

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2022

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from ____ to ____

Commission file number: 001-39092

SHAPEWAYS HOLDINGS, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of incorporation)

87-2876494
(I.R.S. Employer Identification No.)

30-02 48th Avenue
Long Island City, NY 11101
(Address of principal executive offices) (Zip Code)

(646) 979-9885
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class:	Trading Symbol(s)	Name of each exchange on which registered:
Common Stock, par value \$0.0001 per share	SHPW	New York Stock Exchange
Warrants, each whole warrant exercisable for one share of Common Stock for \$11.50 per share	SHPW WS	New York Stock Exchange

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.0405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b2 of the Exchange Act). Yes No

As of November 9, 2022 the registrant had 49,295,760 shares of common stock outstanding.

SHAPEWAYS HOLDINGS, INC.
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CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q (the “Report”), including, without limitation, the section titled “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”) and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”). All statements, other than statements of present or historical fact included in or incorporated by reference in this Report, regarding the future financial performance of Shapeways Holdings, Inc. (the “Company,” “Shapeways,” “we,” “us” or “our”), as well as the Company’s strategy, future operations, future operating results, financial position, estimated revenues and losses, projected costs, prospects, plans and objectives of management are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as “plan,” “believe,” “expect,” “anticipate,” “intend,” “outlook,” “estimate,” “forecast,” “project,” “continue,” “could,” “may,” “might,” “possible,” “potential,” “predict,” “should,” “would,” “will,” “seek,” “target,” and other similar words and expressions, but the absence of these words does not mean that a statement is not forward-looking.

The forward-looking statements are based on information available as of the date of this Report and on the current expectations, forecasts and assumptions of the management of the Company, involve a number of judgments, risks and uncertainties and are inherently subject to changes in circumstances and their potential effects and speak only as of the date of such statements. There can be no assurance that future developments will be those that have been anticipated. These forward-looking statements involve a number of risks, uncertainties (some of which are beyond the Company’s control) or other assumptions that may cause actual results or performance to be materially different from those expressed, contemplated or implied by these forward-looking statements. These risks and uncertainties include, but are not limited to, those factors described under Part II, Item 1A: “Risk Factors.” Should one or more of these risks or uncertainties materialize, or should any of our assumptions prove incorrect, actual results may vary in material respects from those projected in these forward-looking statements. The Company undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable securities laws. These risks and others described under Part II, Item 1A: “Risk Factors” may not be exhaustive.

By their nature, forward-looking statements involve risks and uncertainties because they relate to events and depend on circumstances that may or may not occur in the future. Forward-looking statements are not guarantees of future performance and the Company’s actual results of operations, financial condition and liquidity, and developments in the industry in the Company operates may differ materially from those made in or suggested by the forward-looking statements contained in this Report. In addition, even if the Company’s results or operations, financial condition and liquidity, and developments in the industry in which it operates are consistent with the forward-looking statements contained in this Report, those results or developments may not be indicative of results or developments in subsequent periods.

PART 1 - FINANCIAL INFORMATION

ITEM 1. Financial Statements

SHAPEWAYS HOLDINGS, INC.
CONDENSED CONSOLIDATED BALANCE SHEETS
(in thousands, except share and per share amounts)

	September 30, 2022	December 31, 2021
	(Unaudited)	
Assets		
Current assets		
Cash and cash equivalents	\$ 46,941	\$ 79,677
Restricted cash	136	142
Accounts receivable	1,941	1,372
Inventory	1,242	927
Prepaid expenses and other current assets	5,416	4,360
Total current assets	55,676	86,478
Property and equipment, net	14,649	4,388
Right-of-use assets, net	2,475	842
Goodwill	6,411	1,835
Intangible assets, net	5,470	—
Security deposits	267	175
Total assets	\$ 84,948	\$ 93,718
Liabilities and Stockholders' Equity		
Current liabilities		
Accounts payable	\$ 1,761	\$ 1,909
Accrued expenses and other liabilities	5,681	2,645
Operating lease liabilities, current	777	639
Deferred revenue	1,036	921
Total current liabilities	9,255	6,114
Operating lease liabilities, net of current portion	1,777	326
Warrant liabilities	46	2,274
Total liabilities	11,078	8,714
Commitments and contingencies		
Stockholders' equity		
Preferred stock (\$0.0001 par value; 10,000,000 shares authorized; none issued or outstanding as of September 30, 2022 and December 31, 2021, respectively)	—	—
Common stock (\$0.0001 par value; 120,000,000 shares authorized; 49,294,285 and 48,627,739 shares issued and outstanding as of September 30, 2022 and December 31, 2021, respectively)	5	5
Additional paid-in capital	200,657	198,179
Accumulated deficit	(126,072)	(112,811)
Accumulated other comprehensive loss	(720)	(369)
Total stockholders' equity	73,870	85,004
Total liabilities and stockholders' equity	\$ 84,948	\$ 93,718

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.

SHAPEWAYS HOLDINGS, INC.
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS
(UNAUDITED)

(in thousands, except share and per share amounts)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Revenue, net	\$ 8,449	\$ 7,716	\$ 24,452	\$ 25,354
Cost of revenue	4,758	4,055	13,710	13,271
Gross profit	3,691	3,661	10,742	12,083
Operating expenses				
Selling, general and administrative	7,605	4,399	20,516	10,613
Research and development	2,572	1,673	6,992	4,099
Total operating expenses	10,177	6,072	27,508	14,712
Loss from operations	(6,486)	(2,411)	(16,766)	(2,629)
Other income (expense)				
Long-term debt forgiveness	—	—	—	2,000
Change in fair value of earnout liability	1,784	—	1,784	—
Change in fair value of warrant liabilities	31	5,088	1,558	5,088
Interest expense	(7)	(126)	(7)	(407)
Interest income	21	1	23	1
Other income	110	—	149	1
Total other income (expense), net	1,939	4,963	3,507	6,683
(Loss) income before income tax expense (benefit)	(4,547)	2,552	(13,259)	4,054
Income tax expense (benefit)	3	—	2	(71)
Net (loss) income	(4,550)	2,552	(13,261)	4,125
Deemed dividend - Earnout Shares	—	(18,132)	—	(18,132)
Net loss attributable to common stockholders	\$ (4,550)	\$ (15,580)	\$ (13,261)	\$ (14,007)
Net (loss) income per share:				
Basic	\$ (0.09)	\$ 0.07	\$ (0.25)	\$ 0.11
Diluted	\$ (0.09)	\$ 0.07	\$ (0.25)	\$ 0.11
Net loss per share attributable to common stockholders				
Basic	\$ (0.09)	\$ (0.41)	\$ (0.25)	\$ (0.38)
Diluted	\$ (0.09)	\$ (0.41)	\$ (0.25)	\$ (0.38)
Weighted average common shares outstanding: ⁽¹⁾				
Basic	53,185,561	37,932,345	52,985,344	37,351,244
Diluted	53,185,561	37,932,345	52,985,344	37,351,244
Other comprehensive loss				
Foreign currency translation adjustment	(125)	(22)	(351)	(39)
Comprehensive loss	\$ (4,675)	\$ (15,602)	\$ (13,612)	\$ (14,046)

(1) Retroactively restated the common shares for 2021 due to the reverse recapitalization as described in Notes 1 and 11.

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.

SHAPEWAYS HOLDINGS, INC.
CONDENSED CONSOLIDATED STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY (DEFICIT)
(Unaudited)
(in thousands, except share and per share amounts)

Three and Nine Months Ended September 30, 2022	Preferred Stock		Common Stock		Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Total Stockholders' Equity (Deficit)
	Shares	Amount	Shares	Amount				
Balance at January 1, 2022	—	\$ —	48,627,739	\$ 5	\$ 198,179	\$ (112,811)	\$ (369)	\$ 85,004
Issuance of Legacy Shapeways common stock upon exercise of stock options	—	—	217,967	—	99	—	—	99
Stock-based compensation expense	—	—	—	—	312	—	—	312
Net loss	—	—	—	—	—	(4,037)	—	(4,037)
Transfer of Private Warrants to Public Warrants	—	—	—	—	382	—	—	382
Foreign currency translation	—	—	—	—	—	—	(52)	(52)
Balance at March 31, 2022	—	—	48,845,706	5	198,972	(116,848)	(421)	81,708
Issuance of Legacy Shapeways common stock upon exercise of stock options	—	—	367,732	—	189	—	—	189
Stock-based compensation expense	—	—	—	—	457	—	—	457
Net loss	—	—	—	—	—	(4,674)	—	(4,674)
Transfer of Private Warrants to Public Warrants	—	—	—	—	288	—	—	288
Foreign currency translation	—	—	—	—	—	—	(174)	(174)
Balance at June 30, 2022	—	—	49,213,438	5	199,906	(121,522)	(595)	77,794
Stock issued for stock-based compensation	—	—	80,847	—	1	—	—	1
Stock-based compensation expense	—	—	—	—	750	—	—	750
Net loss	—	—	—	—	—	(4,550)	—	(4,550)
Foreign currency translation	—	—	—	—	—	—	(125)	(125)
Balance at September 30, 2022	—	\$ —	49,294,285	\$ 5	\$ 200,657	\$ (126,072)	\$ (720)	\$ 73,870

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.

SHAPEWAYS HOLDINGS, INC.
CONDENSED CONSOLIDATED STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY (DEFICIT)
(Unaudited)
(in thousands, except share and per share amounts)

Three and Nine Months Ended September 30, 2021	Preferred Stock		Common Stock		Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Total Stockholders' Equity (Deficit)
	Shares	Amount	Shares	Amount				
Balance at January 1, 2021 (as previously reported)	22,579,695	\$ 2	16,211,567	\$ 2	\$ 112,993	\$ (114,567)	\$ (277)	\$ (1,847)
Retroactive application of reverse recapitalization	(22,579,695)	(2)	15,972,696	1	1	—	—	—
Balance at January 1, 2021 (after effect of reverse recapitalization) ⁽¹⁾	—	—	32,184,263	3	112,994	(114,567)	(277)	(1,847)
Issuance of Legacy Shapeways common stock upon exercise of stock options	—	—	35,895	—	16	—	—	16
Stock-based compensation expense	—	—	—	—	174	—	—	174
Net income	—	—	—	—	—	1,708	—	1,708
Foreign currency translation	—	—	—	—	—	—	(9)	(9)
Balance at March 31, 2021	—	—	32,220,158	3	113,184	(112,859)	(286)	42
Issuance of Legacy Shapeways common stock upon exercise of stock options	—	—	63,506	—	55	—	—	55
Issuance of Legacy Shapeways convertible Series B-1 preferred stock resulting from exercise of warrants	—	—	19,177	—	60	—	—	60
Stock-based compensation expense	—	—	—	—	171	—	—	171
Net loss	—	—	—	—	—	(135)	—	(135)
Foreign currency translation	—	—	—	—	—	—	(8)	(8)
Balance at June 30, 2021	—	—	32,302,841	3	113,470	(112,994)	(294)	185
Issuance of Legacy Shapeways common stock upon exercise of stock options	—	—	1,113,029	—	481	—	—	481
Issuance of Legacy Shapeways common stock upon conversion of convertible notes	—	—	1,406,741	—	5,913	—	—	5,913
Issuance of Legacy Shapeways common stock upon exercise of warrants	—	—	212,234	—	—	—	—	—
Issuance of Legacy Shapeways convertible Series D preferred stock upon exercise of warrants	—	—	89,217	—	—	—	—	—

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Repurchase of Legacy Shapeways common stock	—	—	(19,226)	—	(152)	—	—	(152)
Effect of Merger and recapitalization, net of redemptions and issuance costs	—	—	5,691,648	1	10,035	—	—	10,036
Issuance of common stock pursuant to PIPE financing, net of issuance costs	—	—	7,500,000	1	64,936	—	—	64,937
Stock-based compensation expense	—	—	—	—	438	—	—	438
Net income	—	—	—	—	—	2,552	—	2,552
Foreign currency translation	—	—	—	—	—	—	(22)	(22)
Balance at September 30, 2021	<u>—</u>	<u>\$ —</u>	<u>48,296,484</u>	<u>\$ 5</u>	<u>\$ 195,121</u>	<u>\$ (110,442)</u>	<u>\$ (316)</u>	<u>\$ 84,368</u>

(1) Retroactively restated for the reverse recapitalization as described in Notes 1 and 2.

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.

SHAPEWAYS HOLDINGS, INC.
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)
(in thousands, except share and per share amounts)

	Nine Months Ended September 30,	
	2022	2021
Cash flows from operating activities:		
Net (loss) income	\$ (13,261)	\$ 4,125
Adjustments to reconcile net (loss) income to net cash used in operating activities:		
Depreciation and amortization	1,032	424
Stock-based compensation expense	1,519	783
Non-cash lease expense	687	696
Non-cash debt forgiveness	—	(2,000)
Change in fair value of earnout liability	(1,784)	—
Change in fair value of warrant liabilities	(1,558)	(5,088)
Change in operating assets and liabilities:		
Accounts receivable	710	(924)
Inventory	(152)	173
Prepaid expenses and other assets	(1,335)	83
Accounts payable	(396)	(512)
Accrued expenses and other liabilities	713	853
Lease liabilities	(732)	(762)
Deferred revenue	(458)	(101)
Net cash used in operating activities	(15,015)	(2,250)
Cash flows from investing activities:		
Purchases of property and equipment	(9,043)	(125)
Cash paid for acquisitions, net of cash acquired	(8,861)	—
Net cash used in investing activities	(17,904)	(125)
Cash flows from financing activities:		
Proceeds from issuance of common stock	289	552
Proceeds received from exercise of preferred stock warrants	—	60
Effect of Merger, net of transaction costs	—	86,792
Repayments of loans payable	—	(3,459)
Net cash provided by financing activities	289	83,945
Net change in cash and cash equivalents and restricted cash	(32,630)	81,570
Effect of change in foreign currency exchange rates on cash and cash equivalents and restricted cash	(112)	(28)
Cash and cash equivalents and restricted cash at beginning of period	79,819	8,709
Cash and cash equivalents and restricted cash at end of period	\$ 47,077	\$ 90,251
Supplemental disclosure of cash and non-cash transactions:		
Cash paid for interest	\$ —	\$ 88
Accrued acquisition of property and equipment	\$ —	\$ 441
Issuance of Legacy Shapeways common stock upon conversion of convertible notes	\$ —	\$ 5,913
Repurchase of Legacy Shapeways common stock	\$ —	\$ (152)

The accompanying notes are an integral part of these unaudited condensed consolidated financial statements.

SHAPEWAYS HOLDINGS, INC.
NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(in thousands, except share and per share amounts)

Note 1. Organization

On September 29, 2021 (the “Closing” or the “Closing Date”), Galileo Acquisition Corp., a Cayman Islands exempted company (“Galileo” and after the Domestication (as defined below) “Shapeways”), a publicly-traded special purpose acquisition company, consummated the transactions described in the Agreement and Plan of Merger and Reorganization (the “Merger Agreement”) dated April 28, 2021, by and among Galileo Founders Holdings, L.P. (the “Sponsor”), Galileo Acquisition Corp., Galileo Acquisition Holdings, Inc., a Delaware corporation and wholly owned subsidiary of Galileo (“Merger Sub”), and Shapeways, Inc., a Delaware corporation (“Legacy Shapeways”), whereby Merger Sub merged with and into Legacy Shapeways, the separate corporate existence of Merger Sub ceasing and Legacy Shapeways being the surviving corporation and a wholly owned subsidiary of Shapeways (the “Merger”).

Further, on the Closing Date, Galileo was domesticated and continued as a Delaware corporation (the “Domestication” and, together with the Merger, the “Business Combination”), changing its name to “Shapeways Holdings, Inc.” (the “Company” and/or “Shapeways”). Simultaneously with the execution of the Business Combination, Galileo entered into subscription agreements pursuant to which certain investors agreed to purchase an aggregate of 7,500,000 shares of common stock for a purchase price of \$10.00 per share and \$75,000,000 in the aggregate (the “PIPE Investment”). At the Closing, the Company consummated the PIPE Investment. Shapeways also operates through its wholly owned subsidiaries, Shapeways BV, which was incorporated in the Netherlands on December 10, 2008 and Linear Mold & Engineering, LLC, also referred to as Linear AMS (“Linear”), which was acquired in May 2022.

Shapeways is a leader in the large and fast-growing digital manufacturing industry combining high quality, flexible on-demand manufacturing powered by purpose-built proprietary software which enables customers to rapidly transform digital designs into physical products, globally. Shapeways makes industrial-grade additive manufacturing accessible by fully digitizing the end-to-end manufacturing process, and by providing a broad range of solutions utilizing 11 additive manufacturing technologies and more than 100 materials and finishes, with the ability to easily scale new innovation. Shapeways has delivered over 23 million parts to over 1 million customers in over 180 countries.

Note 2. Summary of Significant Accounting Policies

Basis of Presentation and Principles of Consolidation

The accompanying condensed consolidated interim financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”) for interim financial information as defined by the Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) and in accordance with the instruction to Form 10-Q and Article 8 of Regulation S-X of the SEC. Certain information or footnote disclosures normally included in financial statements prepared in accordance with U.S. GAAP have been condensed or omitted, pursuant to the rules and regulations of the SEC for interim financial reporting. Accordingly, they do not include all the information and footnotes necessary for a complete presentation of financial position, results of operations, or cash flows. The condensed consolidated financial statements include the accounts of its wholly owned subsidiaries, Legacy Shapeways, Shapeways BV and Linear. All intercompany accounts and transactions have been eliminated in consolidation. In the opinion of management, the accompanying condensed consolidated interim financial statements include all adjustments, consisting of a normal recurring nature, which are necessary for a fair presentation of the financial position, operating results and cash flows for the periods presented. These unaudited condensed consolidated interim financial statements should be read along with the audited financial statements included in the Company’s Annual Report on Form 10-K/A for the fiscal year ended December 31, 2021, as filed with the SEC on April 1, 2022 (the “Annual Report”).

Use of Estimates

The preparation of the Company’s unaudited condensed consolidated financial statements, in conformity with U.S. GAAP, requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the condensed consolidated financial statements and reported amounts of revenues and expenses during the reporting periods. Actual results may differ from those estimates.

SHAPEWAYS HOLDINGS, INC.
NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(in thousands, except share and per share amounts)

Functional Currency

The Euro is the functional currency for Shapeways BV's operations outside the United States. Assets and liabilities of these operations are translated into U.S. Dollars at the exchange rate in effect at the end of each period. Income statement accounts are translated at the average exchange rate prevailing during the period. Translation adjustments arising from the use of differing exchange rates from period to period are included as a component of other comprehensive loss within stockholders' equity (deficit). Gains and losses from foreign currency transactions are included in net loss for the period.

Cash, Cash Equivalents and Restricted Cash

Cash includes cash on hand and demand deposits. The Company maintains its deposits at high quality financial institutions and monitors the credit ratings of those institutions. The Company considers all highly liquid investments with original maturities of three months or less to be cash equivalents. While cash held by financial institutions may at times exceed federally insured limits, the Company believes that no material credit or market risk exposure exists due to the high quality of the institutions. The Company has not experienced any losses on such accounts. Restricted cash represents cash required to be held as collateral for the Company's credit cards and security deposit for its facility in the Netherlands. Accordingly, these balances contain restrictions as to their availability and usage and are classified as restricted cash in the condensed consolidated balance sheets.

The reconciliation of cash, cash equivalents and restricted cash reported within the applicable condensed consolidated balance sheets that sum to the total of the same such amount shown in the condensed consolidated statements of cash flows is as follows:

	September 30, 2022	September 30, 2021
Cash and cash equivalents	\$ 46,941	\$ 90,108
Restricted cash	136	143
	<u>\$ 47,077</u>	<u>\$ 90,251</u>

Accounts Receivable

Accounts receivable are recorded at the invoiced amount and are generally unsecured as they are uncollateralized. The Company provides an allowance for doubtful accounts to reduce receivables to their estimated net realizable value. Judgement is exercised in establishing allowances and estimates are based on the customers' payment history and liquidity. Any amounts that were previously recognized as revenue and subsequently determined to be uncollectible are charged to bad debt expense included in selling, general and administrative expense in the accompanying condensed consolidated statements of operations and comprehensive loss. Given the nature and historical collectability of the Company's accounts receivable, an allowance for doubtful accounts was not deemed necessary at September 30, 2022 and December 31, 2021.

Inventory

Inventory consists of raw materials, work in progress and finished goods at the Company's distribution centers. Raw materials are stated at the lower of cost or net realizable value, determined by the first-in-first-out method. Finished goods and work in progress are valued using a methodology to determine the cost of each 3D printed object using allocations for material, labor, machine time and overhead. The Company periodically reviews its inventory for slow-moving, damaged and discontinued items and provides allowances to reduce such items identified to their recoverable amounts. As of September 30, 2022 and December 31, 2021, the Company determined an allowance was not deemed necessary.

Property and Equipment, Net

Property and equipment are stated at cost, less accumulated depreciation. Maintenance and repairs are charged to expense when incurred. Additions and improvements that extend the economic useful life of the asset are capitalized and depreciated over the remaining useful lives of the assets. The cost and accumulated depreciation of assets sold or retired are removed from the respective accounts, and any resulting gain or loss is reflected in current earnings. No impairment

SHAPEWAYS HOLDINGS, INC.
NOTES TO THE UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(in thousands, except share and per share amounts)

charges were recorded for the three and nine months ended September 30, 2022 and 2021. Costs for capital assets not yet placed into service are capitalized and depreciated once placed into service. Depreciation is recognized using the straight-line method in amounts considered to be sufficient to allocate the cost of the assets to operations over the estimated useful lives or lease terms, as follows:

Asset Category	Depreciable Life
Machinery and equipment	5 to 10 years
Computers and IT equipment	3 to 10 years
Furniture and fixtures	7 to 10 years
Vehicles	10 years
Leasehold improvements	**

** Leasehold improvements are amortized using the straight-line method over the shorter of the lease term or estimated useful life of the asset.

Long-Lived Assets, Including Definite-Lived Intangible Assets

Intangible assets, which consist of technology, customer relationships, trademarks, favorable and unfavorable operating leases, and non-compete agreements are stated at cost less accumulated amortization. Amortization is generally recorded on a straight-line basis over estimated useful lives ranging from two to ten years. The Company periodically reviews the estimated useful lives of intangible assets and adjusts when events indicate that a shorter life is appropriate. In accordance with authoritative accounting guidance, capitalization of costs to develop software begins when preliminary development efforts are successful and completed. Costs related to the design or maintenance of internal-use software are expensed as incurred.

Long-lived assets, other than goodwill and other indefinite-lived intangibles, are evaluated for impairment whenever events or changes in circumstances indicate that the carrying amount of the assets may not be recoverable through the estimated undiscounted future cash flows derived from such assets.

Factors that the Company considers in deciding when to perform an impairment review include significant changes in the Company's forecasted projections for the asset or asset group for reasons including, but not limited to, significant underperformance of a product in relation to expectations, significant changes, or planned changes in the Company's use of the assets, significant negative industry or economic trends, and new or competing products that enter the marketplace. The impairment test is based on a comparison of the undiscounted cash flows expected to be generated from the use of the asset group. If impairment is indicated, the asset is written down by the amount by which the carrying value of the asset exceeds the related fair value of the asset with the related impairment charge recognized within the statements of operations and comprehensive loss. No impairment charges were recorded for the three and nine months ended September 30, 2022 and 2021.

Goodwill

Goodwill, which represents the excess of purchase prices over the fair value of net assets acquired, is carried at cost. Goodwill is not amortized; rather, it is subject to a periodic assessment for impairment by applying a fair value-based test. Goodwill is evaluated for impairment on an annual basis at a level of reporting referred to as the reporting unit, and more frequently if adverse events or changes in circumstances indicate that the asset may be impaired.

Under ASC 350, *Intangibles - Goodwill and Other*, the Company has the option to first assess the qualitative factors to determine whether it is more likely than not that the fair value of the reporting unit is less than its carrying amount as a basis for determining whether it is necessary to perform a quantitative goodwill impairment test. If the Company determines that it is more likely than not that the fair value of a reporting unit is less than its carrying amount, then the goodwill impairment test is performed. Impairment tests are performed on a quarterly basis. Management uses the future discounted cash flows valuation approach to determine the fair value of reporting units and determines whether the fair value of reporting units exceeded its carrying amounts. If the fair value exceeds the carrying amount, then no impairment is

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recognized. If the carrying amount recorded exceeds the fair value calculated, then an impairment charge is recognized for the difference. The impairment review requires management to make judgments in determining various assumptions with respect to revenues, operating margins, growth rates and discount rates. The judgments made in determining the projected cash flows used to estimate the fair value can materially impact the Company's financial condition and results of operations.

Fair Value Measurements

The Company applies ASC 820, *Fair Value Measurement* ("ASC 820"), which establishes a framework for measuring fair value and clarifies the definition of fair value within that framework. ASC 820 defines fair value as an exit price, which is the price that would be received for an asset or paid to transfer a liability in the Company's principal or most advantageous market in an orderly transaction between market participants on the measurement date. The fair value hierarchy established in ASC 820 generally requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. Observable inputs reflect the assumptions that market participants would use in pricing the asset or liability and are developed based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the entity's own assumptions based on market data and the entity's judgments about the assumptions that market participants would use in pricing the asset or liability and are to be developed based on the best information available in the circumstances.

The valuation hierarchy is composed of three levels. The classification within the valuation hierarchy is based on the lowest level of input that is significant to the fair value measurement. The levels within the valuation hierarchy are described below:

Level 1 - Assets and liabilities with unadjusted, quoted prices listed on active market exchanges. Inputs to the fair value measurement are observable inputs, such as quoted prices in active markets for identical assets or liabilities.

Level 2 - Inputs to the fair value measurement are determined using prices for recently traded assets and liabilities with similar underlying terms, as well as direct or indirect observable inputs, such as interest rates and yield curves that are observable at commonly quoted intervals.

Level 3 - Inputs to the fair value measurement are unobservable inputs, such as estimates, assumptions, and valuation techniques when little or no market data exists for the assets or liabilities.

Business Acquisitions

The purchase price of an acquisition is allocated to the assets acquired, including intangible assets, and liabilities assumed, based on their respective fair values at the acquisition date. Acquisition-related costs are expensed as incurred. The excess of the cost of an acquired entity, net of the amounts assigned to the assets acquired and liabilities assumed, is recognized as goodwill. The net assets and results of operations of an acquired entity are included on the Company's condensed consolidated financial statements from the acquisition date (see Note 3).

Revenue Recognition

Revenue is derived from two primary sources: (a) products and services and (b) software.

The Company recognizes revenue following the five-step model prescribed under ASC 606, *Revenue from Contracts with Customers* ("ASC 606"): (i) identify contract(s) with a customer; (ii) identify the performance obligation(s) in the contract; (iii) determine the transaction price; (iv) allocate the transaction price to the performance obligation(s) in the contract; and (v) recognize revenue when (or as) the Company satisfies a performance obligation. The Company only applies the five-step model to contracts when it is probable that the Company will collect the consideration it is entitled to in exchange for the products or services it transfers to the customer. These contracts have different terms based on the scope, performance obligations, and complexity of the project, which often requires the Company to make judgments and estimates in recognizing revenues.

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Performance obligations are satisfied both at a point of time and over time. All revenue is recognized based on the satisfaction of the performance obligation to date (see Note 4).

Leases

The Company's lease arrangements relate primarily to office and manufacturing space and equipment. The Company's leases generally have initial terms ranging from 4 to 10 years and may include renewal options and rent escalation clauses. The Company is typically required to make fixed minimum rent payments relating to its right to use an underlying leased asset. Additionally, the Company's leases do not contain significantly restrictive covenants or residual value guarantees.

The Company determines if an arrangement is a lease at inception and classifies its leases at commencement. Operating leases are presented as right-of-use ("ROU") assets and the corresponding lease liabilities are included in operating lease liabilities, current and operating lease liabilities on the Company's condensed consolidated balance sheets. The Company does not currently maintain any finance lease arrangements. ROU assets represent the Company's right to use an underlying asset and lease liabilities represent the Company's obligation for lease payments in exchange for the ability to use the asset for the duration of the lease term. The Company does not recognize short term leases that have a term of twelve months or less as ROU assets or lease liabilities. The Company's short-term leases are not material and do not have a material impact on its ROU assets or lease liabilities.

ROU assets and lease liabilities are recognized at commencement date and determined using the present value of the future minimum lease payments over the lease term. The Company uses an incremental borrowing rate based on estimated rate of interest for collateralized borrowing since the Company's leases do not include an implicit interest rate. The estimated incremental borrowing rate considers market data, actual lease economic environment, and actual lease term at commencement date. The lease term may include options to extend when it is reasonably certain that the Company will exercise that option. ROU assets include lease payments made in advance, and excludes any incentives received or initial direct costs incurred. The Company recognizes lease expense on a straight-line basis over the lease term.

The Company has lease agreements which contain both lease and non-lease components, which it has elected to account for as a single lease component. As such, minimum lease payments include fixed payments for non-lease components within a lease agreement, but exclude variable lease payments not dependent on an index or rate, such as common area maintenance, operating expenses, utilities, or other costs that are subject to fluctuation from period to period.

Stock-based Compensation

The Company recognizes stock-based compensation expense for all stock options, restricted stock units and other arrangements within the scope of ASC 718, *Stock Compensation ("ASC 718")*. Stock-based compensation expense is measured at the date of grant, based on the fair value of the award, and is recognized using the straight-line method over the employee's requisite service period. Compensation for stock-based awards with vesting conditions other than service are recognized based on the probability of the performance condition being met over the vesting period. Forfeitures are recognized as they are incurred.

Public and Private Common Stock Warrant Liabilities

As part of Galileo's initial public offering, Galileo issued to third party investors 13,800,000 units, consisting of one ordinary share of Galileo and one warrant, at a price of \$10.00 per unit. Each whole warrant entitles the holder to purchase one share of common stock at an exercise price of \$1.50 per share (the "Public Warrants"). Simultaneously with the closing of Galileo's initial public offering, Galileo completed the private sale of 4,110,000 warrants to Galileo's sponsor and EarlyBirdCapital, Inc. at a purchase price of \$1.00 per warrant (the "Private Warrants"). In connection with the Business Combination, Galileo's sponsor exercised its right to convert the aggregate outstanding principal amount of the convertible promissory note issued by Galileo into an aggregate of 500,000 warrants (the "Sponsor Warrants"), with terms equivalent to the Private Warrants.

The Private Warrants are identical to the Public Warrants, except that the Private Warrants (i) will not be redeemable by the Company and (ii) may be exercised for cash or on a cashless basis, so long as they are held by the initial purchaser or

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any of its permitted transferees. If the Private Warrants are held by holders other than the initial purchasers or any of their permitted transferees, the Private Warrants will be redeemable by the Company and exercisable by the holders on the same basis as the Public Warrants.

The Company evaluated the Public and Private Warrants under ASC 815-40, *Derivatives and Hedging—Contracts in Entity's Own Equity* ("ASC 815-40"), and concluded that the Private Warrants do not meet the criteria to be classified in stockholders' equity. Since the Private Warrants meet the definition of a derivative under ASC 815, the Company recorded these warrants as liabilities on the condensed consolidated balance sheets at fair value, with subsequent changes in their respective fair values recognized in the condensed consolidated statement of operations and comprehensive loss at each reporting date.

Research and Development Costs

Research and development expenses consist primarily of allocated personnel costs, fees paid to consultants and outside service providers, and allocations for rent and overhead. Research and development costs are expensed as incurred. Advance payments for goods and services that will be used in future research and development activities are expensed when the activity has been performed or when the goods have been received. For the three months ended September 30, 2022 and 2021, research and development costs were \$2,572 and \$1,673, respectively. For the nine months ended September 30, 2022 and 2021, research and development costs were \$,992 and \$4,099, respectively.

Advertising Costs

Advertising costs are expensed as incurred. For the three months ended September 30, 2022 and 2021, advertising costs were \$71 and \$568, respectively. For the nine months ended September 30, 2022 and 2021, advertising costs were \$1,425 and \$1,008, respectively. Advertising costs are included in selling, general and administrative expense on the condensed consolidated statements of operations and comprehensive loss.

Income Taxes

The Company files income tax returns in the U.S. federal jurisdiction and various state jurisdictions. Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets and liabilities are measured using enacted tax rates in effect for the year in which those temporary differences are expected to be recovered or settled. Where applicable, the Company records a valuation allowance to reduce any deferred tax assets that it determines will not be realizable in the future.

The Company recognizes the benefit of an uncertain tax position that it has taken or expects to take on income tax returns it files if such tax position is more likely than not to be sustained on examination by the taxing authorities, based on the technical merits of the position. These tax benefits are measured based on the largest benefit that has a greater than 50% likelihood of being realized upon ultimate resolution. Although the Company believes that it has adequately reserved for uncertain tax positions (including interest and penalties), it can provide no assurance that the final tax outcome of these matters will not be materially different. The Company makes adjustments to these reserves in accordance with the income tax accounting guidance when facts and circumstances change, such as the closing of a tax audit or the refinement of an estimate. To the extent that the final tax outcome of these matters is different than the amounts recorded, such differences will affect the provision for income taxes in the period in which such determination is made, and could have a material impact on the Company's financial condition and operating results. Carryforward attributes that were generated in tax years prior to those that remain open for examination may still be adjusted by relevant tax authorities upon examination if they either have been, or will be, used in a future period.

In applying the estimated annual effective tax rate approach prescribed under ASC 740, *Income Taxes*, and based on present evidence and conclusions around the realizability of deferred tax assets, the Company determined that any deferred tax benefits related to the forecasted tax rate and pretax activity during the three and nine months ended September 30, 2022 and 2021 are neither more likely than not to be realized in the current year, nor realizable as a deferred tax asset at the end of the year. Therefore, the appropriate amount of income tax benefit to recognize related to deferred tax assets during

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the three and nine months ended September 30, 2022 and 2021 is zero. The Company's effective tax rate of zero for each of the three months ended September 30, 2022 and 2021 and zero and (1.78)% for the nine months ended September 30, 2022 and 2021, respectively, differs from the applicable statutory tax rate primarily due to the fact that the Company maintains a full valuation allowance against its U.S. deferred tax assets as a result of its historical and current period losses.

(Loss) Income per Share

In accordance with the provisions of ASC 260, *Earnings Per Share*, net (loss) income per common share is computed by dividing net (loss) income by the weighted-average shares of common stock outstanding during the period. Basic (loss) income per share is computed by dividing net (loss) income attributable to common stockholders by the weighted average number of shares outstanding during the period. Diluted net (loss) income per share gives effect to all dilutive potential common shares outstanding during the period including stock options and warrants, using the treasury stock method, and convertible debt and convertible securities, using the if-converted method. During a loss period, the effect of the potential exercise of stock options and convertible debt are not considered in the diluted net (loss) income per share calculation since the effect would be anti-dilutive. A reconciliation of net (loss) income and net loss attributable to common stockholders and number of shares used in computing basic and diluted net (loss) income and net loss attributable to common stockholders per share is as follows:

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Basic and Diluted net (loss) income per share computation:				
Numerator for basic and diluted net loss per share:				
Net (loss) income	\$ (4,550)	\$ 2,552	\$ (13,261)	\$ 4,125
Net loss attributable to common stockholders	\$ (4,550)	\$ (15,580)	\$ (13,261)	\$ (14,007)
Denominator for basic and diluted net loss per share:				
Weighted average common shares - basic and diluted	53,185,561	37,932,345	52,985,344	37,351,244
Basic and diluted net (loss) income per share	\$ (0.09)	\$ 0.07	\$ (0.25)	\$ 0.11
Basic and diluted net loss per share attributable to common stockholders	\$ (0.09)	\$ (0.41)	\$ (0.25)	\$ (0.38)

The following table presents the outstanding shares of common stock equivalents that were excluded from the computation of the diluted net (loss) income per share attributable to common stock for the periods in which a net (loss) income is presented because their effect would have been anti-dilutive:

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Common stock warrants	18,410,000	18,410,000	18,410,000	18,410,000
Earnout Shares	3,510,405	3,510,405	3,510,405	3,510,405
Unvested RSUs	5,247,056	—	5,247,056	—

Included in net (loss) income per share are 3,951,205 and 4,833,059 shares subject to options due to their nominal exercise prices as of September 30, 2022 and 2021, respectively.

Segment Information

The Company operates and reports in one segment, which focuses on providing additive manufacturing services to customers. The Company's operating segment is reported in a manner consistent with the internal reporting provided to the chief operating decision maker ("CODM"). The Company's CODM has been identified as its Chief Executive Officer. The Company is continually evaluating its operating and reporting segments as it integrates the acquisitions discussed in Note 3. Business Acquisitions.

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Recent Accounting Pronouncements*Accounting Pronouncements Recently Adopted*

From time to time, new accounting pronouncements are issued by the FASB or other standard setting bodies that are adopted by the Company as of the specified effective date. The Company has evaluated recently issued accounting pronouncements and does not believe any will have a material impact on the Company's condensed consolidated financial statements or related financial statement disclosures.

In October 2021, the FASB issued Accounting Standards Update ("ASU") 2021-08, *Business Combinations (Topic 805): Accounting for Contract Assets and Contract Liabilities from Contracts with Customers*. This update requires that an acquirer recognize and measure contract assets and contract liabilities acquired in a business combination in accordance with Topic 606, *Revenue from Contracts with Customers*. This standard is effective for fiscal years and interim periods with those fiscal years beginning after December 15, 2022, and should be applied prospectively to business combinations occurring on or after the effective date of the standard. Early adoption is permitted, including adoption in an interim period. The Company early adopted this guidance on April 22, 2022, and has applied the guidance to business combinations entered into during fiscal 2022.

Accounting Pronouncements Not Yet Adopted

In June 2016, the FASB issued ASU 2016-13, *Accounting for Credit Losses (Topic 326)*, which requires the use of an "expected loss" model on certain types of financial instruments. The standard also amends the impairment model for available-for-sale debt securities and requires estimated credit losses to be recorded as allowances instead of reductions to amortized cost of the securities. ASU 2016-13 is effective for annual periods beginning after December 15, 2022, including interim periods within those annual periods. Early adoption is permitted, including adoption in an interim period. The Company is currently evaluating the impact the standard will have on its condensed consolidated financial statements.

In March 2022, the FASB issued ASU 2022-02, *Financial Instruments—Credit Losses (Topic 326)—Troubled Debt Restructurings ("TDRs") and Vintage Disclosures*. The amendments in this update eliminate the accounting guidance for TDRs by creditors while enhancing disclosure requirements for certain loan refinancings and restructurings by creditors when a borrower is experiencing financial difficulty. ASU 2022-02 is effective for annual periods beginning after December 15, 2022, including interim periods within those annual periods. Early adoption is permitted, including adoption in an interim period. The Company is currently evaluating the impact the update will have on its condensed consolidated financial statements.

Note 3. Business Acquisitions

During April and May 2022, the Company completed three insignificant strategic acquisitions of MP2020, Inc., also referred to as MFG.com ("MFG"), Linear, and MakerOS, Inc. ("MakerOS"), collectively the "2022 acquisitions."

The following table summarizes the total consideration for the 2022 acquisitions:

	Consideration
Cash consideration	\$ 8,890
Holdback consideration	1,100
Earnout consideration	2,900
Total consideration	\$ 12,890

The holdback consideration represents the portion of the purchase price to be paid within 12 months from the respective closing dates, subject to reduction for certain indemnifications and other potential obligations of the acquired businesses. The fair value of the earnout consideration liability for the Linear acquisition was determined using a Monte Carlo simulation based on revenue performance for the 12 months ending December 31, 2022. The estimated fair value at acquisition was \$2,900 and is included in accrued expenses and other liabilities within the unaudited condensed consolidated balance sheet. As of September 30, 2022 the estimated fair value of the earnout consideration was \$1,116. If

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achieved, the earnout will be payable in cash and equity in April 2023. There is no earnout consideration for the MFG or MakerOS acquisitions.

The Company has accounted for the MFG and Linear acquisitions as a business combination in accordance with ASC Topic 805 *Business Combinations* ("ASC 805"), and the acquisition of Maker OS as an asset purchase. The net assets acquired in the acquisitions was \$12,890 which includes \$5,781 of net intangible assets and \$4,576 of goodwill. The Company has allocated the purchase price based on preliminary estimates of fair value for the assets acquired and liabilities assumed using information currently available. Adjustments, if any, to the preliminary allocation are not expected to be material.

The Company has determined that the impact of these acquisitions was not material to its condensed consolidated financial statements; therefore, separate presentation of revenue and earnings since the acquisition date and pro forma information are not required nor included herein.

Note 4. Revenue Recognition

Under ASC 606, revenue is recognized throughout the life of the executed agreement. The Company measures revenue based on consideration specified in a contract with a customer. Furthermore, the Company recognizes revenue when a performance obligation is satisfied by transferring control of the product or service to the customer which could occur over time or at a point in time.

A performance obligation is a promise in a contract to transfer a distinct service to the customer. The transaction price of a contract is allocated to each distinct performance obligation and recognized as revenue when or as the customer receives the benefit of the performance obligation. Customers typically receive the benefit of the Company's services as (or when) they are performed. Substantially all customer contracts provide that compensation is received for services performed to date. Taxes assessed by a governmental authority that are both imposed on and concurrent with a specific revenue-producing transaction, that are collected by the Company from a customer, are excluded from revenue.

Nature of Products and Services

The following is a description of the Company's products and services from which the Company generates revenue, as well as the nature, timing of satisfaction of performance obligations, and significant payment terms for each:

Direct sales

The Company provides customers with an additive manufacturing service, allowing for the customer to select the specifications of the model which they wish to have printed. Shapeways prints the 3D model and ships the product directly to the customer.

The Company recognizes the sale of shop owner products through their e-commerce website over time using the output method. Contracts involving the sale of shop owner products through their e-commerce website do not include other performance obligations. As such, allocation of the transaction price was not necessary as the entire contract price is attributed to the sole performance obligation identified.

Marketplace sales

The Company provides a platform for shop owners to sell their products to customers through Shapeways' marketplace website. Shapeways receives a 3.5% markup fee from the shop owner upon the sale of any products through the marketplace.

The Company handles the financial transaction, manufacturing, distribution and customer service on behalf of the shop owners. The Company is responsible for billing the customer in this arrangement and transmitting the applicable fees to the shop owner. The Company assessed whether it is responsible for providing the actual product or service as a principal, or for arranging for the product or service to be provided by the third party as an agent. Judgment is applied to determine

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whether the Company is the principal or the agent by evaluating whether it has control of the product or service prior to it being transferred to the customer. The principal versus agent assessment is performed at the performance obligation level. Indicators that the Company has considered include whether it has the primary responsibility for fulfilling the promise to provide the specified product or service to the customer and whether it has inventory risk prior to transferring the product or service to the customer. The Company has the responsibility to fulfill the promise to provide the specific good or service on behalf of the shop owners to the customer. In addition, the Company has inventory risk before the specific good or service is transferred to a customer. As such, the Company is deemed the principal and shall recognize revenue on a gross basis for the price it charges to the shop owner for each product or service.

The Company recognizes the sale of 3D printed products to customers at a point in time, specifically upon shipping the goods to the customer (FOB Origin) given the transfer of significant risks and rewards of ownership at that point in time. Contracts involving the manufacturing and delivery of 3D printed products to customers do not include other performance obligations. As such, allocation of the transaction price is not necessary as the entire contract price is attributed to the sole performance obligation identified.

Software revenue

The Company launched the first phase of its software offering under the brand "OTTO" in the fourth quarter of 2021. The software enables other manufacturers to leverage Shapeways' existing end-to-end manufacturing software to scale their businesses and shift to digital manufacturing. Shapeways' software offers improved customer accessibility, increased productivity, and expanded manufacturing capabilities for its customers. The Company expanded its software offering's customer base and feature set with the acquisition of MFG and MakerOS, both completed in April 2022. Software revenue for the three and nine months ended September 30, 2022 reflects the April 2022 acquisition of MFG.

For each of the performance obligations classified as software revenue, the performance obligations are satisfied evenly over the term of the contract. For contracts including performance obligations classified as software revenue, the Company identified that each performance obligation has an explicitly stated standalone selling price. As such, allocation is not necessary as the prices included in the contract are attributed to each separate performance obligation.

The following table presents the Company's revenue disaggregated by revenue discipline:

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Major products/service lines:				
Direct sales	\$ 6,457	\$ 5,985	\$ 18,901	\$ 19,068
Marketplace sales	1,403	1,663	4,383	6,062
Software	589	68	1,168	224
Total revenue	\$ 8,449	\$ 7,716	\$ 24,452	\$ 25,354
Timing of revenue recognition:				
Products transferred at a point in time	\$ 1,403	\$ 1,663	\$ 4,383	\$ 6,062
Products and services transferred over time	7,046	6,053	20,069	19,292
Total revenue	\$ 8,449	\$ 7,716	\$ 24,452	\$ 25,354

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Deferred Revenue

The Company records deferred revenue when cash payments are received in advance of performance. Deferred revenue activity consisted of the following:

	September 30, 2022	December 31, 2021
Balance at beginning of the period	\$ 921	\$ 753
Deferred revenue recognized during period	(24,452)	(33,623)
Additions to deferred revenue during period	24,567	33,791
Total Deferred Revenue	<u>\$ 1,036</u>	<u>\$ 921</u>

The Company expects to satisfy its remaining performance obligations within the next twelve months. The \$921 of deferred revenue as of January 1, 2022 was recognized during the nine months ended September 30, 2022. The opening balance of accounts receivable as of January 1, 2021 was \$185.

Practical Expedients and Exemptions

The Company applies the practical expedient related to incremental costs of obtaining a contract. Although certain of its commission costs qualify for capitalization under ASC 340-40, *Contracts with Customers*, their amortization period is less than one year. Therefore, utilizing the practical expedient, the Company expenses these costs as incurred.

Note 5. Inventory

Components of inventory consisted of the following:

	September 30, 2022	December 31, 2021
Raw materials	\$ 993	\$ 735
Work-in-process	103	28
Finished goods	146	164
Total	<u>\$ 1,242</u>	<u>\$ 927</u>

Note 6. Prepaid Expenses and Other Current Assets

Prepaid expenses and other current assets consisted of the following:

	September 30, 2022	December 31, 2021
Prepaid operating expenses	\$ 3,263	\$ 396
Prepaid insurance	156	2,338
Prepaid expenses	961	680
VAT receivable	1,030	945
Other current assets	6	1
Total	<u>\$ 5,416</u>	<u>\$ 4,360</u>

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Note 7. Property and Equipment, Net

Property and equipment, net consisted of the following:

	September 30, 2022	December 31, 2021
Machinery and equipment	\$ 10,434	\$ 6,996
Computers and IT equipment	1,072	957
Leasehold improvements	2,355	2,482
Furniture and fixtures	94	49
Vehicles	42	—
Assets to be placed in service	10,868	2,442
Property and equipment	24,865	12,926
Less: Accumulated depreciation	(10,216)	(8,538)
Property and equipment, net	<u>\$ 14,649</u>	<u>\$ 4,388</u>

For the three months ended September 30, 2022 and 2021, depreciation expense totaled \$285 and \$146, respectively. For the nine months ended September 30, 2022 and 2021, depreciation expense totaled \$721 and \$424, respectively. Of these amounts, depreciation charged to cost of revenue was \$249 and \$113 for the three months ended September 30, 2022 and 2021, respectively, and \$616 and \$250 for the nine months ended September 30, 2022 and 2021, respectively.

Note 8. Goodwill and Intangible Assets

Changes in the carrying amount of goodwill as of September 30, 2022 and December 31, 2021 are as follows:

	Goodwill
Balance at December 31, 2021	\$ 1,835
Acquired goodwill	4,576
Balance at September 30, 2022	<u>\$ 6,411</u>

The Company has no accumulated impairment losses on goodwill during the three and nine months ended September 30, 2022 and 2021.

Intangible assets consisted of the following as of September 30, 2022:

	Gross carrying amount	Accumulated amortization	Intangible assets, net	Weighted average amortization period (in years)
Customer relationships	\$ 2,964	\$ (124)	\$ 2,840	10
Trade name	887	(37)	850	10
Acquired software platform	910	(38)	872	10
Customer lists	190	(26)	164	3
Trademark	100	(4)	96	10
Noncompete agreement	52	(11)	41	2
Favorable operating lease	699	(73)	626	4
Unfavorable operating lease	(21)	2	(19)	4
Total intangible assets, net	<u>\$ 5,781</u>	<u>\$ (311)</u>	<u>\$ 5,470</u>	

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The Company recognized \$188 and \$311 of amortization expense during the three and nine months ended September 30, 2022, respectively. There was no amortization expense recorded during the three and nine months ended September 30, 2021. The Company estimates the future aggregate amortization expense related to its intangible assets as of September 30, 2022 will be as follows:

	Amortization expense
Remainder of 2022	\$ 186
2023	745
2024	727
2025	677
2026	543
Thereafter	2,592
Total	\$ 5,470

Note 9. Accrued Expenses and Other Liabilities

Accrued expenses and other liabilities consisted of the following:

	September 30, 2022	December 31, 2021
Earnout consideration	\$ 1,116	\$ —
Accrued compensation	1,458	814
Holdback consideration	1,100	—
Accrued selling expenses	358	522
Taxes payable	344	328
Other	1,305	981
Total	\$ 5,681	\$ 2,645

Note 10. Commitments and Contingencies

Leases

During the three and nine months ended September 30, 2022, the Company maintained five leases of facilities located in the United States and the Netherlands, as well as one lease of office equipment, under operating leases.

For the three months ended September 30, 2022 and 2021, operating lease expense was \$02 and \$144, respectively. For the nine months ended September 30, 2022 and 2021, operating lease expense was \$687 and \$696, respectively.

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Right-of-use assets and lease liabilities for operating leases were recorded in the condensed consolidated balance sheets as follows:

	September 30, 2022	December 31, 2021
Assets:		
Right-of-use assets, net	\$ 2,475	\$ 842
Total lease assets	<u>\$ 2,475</u>	<u>\$ 842</u>
Liabilities:		
Current liabilities:		
Operating lease liabilities, current	\$ 777	\$ 639
Non-current liabilities:		
Operating lease liabilities, net of current portion	1,777	326
Total lease liability	<u>\$ 2,554</u>	<u>\$ 965</u>

The Company's lease agreements do not state an implicit borrowing rate; therefore, an internal incremental borrowing rate was determined based on information available at the lease commencement date for the purposes of determining the present value of lease payments. The incremental borrowing rate reflects the cost to borrow on a securitized basis in each market. The weighted-average remaining lease term for operating leases was 3.18 years and the weighted-average incremental borrowing rate was 6.98% as of September 30, 2022.

Supplemental cash flow information related to the Company's leases was as follows:

	Nine Months Ended September 30,	
	2022	2021
Operating cash flows from operating leases	\$ 732	\$ 762

As of September 30, 2022, future minimum lease payments required under operating leases are as follows:

Rest of 2022	\$ 313
2023	813
2024	788
2025	728
2026	237
Total minimum lease payments	2,879
Less effects of discounting	(325)
Present value of future minimum lease payments	<u>\$ 2,554</u>

Desktop Metal

On March 26, 2021, the Company entered into a non-binding Memorandum of Understanding ("MOU") with Desktop Metal, pursuant to which Desktop Metal agreed to invest \$20.0 million in the PIPE Investment. Upon consummation of this investment, the Company became obligated to purchase \$20.0 million of equipment, materials and services from Desktop Metal. In conjunction with these obligations, the Company and Desktop Metal agreed to develop a strategic partnership. As of September 30, 2022, the Company paid \$16.3 million to Desktop Metal for equipment, materials and services received and placed purchase orders for another \$ 7 million of equipment, materials and services to be purchased under the MOU. The timing of payments for these purchase orders may depend on a number of factors, including Desktop Metal's inventory management and logistics systems and the Company's ability to take delivery of any such equipment, materials and services. The Company has no further obligations under the MOU.

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Legal Proceedings

The Company is involved in various legal proceedings which arise from time to time in the normal course of business. While the results of such matters generally cannot be predicted with certainty, management does not expect any such matters to have a material adverse effect on the Company's condensed consolidated financial position or results of operations as of September 30, 2022 and December 31, 2021 and for the three and nine months ended September 30, 2022 and 2021.

Note 11. Stockholders' Equity (Deficit)

The condensed consolidated statements of changes in stockholders' equity (deficit) reflects the Business Combination as defined in Note 1 as of September 29, 2021. As Legacy Shapeways was deemed the accounting acquirer in the Business Combination with Galileo, all periods prior to the Closing date reflect the balances and activity of Legacy Shapeways. The balances as of January 1, 2021 from the consolidated financial statements of Legacy Shapeways as of that date, share activity (convertible preferred stock, common stock, additional paid in capital, accumulated deficit, and accumulated other comprehensive loss) and per share amounts were retroactively adjusted, where applicable, using the recapitalization conversion ratio of 0.8293 (the "Conversion Ratio") established in the Merger.

Common Stock

Upon closing of the Business Combination, pursuant to the terms of the Certificate of Incorporation, the Company authorized 120,000,000 shares of Common Stock with a par value \$0.0001. The holders of Common Stock are entitled to one vote per share on all matters submitted to the stockholders for their vote or approval and are entitled to receive dividends, as and if declared by the Board of Directors out of legally available funds.

The Company has issued and outstanding 49,294,285 and 48,627,739 shares of Common Stock as of September 30, 2022 and December 31, 2021, respectively.

Legacy Shapeways Common Stock Warrants

On December 18, 2013, in connection with executing a loan agreement, the Company issued warrants to purchase 40,000 shares of Legacy Shapeways common stock. The warrants had an exercise price of \$1.25 per share and had an expiration date of December 18, 2023.

On February 3, 2014, in connection with executing a lease agreement, the Company issued warrants to purchase 248,000 shares of Legacy Shapeways common stock. The warrants had an exercise price of \$1.25 per share and expired upon the latest to occur (i) seven years from the original issuance date or (ii) five years from the effective date of an initial public offering.

On April 22, 2015, in connection to an amended loan agreement, the Company issued warrants to purchase 3,750 shares of Legacy Shapeways common stock. The warrants had an exercise price of \$1.70 per share and had an expiration date of April 22, 2025.

Immediately prior to the completion of the Business Combination, all outstanding Legacy Shapeways common stock warrants were exercised into an aggregate of 255,917 shares of Legacy Shapeways common stock (212,234 shares of common stock post Business Combination).

Legacy Shapeways Convertible Preferred Stock

Immediately prior to the completion of the Business Combination, all outstanding shares of the Legacy Shapeways Series A-1, Series A-2, Series B, Series B-1, Series C, Series D, and Series E preferred stock converted into an aggregate of 22,579,695 shares of common stock. Each share of Legacy Shapeways convertible preferred stock was converted into one share of Legacy Shapeways common stock.

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Legacy Shapeways Preferred Stock Warrants

On March 8, 2013, the Company issued warrants to purchase a total of 23,125 shares of Series B-1 preferred stock of Legacy Shapeways. The warrants had an exercise price of \$2.5946 per share and were exercisable for ten years from the date of grant. On May 10, 2021, the 23,125 warrants were exercised for 23,125 shares of Series B-1 preferred stock of Legacy Shapeways at an exercise price of \$2.5946 per share.

On June 30, 2017, in connection with executing a loan agreement, the Company issued warrants to purchase a total of 57,051 shares of Series D preferred stock of Legacy Shapeways. The warrants had an exercise price of \$5.2584 per share and were exercisable for ten years from the date of grant. Immediately prior to the completion of the Business Combination, the 57,051 warrants were exercised for 107,580 shares of Legacy Shapeways common stock.

Public Warrants

Prior to the Merger, the Company had outstanding 13,800,000 Public Warrants. Each Public Warrant entitles the holder to purchase one share of common stock of the Company at an exercise price of \$11.50 per share. The Public Warrants became exercisable 30 days after the Closing Date, and expire five years after the Closing Date or earlier upon redemption or liquidation.

The Company may redeem the Public Warrants as follows: in whole and not in part; at a price of \$0.01 per warrant; at any time while the Public Warrants are exercisable, upon not less than 30 days' prior written notice of redemption to each Public Warrant holder; if, and only if, the reported last sale price of the Company's common stock equals or exceeds \$18.00 per share, for any 20 trading days within a 30-trading day period ending on the third business day prior to the notice of redemption to the warrant holders; and if, and only if, there is a current registration statement in effect with respect to the common stock underlying such warrants at the time of redemption and for the entire 30-day trading period referred to above and continuing each day thereafter until the date of redemption. Certain of these conditions have not been met to redeem the Public Warrants. If the Company calls the Public Warrants for redemption, management will have the option to require all holders that wish to exercise the Public Warrants to do so on a "cashless basis," as described in the warrant agreement.

As of September 30, 2022 and December 31, 2021, there were 17,637,592 and 15,295,612 Public Warrants outstanding, respectively. The following table provides a summary of the Public Warrants outstanding:

	Public Warrants
Public Warrants prior to merger	13,800,000
Transfers from private to public warrants during 2021	1,495,612
Balance as of December 31, 2021	15,295,612
Transfers from private to public warrants during 2022	2,341,980
Balance as of September 30, 2022	17,637,592

Note 12. Stock-Based Compensation**2010 Stock Plan**

Prior to the Business Combination, Legacy Shapeways maintained its 2010 Stock Plan (the "2010 Plan"), under which Legacy Shapeways granted statutory and non-statutory stock to employees, outside directors and consultants. The maximum number of shares of common stock that was issuable under the 2010 Plan was 16,942,546 shares.

In connection with the Business Combination, each Legacy Shapeways stock option that was outstanding immediately prior to Closing, whether vested or unvested, was converted into an option to acquire a number of shares of common stock (each such option, an "Exchanged Option") equal to the product of (i) the number of shares of Legacy Shapeways common stock subject to such Legacy Shapeways option immediately prior to the Business Combination and (ii) 90% of the

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Conversion Ratio, at an exercise price per share (rounded up to the nearest whole cent) equal to (A) the exercise price per share of such Legacy Shapeways option immediately prior to the consummation of the Business Combination, divided by (B) 90% of the Conversion Ratio. Except as specifically provided in the Business Combination Agreement, following the Business Combination, each Exchanged Option will continue to be governed by the same terms and conditions (including vesting and exercisability terms) as were applicable to the corresponding former Legacy Shapeways option immediately prior to the consummation of the Business Combination. All stock option activity was retroactively restated to reflect the Exchanged Options.

In addition, each holder of an in-the-money Legacy Shapeways option held by individuals remaining in continuous service to the Company through the Closing, was granted a right to receive an award of restricted stock units denominated in shares of common stock granted under the 2021 Plan (each, an "Earnout RSU") equal to the product of (A) the number of shares of Legacy Shapeways common stock that were subject to the option immediately prior to Closing, multiplied by (B) ten percent (10%) of the Conversion Ratio. The Earnout RSUs are subject to substantially the same service-based vesting conditions and acceleration provisions as applied to the Legacy Shapeways option provided that, in addition to such service-based vesting conditions, Earnout RSUs will be subject to vesting and forfeiture conditions based upon the dollar volume-weighted price of the Company's common stock reaching certain targets (the "RSU Performance Milestones"). The Company records stock compensation expense for Earn-Out RSUs based upon an assessment of the grant date fair value using the Monte Carlo valuation model in accordance with FASB ASC 718. The Company did not grant any additional Earn-Out RSUs during the three and nine months ended September 30, 2022.

Upon the Closing of the Business Combination, the outstanding and unexercised Legacy Shapeways options became options to purchase an aggregate of 901,207 shares of the Company's common stock under the 2010 Plan at an average exercise price of \$0.62 per share.

2021 Equity Incentive Plan

Upon the closing of the Business Combination, the Company adopted the 2021 Equity Incentive Plan (the "2021 Plan"). The 2021 Plan permits the granting of incentive stock options, restricted stock awards, other share-based awards or other cash-based awards to employees, consultants, and non-employee directors. As of September 30, 2022, 10,052,787 shares of common stock are authorized for issuance pursuant to awards under the 2021 Plan. Any shares of common stock related to awards that are forfeited, cancelled, terminated, expire or shares withheld by the Company to satisfy tax withholding obligations or to pay any exercise price are deemed available for issuance under the 2021 Plan. As of September 30, 2022, 4,383,701 shares remain available for issuance under the 2021 Plan.

2022 New Employee Equity Incentive Plan

In September 2022, the Company adopted the 2022 New Employee Equity Incentive Plan (the "2022 Plan"). The 2022 Plan permits the granting of restricted stock awards, stock options and other share-based rewards to individuals who were not previously employees of the Company, as an inducement material to the individual's entry into employment with the Company within the meaning of Listing Rule 303A.08 of the New York Stock Exchange ("NYSE"). The 2022 Plan was adopted by the Board of Directors without stockholder approval pursuant to NYSE Listing Rule 303A.08. As of September 30, 2022, 5,000,000 shares of common stock are authorized for issuance pursuant to awards under the 2022 Plan. Any shares of common stock related to awards that are forfeited, cancelled, terminated, expire or shares withheld by the Company to satisfy tax withholding obligations or to pay any exercise price are deemed available for issuance under the 2022 Plan. As of September 30, 2022, 5,000,000 shares remain available for issuance under the 2022 Plan.

Option Awards

The Company accounts for share-based payments pursuant to ASC 718 and, accordingly, the Company records stock compensation expense for share-based awards based upon an assessment of the grant date fair value for stock options using the Black-Scholes option pricing model. The Company is a public company and lacks company-specific historical and implied volatility information. Therefore, it estimates its expected stock volatility based on the historical volatility of a publicly traded set of peer companies. Due to the lack of historical exercise history, the expected term of the Company's stock options for employees has been determined utilizing the "simplified" method for awards. The risk-free interest rate is

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determined by reference to the U.S. Treasury yield curve. Expected dividend yield is zero based on the fact that the Company has never paid cash dividends and does not expect to pay any cash dividends in the foreseeable future.

The fair value of stock options under the Black-Scholes model requires management to make assumptions regarding projected employee stock option exercise behaviors, risk-free interest rates, volatility of the Company's stock price and expected dividends. The Company generally recognizes stock compensation expense on the grant date and over the period of vesting or period that services will be provided. There were no stock options granted during the three and nine months ended September 30, 2022. The assumptions used to estimate the fair value of stock options granted during the periods presented were as follows:

	Three and Nine Months Ended September 30,	
	2021	
Strike price	\$	0.17
Expected term (in years)		5.55 - 6.05
Expected volatility		57.09% - 57.81%
Risk-free interest rate		0.50% - 0.57%
Dividend yield		— %

The following table summarizes the Company's stock option activity during the period presented:

	Shares Underlying Options	Weighted Average Exercise Price	Weighted Average Remaining Contractual Term (in years)
Outstanding as of January 1, 2022	4,806,387	\$ 0.63	6.57
Granted	—	—	—
Forfeited	(20,814)	0.49	—
Exercised	(217,967)	0.49	—
Outstanding at March 31, 2022	4,567,606	0.63	6.35
Granted	—	—	—
Forfeited	(11,431)	0.49	—
Exercised	(367,732)	0.50	—
Outstanding at June 30, 2022	4,188,443	0.64	6.00
Granted	—	—	—
Forfeited	(44,560)	0.44	—
Exercised	(68,817)	0.50	—
Outstanding at September 30, 2022	4,075,066	\$ 0.65	5.81
Exercisable at September 30, 2022	3,951,205	\$ 0.65	5.71

The aggregate intrinsic value in the above table is calculated as the difference between fair value of the Company's common stock price and the exercise price of the stock options. There were no stock options granted during the nine months ended September 30, 2022. The weighted-average grant-date fair value per stock option granted during the nine months ended September 30, 2021 was \$0.17. As of September 30, 2022, approximately \$35 of unrecognized compensation expense related to non-vested awards is expected to be recognized over the weighted average period of 1.21 years.

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Restricted Stock Units

The following table summarizes the Company's restricted stock unit activity during the period presented:

	Restricted Stock Units	Weighted Average Grant Fair Value per Share
Outstanding as of January 1, 2022	660,448	\$ —
Granted	2,608,455	2.86
Forfeited	(798)	1.06
Settled	—	—
Outstanding at March 31, 2022	3,268,105	2.96
Granted	939,441	1.85
Forfeited	(70,351)	2.70
Settled	—	—
Outstanding at June 30, 2022	4,137,195	2.43
Granted	1,497,662	1.19
Forfeited	(375,771)	2.23
Settled	(12,030)	2.86
Outstanding at September 30, 2022	<u>5,247,056</u>	<u>\$ 1.93</u>

The total fair value of restricted stock unit awards vested during the period ended September 30, 2022 was \$,464.

Total unrecognized compensation expense related to outstanding restricted stock unit awards was approximately \$,288 as of September 30, 2022 and is expected to be recognized over the weighted average period of 3.25 years.

2021 Employee Stock Purchase Plan

Upon the closing of the Business Combination, the Company adopted the 2021 Employee Stock Purchase Plan (the "ESPP"). The purpose of the ESPP is to provide eligible employees with an opportunity to increase their proprietary interest in the success of the Company by purchasing common stock from the Company on favorable terms and to pay for such purchases through payroll deductions or other approved contributions. As of September 30, 2022, 1,381,998 shares of common stock are available for purchase under the ESPP. As of September 30, 2022, no shares have been purchased under the ESPP.

Note 13. Fair Value Measurements

Fair value measurements discussed herein are based upon certain market assumptions and pertinent information available to management as of September 30, 2022 and December 31, 2021. The carrying amounts of accounts receivable, inventory, prepaid expenses and other current assets, accounts payable, accrued expenses and other liabilities, and deferred revenue approximated fair value as they are short term in nature. The fair value of warrants issued for settlement and services is estimated based on the Black-Scholes model. The carrying value of the Company's debt and operating lease liabilities approximated its fair value, as the obligation bears interest at rates currently available for debt with similar maturities and collateral requirements.

Fair Value on a Recurring Basis

The Company follows the guidance in ASC 820 for its financial assets and liabilities that are re-measured and reported at fair value at each reporting period, and non-financial assets and liabilities that are re-measured and reported at fair value at least annually. The estimated fair value of the warrant liabilities represents Level 3 measurements. The following table presents information about the Company's liabilities that are measured at fair value on a recurring basis at September 30,

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2022 and December 31, 2021, and indicates the fair value hierarchy of the valuation inputs the Company utilized to determine such fair value:

Description	Level	September 30, 2022	December 31, 2021
Liabilities:			
Warrant liabilities	3	\$ 46	\$ 2,274
Earnout liability	3	\$ 1,116	\$ —

Warrant Liabilities

The Company had outstanding 4,110,000 Private Warrants that were issued upon the consummation of the initial public offering of Galileo. Additionally, at the Closing, a lender holding a convertible note issued by the Company with an aggregate principal amount of \$500 converted the note into 500,000 Sponsor Warrants exercisable for common stock at a purchase price of \$1.00 per warrant.

The Private Warrants and Sponsor Warrants are identical to the Public Warrants except that the Private Warrants and Sponsor Warrants (i) are not redeemable by the Company and (ii) may be exercised for cash or on a cashless basis, so long as they are held by the initial purchaser or any of its permitted transferees. If the Private Warrants or Sponsor Warrants are held by someone other than the initial purchasers or their permitted transferees, the Private Warrants or Sponsor Warrants will be redeemable by the Company and exercisable by such holders on the same basis as the Public Warrants. Upon the transfer of a Private Warrant or Sponsor Warrant to a party other than an initial purchaser or any of its permitted transferees, the Private Warrants or Sponsor Warrants become Public Warrants and the fair market value of the Private Warrants at the date of the transfer is reclassified to equity.

The Private Warrants and Sponsor Warrants are not indexed to the Company's common stock in the manner contemplated by ASC 815-40-15 because the holder of the instrument is not an input into the pricing of a fixed-for-fixed option on equity shares. The Company classifies the Private Warrants and Sponsor Warrants as derivative liabilities in its unaudited condensed consolidated balance sheet as of September 30, 2022.

The Company utilizes a Binomial Lattice model approach to value the Private Warrants and Sponsor Warrants at each reporting period with changes in fair value recognized in the statement of operations. The estimated fair value of the warrant liabilities is determined using Level 3 inputs. Inherent in a binomial options pricing model are assumptions related to expected share-price volatility, expected life, risk-free interest rate and dividend yield. The Company estimates the volatility of its common stock based on historical volatility that matches the expected remaining life of the warrants. The risk-free interest rate is based on the U.S. Treasury zero-coupon yield curve on the grant date for a maturity similar to the expected remaining life of the warrants. The expected life of the warrants is assumed to be equivalent to their remaining contractual term. The dividend rate is based on the historical rate, which the Company anticipates to remain at zero.

The significant unobservable inputs used in the Binomial Lattice Model to measure the warrant liabilities that are categorized within Level 3 of the fair value hierarchy are as follows:

	September 30, 2022	December 31, 2021
Stock price on valuation date	\$ 0.63	\$ 3.71
Exercise price per share	\$ 11.50	\$ 11.50
Expected life	4.00 years	4.75 years
Volatility	82.5 %	56.4 %
Risk-free rate	4.1 %	1.2 %
Dividend yield	— %	— %
Fair value per warrant	\$ 0.06	\$ 0.73

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The following table provides a summary of changes in fair value of the Company's Level 3 financial instruments that are measured at fair value on a recurring basis:

	Warrant Liabilities
Balance at December 31, 2021	\$ 2,274
Transfer of Private Warrants to Public Warrants	(670)
Change in fair value	(1,558)
Balance at September 30, 2022	<u>\$ 46</u>

For the three and nine months ended September 30, 2022, the Company recognized income resulting from a change in the fair value of warrant liabilities of \$1 and \$1,558, respectively. For the three and nine months ended September 30, 2021, the Company recognized income resulting from a change in the fair value of warrant liabilities of \$5,088.

As of September 30, 2022 and December 31, 2021, there were 772,408 and 3,114,388 Private Warrants outstanding, respectively.

Earnout Liability

The following table provides a summary of change in the balance of the earnout liability which is included within the other current liabilities within the balance sheet:

	Earnout Liability
Balance at December 31, 2021	\$ —
Recognition of Linear earnout liability	2,900
Change in fair value	(1,784)
Balance at September 30, 2022	<u>\$ 1,116</u>

For the three and nine months ended September 30, 2022, the Company recognized income resulting from a change in the fair value of the earnout liability of \$,784.

Fair Value on a Non-Recurring Basis

At the Closing, there were 3,510,405 shares of common stock issued as part of the Merger consideration (the "Earnout Shares") subject to vesting and forfeiture conditions (the "Earnout Terms") based upon the volume-weighted average trading price of common stock reaching targets of \$14.00 and \$16.00, respectively (with 50% released at each target) for a period of 30 consecutive trading days during the three-year period after the Closing, with the portion of such shares that would otherwise be deliverable to Legacy Shapeways stockholders at the Closing being withheld and deposited into escrow. The fair value of the Earnout Shares was estimated using the trading price of the common stock at Closing (\$7.70), discounted based on the probability of the Earnout Terms being met as determined at Closing, and thus represents a Level 2 fair value measurement as defined in ASC 820. The Earnout Shares, if achieved, would be issued to Legacy Shapeways stockholders. The Earnout Shares are a fixed number of shares to be issued to such stockholders on a pro rata basis. The fair value of the Earnout Shares was recognized as a deemed dividend. Upon closing of the Merger, the estimated fair value of the Earnout Shares was \$18,132 with such amount recognized as a deemed dividend. As the Company was in an accumulated deficit position as of the measurement date, the resulting deemed dividend was recorded as a reduction of additional paid-in capital with a corresponding offset recorded to additional paid-in capital. As of September 30, 2022, there were 3,510,405 Earnout Shares unvested and remaining subject to the Earnout Terms.

Note 14. Significant Concentrations

One customer accounted for approximately 18% and 22% of revenue for the three months ended September 30, 2022 and 2021, respectively. No other customers represented more than 10% of revenue for the three months ended September 30, 2022 and 2021.

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One customer accounted for approximately 20% and 23% of revenue for the nine months ended September 30, 2022 and 2021, respectively. No other customers represented more than 10% of revenue for the nine months ended September 30, 2022 and 2021.

One vendor accounted for approximately 37% and 15% of purchases for the nine months ended September 30, 2022 and 2021, respectively. No other vendors represented more than 10% of purchases for the nine months ended September 30, 2022 and 2021.

As of September 30, 2022, three customers accounted for approximately 28%, 15% and 11% of accounts receivable. As of December 31, 2021, two customers accounted for approximately 32% and 25% of accounts receivable. No other customers represented more than 10% of outstanding accounts receivable as of September 30, 2022 and December 31, 2021.

As of September 30, 2022, one vendor accounted for approximately 14% of accounts payable. As of December 31, 2021, two vendors accounted for approximately 18% and 11% of accounts payable. No other vendors represented more than 10% of outstanding accounts payable balance as of September 30, 2022 and December 31, 2021.

Note 15. Subsequent Events

The Company has evaluated all known subsequent events through November 14, 2022, which is the date these condensed consolidated financial statements were issued.

On October 6, 2022, the Company filed a registration statement on Form S-3 (File No. 333-267763), that was declared effective by the SEC on October 18, 2022, which permits the Company to offer up to \$50 million in the aggregate of (1) shares of its common stock, (2) shares of its preferred stock, which the Company may issue in one or more series, (3) debt securities, which may be senior debt securities or subordinated debt securities, (4) warrants, (5) rights, or (6) units, in one or more offerings and in any combination (the "Shelf Registration Statement"). As part of the Shelf Registration Statement, the Company filed a prospectus supplement registering for sale from time to time up to \$13.25 million in the aggregate of shares of common stock and entered into an At The Market Offering Agreement with Craig-Hallum Capital Group LLC (the "ATM Facility"). As of November 14, 2022, the Company has not conducted any sales under the ATM Facility.

Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations

The following management’s discussion and analysis of financial condition and results of operations provides information that management believes is relevant to an assessment and understanding of our consolidated results of operations and financial condition and changes in financial condition. You should read the following discussion and analysis of financial condition and results of operations together with the accompanying unaudited condensed consolidated financial statements and the related notes to those statements of Shapeways included in this Report and the audited financial statements and notes thereto as of and for the year ended December 31, 2021 which is contained in our Annual Report on Form 10-K/A filed with the Securities and Exchange Commission (“SEC”) on April 1, 2022. Some of the information contained in this discussion and analysis or set forth elsewhere in this Report, including information with respect to our plans and strategy for our business and related financing contains forward-looking statements that involve risks and uncertainties. See “Special Note Regarding Forward-Looking Statements” and “Risk Factors” for a discussion of forward-looking statements and important factors that could cause actual results to differ materially from those anticipated in these forward-looking statements. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance, or achievements. Except as required by law, we do not intend to update any of these forward-looking statements after the date hereof or to conform these statements to actual results or revised expectations.

Company Overview

Shapeways is a leading digital manufacturer combining high quality, flexible, on-demand manufacturing with purpose-built proprietary software to offer customers an end-to-end digital manufacturing platform on which they can rapidly transform digital designs into physical products. Our manufacturing platform offers customers access to high quality manufacturing from start to finish through automation, innovation, and digitization. Our proprietary software, wide selection of materials and technologies, and global supply chain lower manufacturing barriers and accelerate delivery of manufactured parts from prototypes to finished end parts. We combine deep digital manufacturing know-how and software expertise to deliver high quality, flexible on-demand digital manufacturing to a range of customers, from project-focused engineers to large enterprises. Digital manufacturing is the complete digitization of the end-to-end manufacturing process that enables the transition of a digital file to a physical product.

Recent Developments

ATM Program

On October 6, 2022, we entered into an At The Market Offering Agreement (the “Sales Agreement”), with Craig-Hallum Capital Group LLC (“Craig-Hallum”), pursuant to which, from time to time, we may raise up to \$13.25 million by selling shares of our common stock, par value \$0.0001 per share (the “ATM Shares”). The ATM Shares will be issued pursuant to our shelf registration statement on Form S-3 (File No. 333-267763), filed with the SEC on October 6, 2022 and declared effective on October 18, 2022 (the “Shelf Registration Statement”).

Subject to the terms and conditions of the Sales Agreement, Craig-Hallum will use commercially reasonable efforts consistent with its normal trading and sales practices to sell the ATM Shares from time to time, based upon our instructions, and is entitled to a commission at a rate equal to 3.0% of the gross price of any ATM Shares sold through Craig-Hallum (the “ATM Facility”). The offering of ATM Shares will terminate upon the earlier of (i) the sale of all common stock subject to the Sales Agreement or (ii) termination of the Sales Agreement in accordance with its terms. We are not required to sell any shares at any time during the term of the Sales Agreement. Net proceeds from the sale of ATM Shares, if any, will be used for general corporate purposes. To date, we have not conducted any sales under the ATM Facility.

Key Factors Affecting Operating Results

We believe that our performance and future success depend on many factors that present significant opportunities for us but also pose risks and challenges, including the following:

Commercial Launch of New Offerings

We plan to continue to launch new manufacturing technologies, materials, and finishes. Prior to commercialization, we must complete testing and manufacturing ramp-up either in house or through our network of third-party manufacturing partners. Any delays in the successful completion of these steps or the results of testing may impact our ability or the pace at which we will generate revenue from these offerings. Even if we successfully introduce these new offerings, there is no assurance that they will be accepted by the broader market.

We launched the first phase of our software offering under the brand OTTO in the fourth quarter of 2021, to third-party manufacturers. This phase of the rollout involves activities such as creating awareness of the new offering and ensuring the software can interoperate with systems used by potential customers. We plan to roll out further phases of this software over the next several years. Additionally, in April 2022 we acquired MFG.com ("MFG"), which we believe will help further our software strategy and is expected to help accelerate OTTO's phased rollout. We believe that offering our OTTO software to other manufacturers will enable us to generate future revenue. However, we have not derived significant revenue from sales of our software to date, and may never be successful in doing so. We expect to further commercialize our software, which we expect will provide software customers with an end-to-end software for their manufacturing operations and expand the manufacturing capabilities that they offer to their customers.

Adoption of Our Digital Manufacturing Solutions

We believe that the market is shifting toward digitization of manufacturing and approaching an inflection point in the overall adoption of digital manufacturing solutions. We believe that we are well-positioned to take advantage of this market opportunity across an array of industries due to our platform that combines high-quality, flexible, on-demand manufacturing with purpose-built proprietary software. We expect that our results of operations, including revenue and gross margins, will fluctuate for the foreseeable future as businesses continue to shift away from traditional manufacturing processes towards digital manufacturing. The degree to which current and potential customers recognize the benefits of the digitization of manufacturing, and then use our solutions in particular will affect our financial results.

Pricing, Product Cost and Margins

To date, the majority of our revenue has been generated by the manufacturing and sales of additively-manufactured end parts.

Software and manufacturing pricing may vary due to market-specific supply and demand dynamics, customer order size, and other factors. Sales of certain products, such as software, have, or are expected to have, higher gross margins than others. As a result, our financial performance depends, in part, on the mix of offerings we sell during a given period. Our financial performance could also be affected by our level of acquisition activity and the timing of any such transactions and could impact the amount of additional revenue we receive in a particular period, as well as gross margins and operating expenses. In addition, we are subject to price competition, and our ability to compete in key markets will depend on the success of our investments in our offerings, and on cost improvements as well as on our ability to efficiently and reliably introduce cost-effective digital manufacturing solutions for our customers.

Continued Investment and Innovation

We believe that we are a leader in digital manufacturing solutions, offering high-quality, flexible, on-demand manufacturing coupled with purpose-built proprietary software. Our performance is significantly dependent on the investment we make in our software development efforts and in new digital manufacturing technologies. It is essential that we continually identify and respond to rapidly evolving customer requirements, develop and introduce innovative new offerings, enhance existing solutions and generate customer demand for our offerings. We believe that investment in our digital manufacturing solutions will contribute to long-term revenue growth but, depending on the level of such investment, may adversely affect near-term profitability.

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We have also invested, and plan to continue to invest, in increasing our customer focus on middle market and enterprise opportunities, including by hiring business development personnel. We believe we will start to benefit from these investments in the coming quarters, but we expect to continue experiencing near-term impact on our gross margins as we continue to invest in this strategy. Our customer count may continue to decline as we increase our focus on middle market and enterprise opportunities. Additionally, these businesses involve risks that may not be present with smaller customers, including longer sales cycles, which create difficulties in assessing deal cyclicality and may cause our revenue and operating results to vary significantly in future periods.

Raw Material, Inflation, and Supply Chain Trends

Inflationary factors such as increases in the costs of raw materials, packaging materials, purchased product, energy costs, shipping costs and labor costs affect our operating results and financial condition. The ongoing impact of the COVID-19 pandemic, the Russian invasion of Ukraine and other supply and labor disruptions along with ongoing inflationary factors could have a material impact on our future costs and thus a material adverse effect on our financial condition and results of operations in the future. Although we make efforts to minimize the impact of inflationary factors which may include raising prices to our customers in the future, a high rate of pricing volatility associated with raw materials used in our products may have an adverse effect on our operating results. We will continue to work closely with our suppliers and customers, leveraging our global capabilities and expertise to work through supply and other resulting issues.

Components of Results of Operations

Revenue

The majority of our revenue results from the sales of products that we manufacture for customers, which is designated as “Direct Sales.” During the nine months ended September 30, 2022 and 2021, approximately 77% and 75% of our revenue was designated as Direct Sales, respectively. This revenue is recognized upon shipment of the manufactured product to the customer. Additionally, Direct Sales for the three and nine months ended September 30, 2022 reflects the revenue from the acquisition of Linear AMS (“Linear”) in May 2022.

During the nine months ended September 30, 2022 and 2021, approximately 18% and 24% of our revenue was designated as “Marketplace Sales,” respectively. This revenue is from our customers who sell products that we manufacture for them through our e-commerce website. Sales through this channel are subject to our regular manufacturing fees plus a 3.5% fee on any price markup the customer includes on their product.

Software revenue is recognized (i) upon implementation for implementation fees, (ii) ratably over the term of the agreement for licensing fees, and (iii) upon order processing for the revenue-sharing component of our arrangements. To date, we have not recognized a material amount of revenue from software since this product offering has been limited to only design partners as we developed the complete product offering. We launched the first phase of this offering more broadly under the brand OTTO in the fourth quarter of 2021. This phase of the software offering provides a limited ordering service for additive manufacturing capabilities fulfilled by us. Additionally, software revenue for the three and nine months ended September 30, 2022 reflects the revenue from the April 2022 acquisition of MFG.

Cost of Revenue

Our cost of revenue consists of the cost to produce manufactured products and related services. Cost of revenue includes machine costs, material costs, rent costs, personnel costs, and other costs directly associated with manufacturing operations in our factories as well as amounts paid to our third-party contract manufacturers and suppliers. Our cost of revenue also includes depreciation and amortization of equipment, cost of spare or replacement machine parts, machine service costs, shipping and handling costs, and some overhead costs. We expect cost of revenue to increase in absolute dollars in the future.

We intend to further commercialize our software offering and if we generate material revenue from sales of our software offering, we will separately recognize the related cost of revenue.

Gross Profit and Gross Margin

Our gross profit and gross margin are, or may be, influenced by a number of factors, including:

- Market conditions that may impact our pricing;
- Product mix changes between established manufacturing product offerings and new manufacturing product offerings;
- Mix changes between products we manufacture in house and through outsourced manufacturers;
- Our cost structure, including rent, materials costs, machine costs, labor rates, and other manufacturing operations costs;
- Our level of investment in new technologies; and
- Our level of acquisition activity and the timing of any such transaction.

Selling, General and Administrative

Selling, general and administrative (“SG&A”) expenses consist primarily of employee-related costs for individuals working in our sales and marketing departments, third party consultants and vendors, marketing costs such as search engine marketing and search engine optimization and other advertising costs, as well as personnel-related expenses associated with our executive, finance and accounting, legal, human resources, and supply chain functions, as well as professional fees for legal, audit, accounting and other consulting services along with administrative costs of doing business which include, but are not limited to, rent, utilities, and insurance.

We expect our sales and marketing costs will increase on an absolute-dollar basis as we expand our headcount, initiate new marketing campaigns, and continue to roll out future phases of our software offering.

We expect our general and administrative expenses will continue to increase on an absolute-dollar basis in the near term as a result of operating as a public company, including expenses necessary to comply with the rules and regulations applicable to companies listed on a national securities exchange and related to compliance and reporting obligations pursuant to the rules and regulations of the SEC, as well as expenses for insurance (including director and officer insurance), investor relations, and other administrative and professional services. In addition, we expect to incur additional costs as we hire additional personnel and enhance our infrastructure to support the anticipated growth of the business.

Research and Development

Our research and development expenses consist primarily of employee-related personnel expenses, consulting and contractor costs, and SaaS, data center, and other technology costs and are typically expensed as incurred. We expect research and development costs will increase on an absolute dollar basis over time as we continue to invest in our software offering.

Change in Fair Value of Earnout Liability

Change in fair value of earnout liability is a non-cash gain or loss impacted by the fair value of the earnout liability related to the Linear acquisition.

Change in Fair Value of Warrant Liabilities

Change in fair value of warrant liability is a non-cash gain or loss impacted by the fair value of the Private Warrants assumed pursuant to the Merger.

Interest Expense

Interest expense consists primarily of interest expense associated with our term loan and our bridge loan. At the Closing of the Business Combination, we repaid and terminated the term loan in full. Immediately prior to the completion of the Business Combination, the bridge loan was converted into shares of common stock of Legacy Shapeways. We had no interest-bearing debt outstanding as of September 30, 2022 and December 31, 2021.

Other Income

Other income primarily consists of rental income associated with our lease in Michigan.

Income Tax Benefit (Expense)

We file consolidated income tax returns in the United States and in various state jurisdictions. Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases. Deferred tax assets and liabilities are measured using enacted tax rates in effect for the year in which those temporary differences are expected to be recovered or settled. Where applicable, we record a valuation allowance to reduce any deferred tax assets that it determines will not be realizable in the future.

Due to our cumulative losses, we maintain a valuation allowance against our U.S. and state deferred tax assets.

Results of Operations

Comparison of the Three Months Ended September 30, 2022 and 2021

Revenue

(Dollars in thousands)	Three Months Ended September 30,		Change	
	2022	2021	\$	%
Revenue	\$ 8,449	\$ 7,716	\$ 733	9 %

Revenue for the three months ended September 30, 2022 and 2021 was \$8.4 million and \$7.7 million, respectively, representing an increase of \$0.7 million, or 9% from the prior year period. The increase in revenue was primarily attributable to our acquisitions of Linear and MFG and a 23% increase in average revenue per customer, partially offset by an 11% decrease in customer count.

Cost of Revenue

(Dollars in thousands)	Three Months Ended September 30,		Change	
	2022	2021	\$	%
Cost of Revenue	\$ 4,758	\$ 4,055	\$ 703	17 %

Cost of revenue for the three months ended September 30, 2022 and 2021 was \$4.8 million and \$4.1 million, respectively, representing an increase of \$0.7 million, or 17%. The increase in cost of revenue was primarily due to an investment in new technologies, a more varied product mix, including additional product offerings as a result of acquisitions and increases in costs of materials, energy and outsourced vendors due to inflationary impacts.

Gross Profit and Gross Margin

(Dollars in thousands)	Three Months Ended September 30,		Change	
	2022	2021	\$	%
Gross Profit	3,691	3,661	\$ 30	1 %

Gross profit for each of the three months ended September 30, 2022 and 2021 was \$3.7 million, representing a slight increase. The slight increase in gross profit was driven by an increase in revenue, partially offset by the increase in cost of revenue due to a more varied product mix and inflationary impacts.

	Three Months Ended September 30,		Change	
	2022	2021	Points	%
Gross Margin	44 %	47 %	(3)	(6)%

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Selling, General and Administrative

SG&A expenses for the three months ended September 30, 2022 and 2021 were \$7.6 million and \$4.4 million, respectively, representing an increase of \$3.2 million, or 73%. The increase in SG&A expenses primarily resulted from increases to personnel cost, amortization expense related to the intangibles acquired as part of the acquisitions of Linear, MFG and MakerOS (the "2022 acquisitions"), audit and other spending related to becoming a public company and restructuring costs related to our move out of the Long Island City facility and consolidation of our US manufacturing capabilities in Livonia, Michigan.

Research and Development

Research and development expenses for the three months ended September 30, 2022 and 2021 were \$2.6 million and \$1.7 million, respectively, representing an increase of \$0.9 million, or 54%. The increase in research and development expenses was primarily due to an increase in personnel cost.

Change in Fair Value of Earnout Liability

The change in fair value of the earnout liability resulted in a gain of \$1.8 million for the three months ended September 30, 2022. The gain related to the decrease in fair value of the estimated earnout liability related to the Linear acquisition. There was no earnout liability for the nine months ended September 30, 2021 due to the timing of the Linear acquisition.

Change in Fair Value of Warrant Liabilities

The change in fair value of the warrant liabilities resulted in a gain of an insignificant amount for the three months ended September 30, 2022 and a gain of \$5.1 million for the three months ended September 30, 2021. The gain related to the decrease in fair value of the Private and Sponsor Warrants assumed pursuant to the Merger.

Interest Expense

Interest expense for the three months ended September 30, 2022 was an insignificant amount. Interest expense for the three months ended September 30, 2021 was \$0.1 million.

Other Income

Other income for the three months ended September 30, 2022 was \$0.1 million and related to rental income. There was no other income for the three months ended September 30, 2021.

Income Taxes

We recorded an insignificant amount of income tax benefit (expense) for the three months ended September 30, 2022. There was no income tax benefit (expense) recorded for the three months ended September 30, 2021.

Comparison of the Nine Months Ended September 30, 2022 and 2021

Revenue

(Dollars in thousands)	Nine Months Ended September 30,		Change	
	2022	2021	\$	%
Revenue	\$ 24,452	\$ 25,354	\$ (902)	(4)%

Revenue for the nine months ended September 30, 2022 and 2021 was \$24.5 million and \$25.4 million, respectively, representing a decrease of \$0.9 million, or 4%. The decrease in total revenue was primarily attributable to a 15% decrease in customer count, partially offset by a 14% increase in average revenue per customer and the impacts of the acquisitions of Linear and MFG.

Cost of Revenue

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(Dollars in thousands)	Nine Months Ended September 30,		Change	
	2022	2021	\$	%
Cost of Revenue	\$ 13,710	\$ 13,271	\$ 439	3 %

Cost of revenue for the nine months ended September 30, 2022 and 2021 was \$13.7 million and \$13.3 million, respectively, representing an increase of \$0.4 million, or 3%. The increase in cost of revenue was primarily due to higher expenses related to investment in new technologies, a more varied product mix, including additional product offerings as a result of acquisitions and increases in costs of materials, energy and outsourced vendors due to inflationary impacts.

Gross Profit and Gross Margin

(Dollars in thousands)	Nine Months Ended September 30,		Change	
	2022	2021	\$	%
Gross Profit	\$ 10,742	\$ 12,083	\$ (1,341)	(11)%

Gross profit for the nine months ended September 30, 2022 and 2021 was \$10.7 million and \$12.1 million, respectively, representing a decrease of \$1.3 million or 11%. The decrease in gross profit was primarily driven by lower revenue and higher cost of revenue across a more varied product mix while our newer technologies ramp up and inflationary impacts.

	Nine Months Ended September 30,		Change	
	2022	2021	Points	%
Gross Margin	44 %	48 %	(4)	(8)%

Selling, General and Administrative

SG&A expenses for the nine months ended September 30, 2022 and 2021 were \$20.5 million and \$10.6 million, respectively, representing an increase of \$9.9 million, or 93%. The increase in SG&A expenses primarily resulted from an increase in personnel cost due to an increase in the number of employees, expenses related to the 2022 acquisitions, amortization related to the intangibles acquired as part of the 2022 acquisitions, audit and other spending related to becoming a public company and restructuring costs related to our transition to our Michigan manufacturing facility.

Research and Development

Research and development expenses for the nine months ended September 30, 2022 and 2021 were \$7.0 million and \$4.1 million, respectively, representing an increase of \$2.9 million, or 71%. The increase in research and development expenses was primarily due to an increase in personnel cost during the nine months ended September 30, 2022.

Debt Forgiveness

We had no debt forgiveness during the nine months ended September 30, 2022. Debt forgiveness for the nine months ended September 30, 2021 was \$2.0 million, relating to the forgiveness of our Payroll Protection Program ("PPP") loan.

Change in Fair Value of Earnout Liability

The change in fair value of the earnout liability resulted in a gain of \$1.8 million for the nine months ended September 30, 2022. The gain related to the decrease in fair value of the estimated earnout liability related to the Linear acquisition. There was no earnout liability for the nine months ended September 30, 2021 due to the timing of the Linear acquisition.

Change in fair value of Warrant Liabilities

The change in fair value of warrant liabilities resulted in a gain of \$1.6 million and \$5.1 million for the nine months ended September 30, 2022 and 2021, respectively. The gain related to the decrease in fair value of the Private Warrants and Sponsor Warrants assumed pursuant to the Merger.

Interest Expense

Interest expense for the nine months ended September 30, 2022 was insignificant. Interest expense was \$0.4 million for the nine months ended September 30, 2021.

Other Income

Other income for the nine months ended September 30, 2022 was \$0.1 million and related to rental income. Other income for the nine months ended September 30, 2021 was insignificant.

Income Taxes

Income tax benefit was insignificant for the nine months ended September 30, 2022. Income tax benefit was \$0.1 million for the nine months ended September 30, 2021.

We have provided a valuation allowance for all of our deferred tax assets as a result of our historical net losses in the jurisdictions in which we operate. We continue to assess our future taxable income by jurisdiction based on our recent historical operating results, the expected timing of reversal of temporary differences, various tax planning strategies that we may be able to enact in future periods, the impact of potential operating changes on our business and our forecast results from operations in future periods based on available information at the end of each reporting period. To the extent that we are able to reach the conclusion that deferred tax assets are realizable based on any combination of the above factors in a single, or multiple, taxing jurisdictions, a reversal of the related portion of our existing valuation allowances may occur.

Non-GAAP Financial Information

In addition to our results determined in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”), we believe that Adjusted EBITDA, a non-GAAP financial measure, is useful in evaluating our operational performance. We use this non-GAAP financial information to evaluate our ongoing operations and for internal planning and forecasting purposes. We believe that this non-GAAP financial information, when reviewed collectively with our U.S. GAAP results, may be helpful to investors in assessing our operating performance.

We define Adjusted EBITDA as net (loss) income excluding debt forgiveness, interest expense, net of interest income, income tax benefit (expense), depreciation and amortization, stock-based compensation, change in fair value of earnout liability, change in fair value of warrant liabilities, acquisition costs, restructuring costs and other (which includes other income and non-operating gains and losses).

We believe that the use of Adjusted EBITDA provides an additional tool for investors to use in evaluating ongoing operating results and trends because it eliminates the effect of financing and capital expenditures and provides investors with a means to compare our financial measures with those of comparable companies, which may present similar non-GAAP financial measures to investors. However, you should be aware that when evaluating Adjusted EBITDA we may incur future expenses similar to those excluded when calculating this measure. In addition, our presentation of Adjusted EBITDA should not be construed as an inference that our future results will be unaffected by unusual or non-recurring items.

Because of these limitations, Adjusted EBITDA should not be considered in isolation or as a substitute for performance measures calculated in accordance with U.S. GAAP. We compensate for these limitations by relying primarily on our U.S. GAAP results and using Adjusted EBITDA on a supplemental basis. You should review the reconciliation of net (loss) income to Adjusted EBITDA below and not rely on any single financial measure to evaluate our business.

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The following table reconciles net (loss) income to Adjusted EBITDA for the three and nine months ended September 30, 2022 and 2021:

(Dollars in thousands)	Three Months Ended September 30,		Nine Months Ended September 30,	
	2022	2021	2022	2021
Net (loss) income	\$ (4,550)	\$ 2,552	\$ (13,261)	\$ 4,125
Debt forgiveness	—	—	—	(2,000)
Interest expense, net	(14)	125	(16)	406
Depreciation and amortization	473	146	1,032	424
Stock based compensation	1,207	438	1,519	783
Change in fair value of earnout liability	(1,784)	—	(1,784)	—
Change in fair value of warrant liabilities	(31)	(5,088)	(1,558)	(5,088)
Income tax benefit (expense)	3	—	2	(71)
Acquisition costs	—	—	373	—
Restructuring costs	190	—	190	—
Other	(109)	1	(148)	21
Adjusted EBITDA	\$ (4,615)	\$ (1,826)	\$ (13,651)	\$ (1,400)

Liquidity and Capital Resources

We have incurred losses from operations in each of our annual reporting periods since our inception. As of September 30, 2022, we had \$46.9 million in cash and cash equivalents and \$0.1 million in restricted cash. Until the Business Combination, we primarily funded operations through preferred stock offerings and debt instruments. During the three months ended September 30, 2022 we deployed approximately \$3.5 million of cash, below our normalized quarterly operating cash burn. We believe that our current cash and cash equivalents will be sufficient to meet our working capital needs for the twelve months following the issuance date of our unaudited condensed consolidated financial statements included within this Report.

On October 6, 2022, we filed the Shelf Registration Statement which permits us to offer up to \$50 million in the aggregate of (1) shares of our common stock, (2) shares of our preferred stock, which we may issue in one or more series, (3) debt securities, which may be senior debt securities or subordinated debt securities, (4) warrants, (5) rights, or (6) units, in one or more offerings and in any combination. As part of the Shelf Registration Statement, we filed a prospectus supplement registering for sale from time to time up to \$13.25 million in the aggregate of ATM Shares pursuant to the ATM Facility. To date, we have not conducted any sales under the ATM Facility.

In September 2021, we consummated the Business Combination which provided gross proceeds resulting from the Merger and PIPE Investment of approximately \$28.1 million and \$75.0 million, respectively, for a total of approximately \$86.8 million in net proceeds after transaction costs.

Our growth strategy includes exploring strategic partnerships. On March 26, 2021, we entered into a non-binding Memorandum of Understanding (“MOU”) with Desktop Metal, pursuant to which Desktop Metal agreed to invest \$20.0 million in the PIPE Investment. Upon consummation of this investment, we became obligated to purchase \$20.0 million of equipment, materials and services from Desktop Metal. In conjunction with these obligations, we and Desktop Metal agreed to develop a strategic partnership. As of September 30, 2022, we paid \$16.3 million to Desktop Metal for equipment, materials and services received and placed purchase orders for another \$3.7 million of equipment, materials and services to be purchased under the MOU. The timing of payments for these purchase orders may depend on a number of factors, including Desktop Metal’s inventory management and logistics systems, and our ability to take delivery of any such equipment, materials and services. We have no further obligations under the MOU.

Our ability to transition to more profitable operations is dependent upon achieving a level of revenue adequate to support our evolving cost structure. We expect to continue to incur net losses in connection with our ongoing activities, particularly as we invest in hiring, growth-related operating expenditures, and capital expenditures in respect of new digital manufacturing technologies. Additionally, we may engage in future acquisitions. If events or circumstances occur such that we do not meet our operating plan as expected, we will be required to reduce corporate overhead or other operating expenses, which could have an adverse impact on our ability to achieve intended business objectives or obtain additional

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financing. We believe that we have the ability to enact cost savings measures to preserve capital if necessary. There can be no assurance that we will be successful in implementing our business objectives, however, we believe that external sources of funding will be available in such circumstances.

Cash Flow Summary for the nine months ended September 30, 2022 and 2021

The following table sets forth a summary of cash flows for the periods presented:

(Dollars in thousands)	Nine Months Ended September 30,	
	2022	2021
Net cash used in operating activities	\$ (15,015)	\$ (2,250)
Net cash used in investing activities	(17,904)	(125)
Net cash provided by financing activities	289	83,945
Net change in cash and cash equivalents and restricted cash	\$ (32,630)	\$ 81,570

Operating Activities

Net cash used in operating activities was \$15.0 million for the nine months ended September 30, 2022, primarily consisting of net loss of \$13.3 million, net cash outflow from working capital of \$1.7 million, gain on change in fair value of earnout liability of \$1.8 million and gain on change in fair value of warrant liability of \$1.6 million, partially offset by depreciation and amortization expense of \$1.0 million, stock-based compensation expense of \$1.5 million and lease expense of \$0.7 million.

Net cash used in operating activities was \$2.3 million during the nine months ended September 30, 2021, primarily due to a gain on the change in fair value of warrant liabilities of \$5.1 million, a net cash outflow from change in our operating assets and liabilities of \$1.2 million, debt forgiveness of \$2.0 million related to our PPP loan and other non-cash expenses of \$1.9 million, partially offset by net income of \$4.1 million.

Investing Activities

During the nine months ended September 30, 2022, net cash used in investing activities was \$17.9 million, which consisted of \$9.0 million for purchases of property and equipment and \$8.9 million related to net cash paid for the 2022 acquisitions.

During the nine months ended September 30, 2021 net cash used in investing activities was \$0.1 million for purchases of property and equipment.

Financing Activities

During the nine months ended September 30, 2022, net cash provided by financing activities was \$0.3 million resulting from proceeds from exercises of employee stock options.

During the nine months ended September 30, 2021, net cash provided by financing activities was \$83.9 million resulting primarily from the effect of the Merger, (net of transaction costs) of \$86.8 million, partially offset by repayments of loans payable of \$3.5 million.

Contractual Obligations and Commitments

See Note 10, Commitments and Contingencies, of the notes to the unaudited condensed consolidated financial statements for the nine months ended September 30, 2022 and 2021 included elsewhere in this Report for further discussion of our commitments and contingencies.

Off-Balance Sheet Arrangements

We have no off-balance sheet arrangements and do not utilize any “structured debt,” “special purpose” or similar unconsolidated entities for liquidity or financing purposes.

Critical Accounting Estimates

Our discussion and analysis of financial condition and results of operations are based upon our unaudited condensed consolidated financial statements, which have been prepared in accordance with U.S. GAAP. Certain of our accounting policies require the application of judgment in selecting the appropriate assumptions for calculating financial estimates. By their nature, these judgments are subject to an inherent degree of uncertainty. We periodically evaluate the judgments and estimates used for our critical accounting policies to ensure that such judgments and estimates are reasonable for our interim and year-end reporting requirements. These judgments and estimates are based on our historical experience (where available), current trends and information available from other sources, as appropriate. If different conditions result from those assumptions used in its judgments, the results could be materially different from our estimates. To the extent that there are material differences between these estimates and actual results, our condensed consolidated financial statements will be affected.

For a discussion of our critical accounting estimates, please refer to ITEM 7 under Part II, "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our 2021 Annual Report on Form 10-K/A for the year ended December 31, 2021. Since December 31, 2021, there have been no material changes to our critical accounting estimates.

Recent Accounting Pronouncements

Refer to Note 2 of our unaudited condensed consolidated financial statements found elsewhere in this Report.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

Not applicable.

Item 4. Controls and Procedures

(a) Evaluation of Disclosure Controls and Procedures

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our reports filed under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer or persons performing similar functions, to allow for timely decisions regarding required disclosure. In accordance with Rules 13a-15(b) under the Exchange Act, we carried out an evaluation, under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, of the effectiveness of our disclosure controls and procedures as of September 30, 2022, which is the end of the three-month period covered by this Quarterly Report on Form 10-Q.

Based on this evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that during the period covered by this Report, our disclosure controls and procedures were effective at a reasonable assurance level and, accordingly, provided reasonable assurance that the information required to be disclosed by us in reports filed under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms.

(b) Changes in Internal Control Over Financial Reporting

There has been no change in our internal control over financial reporting during the fiscal quarter ended September 30, 2022, that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Part II - Other Information

Item 1. Legal Proceedings

We are involved in various legal proceedings which arise from time to time in the normal course of business. While the results of such matters generally cannot be predicted with certainty, management does not expect any such matters to have a material adverse effect on our consolidated financial position or results of operations as of the date of this Report.

Item 1A. Risk Factors

An investment in our securities involves a high degree of risk. You should consider carefully all of the risks described below, together with the other information contained in this Report, including our financial statements and related notes, before making a decision to invest in our securities. If any of the following events occur, our business, financial condition and operating results may be materially adversely affected. In that event, the trading price of our securities could decline, and you could lose all or part of your investment.

Risk Factor Summary

- We have a history of losses and may not achieve or maintain profitability in the future.
- We face significant competition and expect to face increasing competition in many aspects of our business, which could cause our operating results to suffer.
- The digital manufacturing industry is a relatively new and emerging market and it is uncertain whether it will gain widespread acceptance.
- We derive a significant portion of our revenue from business conducted outside the U.S. and are subject to the risk of doing business outside the United States.
- If we fail to grow our business as anticipated, our revenues, gross margin, and operating margin will be adversely affected.
- If our new and existing solutions and software do not achieve sufficient market acceptance, our financial results and competitive position will decline.
- Our attempts to expand our business into new markets and geographies may not be successful.
- An active, liquid trading market for our common stock may not develop, which may limit your ability to sell your shares.
- Our issuance of additional shares of common stock or convertible securities may dilute your ownership of us and could adversely affect our stock price.
- Future sales, or the perception of future sales, of our common stock by us or our existing stockholders in the public market could cause the market price for our common stock to decline.
- Our operating results and financial condition may fluctuate on a quarterly and annual basis.
- Our stock price may be volatile or may decline regardless of our operating performance. You may lose some or all of your investment.
- If securities or industry analysts publish inaccurate or unfavorable research or reports about our business, our stock price and trading volume could decline.
- Failure to attract, integrate and retain additional personnel in the future, could harm our business and negatively affect our ability to successfully grow our business.
- Interruptions to or other problems with our website user interface, information technology systems, manufacturing processes, or other operations could damage our reputation and brand and substantially harm our business and results of operations.
- As part of our growth strategy, we may continue to acquire or make investments in other businesses, patents, technologies, products, or services. We may not realize the anticipated benefits of such investments and integration of these investments may disrupt our business and divert management attention.
- The loss of one or more key members of our management team or personnel could harm our business.
- We may not timely and effectively scale and adapt our platform, processes, and infrastructure across materials, technologies, markets and software to expand our business.

- Our actual results may be significantly different from our projections, estimates, targets, or forecasts.

Risks Related to Our Business

We have a history of losses and may not achieve or maintain profitability in the future.

We experienced net losses of \$4.6 million and \$2.6 million for the three months ended September 30, 2022 and 2021, respectively and net loss of \$13.3 million and net income of \$4.1 million for the nine months ended September 30, 2022 and 2021, respectively. As of September 30, 2022, we had an accumulated deficit of \$126.1 million. We believe we may continue to incur operating losses and negative cash flow in the near-term as we continue to invest significantly in our business, in particular in new printing hardware and materials, sales and marketing programs and software services. These investments may not result in increased revenue or growth in our business.

We may incur significant losses in the future for a number of reasons, including due to the other risks described in this Part II, Item 1A: “Risk Factors,” and we may encounter unforeseen expenses, difficulties, complications and delays and other unknown events. As a result, our losses may be larger than anticipated, we may incur significant losses for the foreseeable future, and we may not achieve or maintain profitability when expected, or at all. Revenue growth and growth in our customer base may not be sustainable, and we may not achieve sufficient revenue to achieve or maintain profitability. If our future growth and operating performance fail to meet investor or analyst expectations, or if we have future negative cash flow or losses resulting from our investment in acquiring customers or expanding our operations, this could have a material adverse effect on our business, financial condition and results of operations.

We face significant competition and expect to face increasing competition in many aspects of our business, which could cause our operating results to suffer.

The digital manufacturing industry in which we operate is fragmented and competitive. We compete for customers with a wide variety of manufacturers, including those that use digital manufacturing and/or 3D printing equipment. Exclusivity arrangements in the digital manufacturing industry are uncommon; we have few exclusivity arrangements with our customers. Some of our existing and potential competitors are researching, designing, developing, and marketing other types of offerings that may render our existing or future services obsolete, uneconomical or less competitive. Existing and potential competitors may also have substantially greater financial, technical, marketing and sales, manufacturing, distribution, and other resources than we do, including name recognition, as well as experience and expertise in intellectual property rights and operating within certain international markets, any of which may enable them to compete effectively against us. For example, a number of companies that have substantial resources have announced that they are beginning digital manufacturing initiatives, which will further enhance the competition we face.

We cannot assure you that we will be able to maintain our current position or continue to compete successfully against current and future sources of competition. If we do not keep pace with technological change, demand for our offerings may decline, and our operating results may suffer.

The digital manufacturing industry is a relatively new and emerging market and it is uncertain whether it will gain widespread acceptance.

The emergence of the digital manufacturing industry is a relatively recent development, and the industry is characterized by rapid technological change. We have encountered and will continue to encounter challenges experienced by growing companies in a market subject to rapid innovation and technological change. While we intend to invest substantial resources to remain on the forefront of technological development, continuing advances in digital manufacturing technology, changes in customer requirements and preferences, and the emergence of new standards, regulations, and certifications could adversely affect adoption of our products either generally or for particular applications. If the digital manufacturing industry does not gain widespread acceptance, our business will be adversely affected.

If we fail to grow our business as anticipated, our revenues, gross margin, and operating margin will be adversely affected.

Over the next several years we will attempt to grow our business substantially. To this end, we have made, and expect to continue to make, significant investments in our business, including investments in our infrastructure, technology, marketing, and sales efforts. These investments may include additional acquisitions beyond our acquisitions of Linear , MFG and MakerOS in the second quarter of 2022, as well as dedicated facilities expansion and increased staffing, both

domestic and international. If our business does not generate the level of revenue required to support our investment, our revenues and profitability will be adversely affected.

Our ability to effectively manage our growth will also require us to enhance our operational, financial, and management controls and infrastructure, human resources policies, and reporting systems. These will require significant investments in additional headcount and other operating expenditures and allocation of valuable management and employee resources. Our future financial performance and our ability to execute on our business plan will depend, in part, on our ability to effectively manage any future growth and expansion. There are no guarantees we will be able to do so in an efficient or timely manner, or at all.

If our new and existing solutions and software do not achieve sufficient market acceptance, our financial results and competitive position will decline.

We launched the first phase of our software offering under the brand "OTTO" in the fourth quarter of 2021. We expanded our software offering's customer base and feature set with the acquisition of MFG and MakerOS, both completed in the second quarter of 2022. We plan to roll out further phases of our software over the next several years. We have not derived significant revenue from sales of our software to date, and we may never be successful in doing so. If our software offerings do not achieve widespread acceptance, if our rollouts experience significant delays, or if there is lower than anticipated demand for our software caused by a lack of customer acceptance, technological challenges, weakening economic conditions, security or privacy concerns, competing technologies and products, decreases in corporate spending, or otherwise, our business could be adversely affected.

Our attempts to expand our business into new markets and geographies may not be successful.

We seek to grow our business through, among other things, expanding our digital manufacturing capabilities into new markets and expanding our offerings into new geographies, including through acquisitions. Our efforts to expand our offerings into new markets, including industrial, medical, automotive, and aerospace markets, and new geographies may not succeed. These attempts to expand our business increase the complexity of our business, require significant levels of investment, and can strain our management, personnel, operations, and systems. There can be no assurance that these business expansion efforts will develop as anticipated or that we will succeed, and if we do not, we may be unable to recover our investment, which could adversely impact our business, financial condition, and results of operations.

We may be unable to consistently manufacture our customers' designs to the necessary specifications or in quantities necessary to meet demand at an acceptable cost or at an acceptable performance level and this could adversely affect our service availability, delivery, reliability, and cost.

As we continue to grow and introduce new materials and as our customers' designs become increasingly sophisticated, it will become more difficult to provide products in the necessary quantities to meet customer expectations. We cannot assure you that we or our third-party manufacturers will be able to continue to consistently achieve the product specifications and quality that our customers expect. Any future unforeseen manufacturing problems, such as equipment malfunctions, aging components, component obsolescence, business continuity issues, quality issues with components and materials sourced from third party suppliers, or failures to strictly follow procedures or meet specifications, may have a material adverse effect on our brand, business, financial condition, and operating results. Furthermore, we or our third-party manufacturers may not be able to increase manufacturing to meet anticipated demand or may experience downtime or fail to timely deliver manufactured products to customers. If we fail to meet contractual terms with our customers, including terms related to time of delivery and performance specifications, we may be required to replace defective products and may become liable for damages, even if manufacturing or delivery was outsourced.

Our commercial contracts generally contain product warranties and limitations on liability and we carry liability insurance. However, commercial terms and our insurance coverage may not be adequate or available to protect our company in all circumstances, and we might not be able to maintain adequate insurance coverage for our business in the future at an acceptable cost. Any liability claim against us that is not covered by adequate insurance could adversely affect our consolidated results of operations and financial condition.

Our success depends on our ability to deliver services that meet the needs of customers and to effectively respond to changes in our industry.

Our business may be affected by rapid technological change, changes in user and customer requirements and preferences, frequent new product and service introductions by our competitors, and the emergence of new technologies, any of which could render our existing and proposed offerings and proprietary technology obsolete. Accordingly, our ongoing research and development programs are intended to enable us to maintain technological leadership. Furthermore, in order to enable continuous deep integrations with our customers, we must continually update our platform so that it can interoperate with other software and systems used by our customers. We believe that to remain competitive we must continually enhance and improve the functionality and features of our services and technologies. However, there is a risk that we may not be able to:

- Develop or obtain leading technologies useful in our business;
- Enhance our existing software products;
- Develop new services and technologies that address the increasingly sophisticated and varied needs of prospective customers, particularly in the area of materials diversity;
- Respond to technological advances and emerging industry standards and practices on a cost-effective and timely basis;
- Successfully manage frequent introductions and transitions of technology and software; or
- Recruit or retain key technology employees.

If we are unable to meet changing technology and customer needs, or if we fail to successfully integrate new and upgraded software, our competitive position, revenue, results of operations, and financial condition could be adversely affected.

Failure to attract, integrate and retain additional personnel in the future could harm our business and negatively affect our ability to successfully grow our business.

To support the continued growth of our business, we must effectively recruit, hire, integrate, develop, motivate, and retain additional new employees. High demand exists for senior management and other key personnel (including technical, engineering, product, finance, and sales personnel) in the digital manufacturing industry, and there can be no assurance that we will be able to retain our current key personnel. We experience intense competition for qualified personnel and some of our competitors for these employees have greater resources and more experience, making it difficult for us to compete successfully for key personnel. Moreover, new employees may not become as productive as we expect since we may face challenges in adequately integrating them into our workforce and culture. If we cannot attract and retain sufficiently qualified technical employees for our research and development activities, as well as experienced sales and marketing personnel, we may be unable to develop and commercialize new offerings or new applications for existing offerings. Furthermore, possible shortages of key personnel, including engineers, in the regions surrounding our facilities could require us to pay more to hire and retain key personnel, thereby increasing our costs.

All of our U.S. employees are at-will employees, meaning that they may terminate their employment relationship with us at any time, and their knowledge of our business and industry would be extremely difficult to replace. Where permissible by law, we generally enter into non-competition agreements with our employees. These agreements prohibit our employees from competing directly with us or working for our competitors or clients while they work for us, and in some cases, for a limited period after they cease working for us. We may be unable to enforce these agreements under the laws of the jurisdictions in which our employees work, in certain circumstances we may choose not to enforce these agreements and it may be difficult for us to restrict our competitors from benefiting from the expertise that our former employees or consultants developed while working for us. If we cannot demonstrate that our legally protectable interests will be harmed, we may be unable to prevent our competitors from benefiting from the expertise of our former employees or consultants and our ability to remain competitive may be diminished.

Changes in the mix of the offerings we provide may impact our gross margins and financial performance.

Our financial performance has been and may continue to be affected by the mix of offerings we sell during a given period, and we may experience significant quarterly fluctuations in revenues, gross profit margins, or operating income or loss due to the impact of the mix of offerings, channels, or geographic areas in which we sell our offerings. Our offerings

are sold, and will continue to be sold, at different price points. Sales of certain of our offerings have, or are expected to have, higher gross margins than others. If our offerings mix shifts into lower gross margin offerings, and we are not able to sufficiently reduce the engineering, production, and other costs associated with those offerings or substantially increase the sales of our higher gross margin offerings, our profitability could be reduced. In addition, the introduction of new products or services, including as a result of acquisitions, has and may continue to heighten quarterly fluctuations in gross profit and gross profit margins due to manufacturing ramp-up and start-up costs.

We may experience significant delays in the roll out of our digital manufacturing solutions, and we may be unable to successfully commercialize manufacturing solutions on our planned timelines.

Some of our digital manufacturing solutions have not been widely released, including our planned “gray-label” platform offering. There are often delays in the testing, manufacture, and commercial release of new solutions, and any delay in the process could materially damage our brand, business, growth prospects, financial condition, and operating results. Even if we successfully complete the testing of new solutions, they may not achieve widespread commercial success for a number of reasons, including:

- misalignment between the solutions and customer needs;
- lack of innovation of the solutions;
- failure of the solutions to perform in accordance with the customer’s industry standards;
- ineffective distribution and marketing;
- delay in obtaining any required regulatory approvals;
- unexpected production costs; or
- release of competitive products.

We may not timely and effectively scale and adapt our platform, processes, and infrastructure across materials, technologies, markets, and software, to expand our business.

A key element to our growth strategy is the ability to scale our existing platform quickly and efficiently across different materials, technologies, and other applications. This will require us to timely and effectively scale and adapt our existing platform, technology, processes, and infrastructure to expand our business. We recently began offering software as a service and plan to roll out further phases of this software over the next two years, but may not succeed in doing so. Similarly, our manufacturing technology may not enable us to process the large numbers of unique designs and efficiently manufacture the related parts in a timely fashion to meet the needs of customers as our business continues to grow. We may not succeed in scaling our business, and any failure in our ability to timely and effectively scale our platform, technology, processes, and infrastructure could damage our reputation and brand, result in lost revenue, and otherwise substantially harm our business and results of operations.

We rely on our collaborations and commercial agreements with third-party additive manufacturing hardware and material providers for many of our manufacturing solutions.

Our ability to deliver manufacturing solutions to our customers and expand our manufacturing capabilities that include new hardware technologies and materials such as industrial metals, is dependent on obtaining digital manufacturing hardware and materials from third-party manufacturers. Delays in readiness, capabilities and availability of technologies, hardware and materials may limit our ability to provide manufacturing capabilities to our customers according to our plan. We have historically focused on manufacturing for customers needing products based in polymers, launching new technologies and materials will require new skills, time, and inherent risks. The success of our business may also depend, in part, on the performance and operations of third-party digital manufacturing hardware and material providers and their suppliers, over which we do not have control. We cannot assure you that our efforts in securing collaboration and commercial relationships will be successful or that we will achieve the anticipated benefits of our collaboration.

Our failure to meet our customers’ speed and quality expectations would adversely affect our business and results of operations.

We believe many of our customers are facing increased pressure from global competitors to be first to market with their finished products, often resulting in a need for quick turnaround of custom parts. We believe our ability to quickly quote, manufacture, and ship high-quality custom parts has been an important factor in our results to date. There are no

guarantees we will be able to meet customers' increasing expectations regarding quick turnaround time and quality, especially as we increase the scope of our operations. If we fail to meet our customers' expectations in any given period, our business and results of operations will likely be adversely affected.

Our customers are often price sensitive and if our pricing algorithm produces pricing that fails to meet our customers' price expectations or insufficiently accounts for our costs to deliver our offerings, our business and results of operations may be adversely affected.

Demand for our services is sensitive to price. We believe our competitive pricing has been an important factor in our results to date. Therefore, changes in our pricing strategies can have a significant impact on our business and ability to generate revenue. Many factors, including our production and personnel costs and our competitors' pricing and marketing strategies, can significantly impact our pricing strategies. We use algorithms to determine how to price customer orders. We may encounter technical obstacles, and it is possible that we may discover additional problems that prevent our proprietary algorithms from operating properly.

If we fail to meet our customers' price expectations in any given period, demand for our offerings could decline. If our pricing algorithms do not function reliably, we may incorrectly price offerings for our customers, which could result in loss and cancellation of orders and customer dissatisfaction or cause projects to lose money.

Any of these events could result in a material and adverse effect on our business, results of operations, and financial condition.

Sales efforts to large customers involve risks that may not be present or that are present to a lesser extent with respect to sales to smaller organizations.

We have invested, and plan to continue to invest, in increasing our customer focus towards middle market and enterprise opportunities. Sales to large customers involve risks that may not be present or that are present to a lesser extent with sales to smaller organizations, such as longer sales cycles, more complex customer requirements, substantial upfront sales costs, less predictability in completing some of our sales, and extended payment terms. A number of factors influence the length and variability of our sales cycle, including the need to educate potential customers about the uses and benefits of our platform, the lengthier amount of time for large customers to evaluate and test our platform prior to making a purchase decision and placing an order, the discretionary nature of purchasing and budget cycles, and the competitive nature of evaluation and purchasing approval processes. As a result, the length of our sales cycle, from identification of the opportunity to deal closure, may vary significantly from customer to customer, with sales to large enterprises typically taking longer to complete. Moreover, larger organizations may demand more customization, which would increase our upfront investment in the sales effort with no guarantee that these customers will deploy our products widely enough across their organization to justify our substantial upfront investment. A portion of these customers may purchase our services on payment terms, requiring us to assume a credit risk for non-payment in the ordinary course of business. If we fail to effectively manage these risks associated with sales to large customers, our business, financial condition, and results of operations may be affected.

We derive a significant portion of our revenue from business conducted outside the U.S. and are subject to the risk of doing business outside the United States.

We manufacture offerings for customers in more than 180 countries around the world, and we derive a substantial percentage of our sales from these international markets. We also operate manufacturing facilities in the United States and the Netherlands, have supply chain partners that extend internationally, and deliver to customers in over 180 countries. During the nine months ended September 30, 2022, we derived approximately 34% of our revenue from countries outside the United States. Accordingly, we face significant operational risks from doing business internationally.

Risks and uncertainties we face from our global operations include:

- difficulties in staffing and managing foreign operations;
- limited protection for the enforcement of contract and intellectual property rights in certain countries where we may sell our offerings or work with suppliers or other third parties;
- potentially longer sales and payment cycles and potentially greater difficulties in collecting accounts receivable;
- foreign currency exchange risk;
- costs and difficulties of customizing offerings for foreign countries;

- challenges in providing solutions across a significant distance, in different languages, and among different cultures;
- laws and business practices favoring local competition;
- being subject to a wide variety of complex foreign laws, treaties, and regulations and adjusting to any unexpected changes in such laws, treaties, and regulations;
- specific and significant regulations, including the European Union’s General Data Protection Regulation, or GDPR, which imposes compliance obligations on companies who possess and use data of EU residents;
- uncertainty and resultant political, financial and market instability arising from market disruptions in the United Kingdom and Europe;
- compliance with U.S. laws affecting activities of U.S. companies abroad, including the U.S. Foreign Corrupt Practices Act;
- tariffs, trade barriers, sanctions, and other regulatory or contractual limitations on our ability to sell or develop our offerings in certain foreign markets;
- operating in countries with a higher incidence of corruption and fraudulent business practices;
- changes in regulatory requirements, including export controls, tariffs and embargoes, other trade restrictions, competition, corporate practices, and data privacy concerns;
- supply chain disruptions, which may be exacerbated by the conflict between Russia and Ukraine and the ongoing COVID-19 pandemic;
- potential adverse tax consequences arising from global operations;
- seasonal reductions in business activity in certain parts of the world, particularly during the summer months in Europe;
- rapid changes in government, economic, and political policies and conditions; and
- political or civil unrest or instability, regional or larger scale conflicts or geo-political actions, including war or other military conflicts (such as the conflict between Russia and Ukraine), terrorism or epidemics, and other similar outbreaks or events.

In addition, digital manufacturing has been identified by the U.S. government as an emerging technology and is currently being further evaluated for national security impacts. We expect additional regulatory changes to be implemented that will result in increased and/or new export controls related to digital manufacturing technologies and related materials and software. These changes, if implemented, may result in our being required to obtain additional approvals to deliver our services in the global market.

Our failure to effectively manage the risks and uncertainties associated with our global operations could limit the future growth of our business and adversely affect our business and operating results.

Our growth strategy includes exploring strategic partnerships, and we may not be able to establish or maintain such strategic partnerships on terms favorable to us or at all.

Our growth strategy includes exploring strategic partnerships in order to maximize our potential. On March 26, 2021, we entered into a non-binding Memorandum of Understanding (“MOU”) with Desktop Metal, to establish a multi-year strategic commercial partnership. Pursuant to our MOU, Desktop Metal agreed to invest \$20.0 million in the PIPE Investment (as defined in note 1 to our unaudited condensed consolidated financial statements included elsewhere in this Report). In connection with this investment, we were obligated to purchase \$20.0 million of equipment, materials and services from Desktop Metal. As of September 30, 2022, we paid \$16.3 million to Desktop Metal for equipment, materials and services received and placed purchase orders for another \$3.7 million of equipment, materials and services to be purchased under the MOU. The timing of payments for these purchase orders may depend on a number of factors, including Desktop Metal’s inventory management and logistics systems and our ability to take delivery of any such equipment, materials and services. While we have no further obligations under the MOU, we have entered into a strategic partnership with Desktop Metal to gain access to Desktop Metal’s additive manufacturing hardware technology, solutions and resources to accelerate our manufacturing capabilities to include an industrial metal offering. We expect this strategic partnership to benefit our customers and our business, however we cannot be certain if such strategic partnership will be commercially successful.

We may require additional capital to support business growth, and this capital might not be available on acceptable terms, if at all. If we are unable to raise additional capital, our financial condition could be adversely affected and we may not be able to execute our growth strategy.

We intend to continue to make investments to support our business growth and may require additional funds to respond to business challenges and opportunities, including the need to develop new features or enhance our offerings, improve our operating infrastructure, or acquire complementary businesses and technologies. Accordingly, we may need to engage in equity or debt financings to secure additional funds if our existing sources of cash and any funds generated from operations do not provide us with sufficient capital. If we raise funds through future issuances of equity or convertible debt securities, our existing stockholders could suffer significant dilution, and any new equity securities we issue could have rights, preferences and privileges superior to those of holders of our common stock. Any debt financing that we may secure in the future could involve restrictive covenants relating to our capital raising activities and other financial and operational matters, which may make it more difficult for us to obtain additional capital and to pursue business opportunities, including potential acquisitions. We may not be able to obtain financing on terms favorable to us, if at all. If we are unable to obtain adequate financing or financing on terms satisfactory to us when we require it, our ability to continue to support our business growth and to respond to business challenges and opportunities could be significantly impaired, and our business may be adversely affected.

As part of our growth strategy, we may continue to acquire or make investments in other businesses, patents, technologies, products, or services. We may not realize the anticipated benefits of such investments and integration of these investments may disrupt our business and divert management attention.

Our business strategy includes growing our business through acquisitions. We may not be able to successfully identify attractive acquisition opportunities or consummate any such acquisitions if we cannot reach an agreement on commercially favorable terms, if we lack sufficient resources to finance the transaction on our own and cannot obtain financing at a reasonable cost, or if regulatory authorities prevent such transaction from being consummated. To date, we have consummated a limited number of acquisitions, and our relative lack of experience may adversely affect the success of future acquisitions. In addition, competition for acquisitions in the markets in which we operate during recent years has increased, and may continue to increase, which may result in an increase in the costs of acquisitions or cause us to refrain from making certain acquisitions.

If we do complete future acquisitions, we cannot assure you that they will ultimately strengthen our competitive position or that they will be viewed positively by customers, financial markets, or investors. Furthermore, acquisitions could pose numerous additional risks to our operations, including:

- diversion of management's attention from their day-to-day responsibilities;
- unanticipated costs or liabilities associated with the acquisition;
- incurrence of acquisition-related costs, which would be recognized as a current period expense;
- problems integrating the purchased business, products or technologies;
- challenges in achieving strategic objectives, cost savings and other anticipated benefits;
- inability to maintain relationships with key customers, suppliers, vendors and other third parties on which the purchased business relies;
- the difficulty of incorporating acquired technology and rights into our platform and of maintaining quality and security standards consistent with our brand;
- difficulty in maintaining controls, procedures, and policies during the transition and integration;
- challenges in integrating the new workforce and the potential loss of key employees, particularly those of the acquired business; and
- use of substantial portions of our available cash or the incurrence of debt to consummate the acquisition.

If we proceed with a particular acquisition, we may have to use cash, issue new equity securities with dilutive effects on existing stockholders, incur indebtedness, assume contingent liabilities, or amortize assets or expenses in a manner that might have a material adverse effect on our financial condition and results of operations. Acquisitions require us to record certain acquisition-related costs and other items as current period expenses, which would have the effect of reducing our reported earnings in the period in which an acquisition is consummated. In addition, we could face unknown

liabilities or write-offs due to our acquisitions, which could result in a significant charge to our earnings in the period in which they occur. We are also required to record goodwill or other long-lived asset impairment charges (if any) in the periods in which they occur, which could result in a significant charge to our earnings in any such period.

Achieving the expected returns and synergies from acquisitions will depend, in part, upon our ability to integrate the products and services, technology, administrative functions, and personnel of these businesses into our offering lines in an efficient and effective manner, and to retain the customers of acquired companies. We cannot assure you that we will be able to do so, that any acquired businesses will perform at the levels and on the timelines anticipated by our management, or that we will be able to obtain these synergies. In addition, acquired technologies and intellectual property may be rendered obsolete or uneconomical by our own or our competitors' technological advances. Management resources may also be diverted from operating our existing businesses to certain acquisition integration challenges. If we are unable to successfully integrate acquired businesses, our anticipated revenues and profits may be lower. Our gross margins may also be lower, or diluted, following the acquisition of companies whose gross margins are lower than those of our existing business.

Global economic conditions may harm our ability to do business, increase our costs and negatively affect our stock price.

Our performance depends on the financial health and strength of our customers, which in turn is dependent on the economic conditions of the markets in which we and our customers operate. The recent declines in the global economy, volatility in the financial services sector and credit markets, continuing geopolitical uncertainties, increasing inflation and other macroeconomic factors all affect the spending behavior of potential customers.

We also face risks from financial difficulties or other uncertainties experienced by our suppliers, distributors, or other third parties on which we rely. If third parties are unable to supply us with required materials or otherwise assist us in operating our business, our business could be harmed.

For example, the conflict between Russia and Ukraine, the possibility of a trade war or other conflict between the United States and China, the ongoing impact of the COVID-19 pandemic and other supply and labor disruptions may directly or indirectly impact our operations by increasing the cost of raw materials, finished products, or other materials used in our offerings and impeding our ability to sell our offerings in Europe and China. Other changes in U.S. social, political, regulatory, and economic conditions or in laws and policies governing foreign trade, manufacturing, development, and investment could also adversely affect our business. We could experience interruptions in production due to the processing of customs formalities or reduced customer spending in the wake of weaker economic performance. If global economic conditions remain volatile for a prolonged period, our results of operations could be adversely affected.

Errors or defects in our software or products we manufacture could cause us to incur additional costs, lose revenue and business opportunities, damage our reputation and expose us to potential liability.

Sophisticated software and complex manufactured products may contain errors, defects, or other performance problems at any point in the life of the product. If errors or defects are discovered in our current or future software or in the products we manufacture for customers, we may not be able to correct them in a timely manner, or provide an adequate response to our customers. We may therefore need to expend significant financial, technical, and management resources, or divert some of our development resources, in order to resolve or work around those defects. We may also experience an increase in our service and warranty costs. Particularly in the medical sector, errors or defects in our software or products could lead to claims by patients against us and our customers and expose us to lawsuits that may damage our and our customers' reputations. Claims may be made by individuals or by classes of users. Our product liability and related insurance policies may not apply or sufficiently cover any product liability lawsuit that arises from defective software or products. Customers such as our collaboration partners may also seek indemnification for third party claims allegedly arising from breaches of warranties under our collaboration agreements.

Errors, defects or other performance problems in our software or products we manufacture may also result in the loss of, or delay in, the market acceptance of our platform and digital manufacturing services. Such difficulties could also cause us to lose customers and, particularly in the case of our largest customers, the potentially substantial associated revenue which would have been generated by our sales to companies participating in our customer's supply chain. Technical problems, or the loss of a customer with a particularly important global reputation, could also damage our own business reputation and cause us to lose new business opportunities.

Workplace accidents or environmental damage could result in substantial remedial obligations and damage to our reputation.

Accidents or other incidents that occur at our manufacturing service centers and other facilities or involve our personnel or operations could result in claims for damages against us. In addition, in the event we are found to be financially responsible, as a result of environmental or other laws or by court order, for environmental damages alleged to have been caused by us or occurring on our premises, we could be required to pay substantial monetary damages or undertake expensive remedial obligations. The amount of any costs, including fines or damages payments that we might incur under such circumstances could substantially exceed any insurance we have to cover such losses. Any of these events, alone or in combination, could have a material adverse effect on our business, financial condition, and results of operations and could adversely affect our reputation.

We have significant customer concentration, with our largest customer accounting for a substantial portion of our revenue.

Our largest customer accounted for approximately 20% of our revenue for the nine months ended September 30, 2022. Our future operating results will be affected by both the success of our largest customer and our success in diversifying our products and customer base. If demand for our largest customer's products increases, our results are favorably impacted, while if demand for their products decreases, they may reduce their purchases of, or stop purchasing, our services and our operating results would suffer. While we currently have exclusivity arrangements for a limited time period with our largest customer with respect to such customer's use of third parties for 3D printing, such exclusivity does not preclude the customer insourcing 3D printing capabilities or leveraging other technologies to manufacture their products, which may cause us to lose such customer's business. The loss of our largest customer and failure to add new customers to replace lost revenue would have a material adverse effect on our business, financial condition and results of operations. In addition, should this large customer default in their obligation to pay, our results of operations and cash flows could be adversely affected.

If our manufacturing facilities are disrupted, we may be unable to fulfill customer orders, which could have an adverse effect on our results of operations.

We have historically had manufacturing service centers in Eindhoven, the Netherlands and, Long Island City, New York. In connection with the acquisition of Linear in May 2022, we assumed the leases for two additional manufacturing facilities in Livonia, Michigan and Charlotte, Michigan. If the operations of these facilities are materially disrupted, whether by fires or other industrial accidents, extreme weather, natural disasters, labor stoppages, acts of terror, war or other military conflict (such as the conflict between Russia and Ukraine), consequences owing to the COVID-19 pandemic, or otherwise, we may be unable to fulfill customer orders for the period of the disruption or need to shift orders to another facility, we would not be able to recognize revenue on unfulfilled orders, we could suffer damage to our reputation, and we might need to modify our standard sales terms to secure the commitment of new customers during the period of the disruption and perhaps longer. Depending on the cause of the disruption, we could incur significant costs to remedy the disruption and resume operations. These delays could be lengthy and costly. If any of our third-party contract manufacturers', suppliers' or customers' facilities are negatively impacted by such a disaster, production, shipment of products could also be delayed. Even if we are able to respond quickly to a disruption at our or any third-party facilities, the continued effects of the disaster could create uncertainty in our business operations.

Our lease of our manufacturing facility in New York will expire on January 31, 2023. We do not intend to renew this lease, and plan to house our production of products currently made at our existing facility in New York in our newly acquired facility in Livonia, Michigan. We began to move equipment into the Michigan facility in September 2022, started parallel production in October 2022, and currently plan to complete a full transition to the Michigan facility by the end of December 2022. However, due to risks attendant with the new production facility, we may not achieve the cost savings, increased production capacity or other benefits that we anticipate from moving manufacturing operations to a less expensive facility. Additionally, we will incur costs in connection with departures of certain employees that currently work in our existing facility in New York, including costs in connection with bonuses to be paid to certain employees who have agreed to stay employed by us for a period of time before they depart.

In particular, unforeseen delays may negatively impact our scheduled move and could cause us to incur additional costs. Furthermore, we must transport certain large and complex equipment, which could be delayed or damaged in transit, causing us to experience delay or incur additional costs. Even if we successfully move our manufacturing operations, there is no assurance that the cost savings and efficiencies and improved production capacity we anticipate will be achieved,

particularly if we are unable to successfully start-up, commission and integrate the relocated manufacturing operations, or we experience unforeseen or contingent liabilities of the relocated manufacturing operations. In addition, at the new facilities, we must hire and train our workforce to manage and use new production techniques and equipment layouts, and operate the equipment in the new setting, creating the potential for further delays, additional costs and potential quality control issues. As a result, we may face difficulties in implementing and maintaining consistent production standards, volumes, controls, procedures, policies and information systems. As the facilities ramp up production, we may be unable to obtain certain necessary or desirable customer or other certifications if we experience significant quality control issues.

Such delays, costs and challenges attendant with new production facilities and techniques could result in the distraction of management and general business disruption, costly delays, product quality issues or even supply shortages, any of which could adversely affect our operational and financial results and our reputation with our customers.

We could experience unforeseen difficulties in building and operating key portions of our manufacturing infrastructure.

We have designed and built our own manufacturing operations and other key portions of our technical infrastructure through which we manufacture products for customers, and we plan to continue to expand the size of our infrastructure through expanding our digital manufacturing facilities, including through our transition to our newly acquired facility in Michigan. The infrastructure expansion we may undertake may be complex, and unanticipated delays in the completion of these projects or availability of materials may lead to increased project costs, operational inefficiencies, or interruptions in the delivery or degradation of the quality of our products.

Our business depends in part on our ability to process a large volume of new part designs from a diverse group of customers and successfully identifying significant opportunities for our business based on those submissions.

We believe the volume of new part designs we process and the size and diversity of our customer base give us valuable insight into the needs of our prospective customers. We utilize this industry knowledge to determine where we should focus our development resources. If the number of new part designs we process or the size and diversity of our customer base decrease, our ability to successfully identify significant opportunities for our business and meet the needs of current and prospective customers could be negatively impacted. In addition, even if we do continue to process a large number of new part designs and work with a significant and diverse customer base, there are no guarantees that any industry knowledge we extract from those interactions will be successfully utilized to help us identify significant business opportunities or better understand the needs of current and prospective customers.

Interruptions, delays in service or inability to increase capacity, including internationally, at third-party data center facilities could adversely affect our business and reputation.

Our business, brand, reputation, and ability to attract and retain customers depend upon the satisfactory performance, reliability, and availability of our platform, which in turn, with respect to our software as a service ("SaaS") offering, OTTO, depend upon the availability of the internet and our third-party service providers. We rely on third party data center facilities operated by Digital Realty in the United States and EcoRacks in Eindhoven to host our main servers. In addition to Digital Realty and EcoRacks, some of our servers are housed by data centers operated by Amazon Web Services ("AWS"). Our main servers are nearing maximum capacity under our existing contracts with Digital Realty and EcoRacks. To increase server capacity to meet the market demand for our platform, we are in the process of migrating all of our data storage housed by data centers operated by cloud-based infrastructure services with AWS, which we expect to complete in the first half of 2023.

As we continue to migrate our existing third-party data centers to cloud-based infrastructure services, we may experience difficulties such as loss or corruption of data, service interruptions and downtime, increased cyber threats and activity, and unanticipated expenses, including increased costs of implementation. Difficulties in implementing or an inability to effectively implement our migration plans could disrupt our operations and harm our business. As we increase our reliance on cloud-based infrastructure services, our products and services will become increasingly reliant on continued access to, and the continued stability, reliability, and flexibility of, AWS' cloud-based infrastructure. We may in the future be unable to secure additional cloud hosting capacity on commercially reasonable terms or at all. If AWS increases its pricing terms, terminates or seeks to terminate our contractual relationship or changes or interprets their terms of service or policies in a manner that is unfavorable, we may be required to transfer to another provider and may incur significant costs and experience service interruptions.

We do not control the operation of any third-party data center hosting facilities, and they may be subject to damage or interruption from earthquakes, floods, fires, power loss, telecommunications failures, terrorist attacks, war or

other military conflict, and similar events. They may also be subject to interruptions due to system failures, computer viruses, software errors, or subject to breaches of computer hardware and software security, break-ins, sabotage, intentional acts of vandalism, and similar misconduct. And while we rely on service level agreements with our hosting providers, if they do not properly maintain their infrastructure or if they incur unplanned outages, our customers may experience performance issues or unexpected interruptions and we may not meet our service level agreement terms with our customers. We have experienced, and expect that in the future we may experience interruptions, delays, and outages in service and availability from time to time due to a variety of factors, including infrastructure changes, human or software errors, website hosting disruptions, and capacity constraints. These and other similar events beyond our control could negatively affect the use, functionality, or availability of our services.

Any damage to, or failure of, our systems, or those of our third-party providers, could interrupt or hinder the use or functionality of our services. Impairment of or interruptions in our services may reduce revenue, subject us to claims and litigation, cause customers to terminate their contracts, and adversely affect our ability to attract new customers. Our business will also be harmed if customers and potential customers believe our services are unreliable.

Interruptions to or other problems with our website user interface, information technology systems, manufacturing processes, or other operations could damage our reputation and brand and substantially harm our business and results of operations.

The satisfactory performance, reliability, consistency, security, and availability of our websites and interactive user interface, information technology systems, manufacturing processes, and other operations are critical to our reputation and brand, and our ability to effectively service customers. Any interruptions or other problems that cause any of our websites, interactive user interface, or information technology systems to malfunction or be unavailable, or negatively impact our manufacturing processes or other operations, may damage our reputation and brand, result in lost revenue, cause us to incur significant costs seeking to remedy the problem, and otherwise substantially harm our business and results of operations.

A number of factors or events could cause such interruptions or problems, including among others: human and software errors, design faults, challenges associated with upgrades, changes or new facets of our business, power loss, telecommunication failures, fire, flood, extreme weather, political instability, acts of terrorism, war or other military conflict, break-ins and security breaches, contract disputes, labor strikes and other workforce related issues, capacity constraints due to an unusually large number of customers accessing our websites or ordering parts at the same time, and other similar events. In addition, due to the conflict between Russia and Ukraine, there is an increased likelihood that escalation of tensions could result in cyberattacks that could either directly or indirectly impact our operations. These risks are augmented by the fact that our customers come to us largely for our quick-turn manufacturing capabilities and that accessibility and turnaround speed are often of critical importance to these customers. We are dependent upon our facilities through which we satisfy all of our production demands and in which we house all of the computer hardware necessary to operate our websites and systems as well as managerial, customer service, sales, marketing, and other similar functions, and we have not identified alternatives to these facilities or established fully redundant systems in multiple locations. In addition, we are dependent in part on third parties for the implementation and maintenance of certain aspects of our communications and production systems, and therefore preventing, identifying, and rectifying problems with these aspects of our systems is to a large extent outside of our control.

Moreover, the business interruption insurance that we carry may not be sufficient to compensate us for the potentially significant losses, including the potential harm to the future growth of our business that may result from interruptions in our service as a result of system failures.

If we are unable to retain existing customers, sell additional services to our existing customers, or attract new customers, our revenue growth will be adversely affected.

To increase our revenue, we must retain existing customers, convince them to expand their use of our solutions across their organizations and for a variety of use cases, and expand their purchasing on terms favorable to us. We may not meet our customers' expectations. We experienced a decline in our customer count during each of the three months ended June 30, 2022 and September 30, 2022, and it is uncertain whether such decline is temporary. If we are not able to renew our agreements with existing customers or attract new business from existing customers on favorable terms, this could have an adverse effect on our business, revenue, gross margins, and other operating results. The rate at which our customers purchase new or enhanced solutions from us, as well as the expansion of use of our solutions across organizations, depend on a number of factors, including general economic conditions, customer specific conditions, competitive pricing, integration with existing technologies, and satisfaction and market acceptance of our platform generally. If our efforts to sell additional solutions to our customers are not successful, our business and growth prospects may suffer. Additionally, our future revenue depends in part on our ability to turn our pipeline customers into actual customers. Pipeline customers may fail to accept our offerings, choose our competitors' offerings, or otherwise not turn into customers. If we are not able to turn pipeline or other prospective customers into customers, or customers that provide significant revenues, our business and growth prospects could be adversely affected.

The loss of one or more key members of our management team or personnel could harm our business.

We believe our success has depended, and continues to depend, on the efforts and talents of our senior management and other key personnel, including, in particular, our executive officers. Our executive team is critical to the management of our business and operations, as well as to the development of our strategy. Members of our senior management team may resign at any time. The loss of the services of any members of our senior management team could delay or prevent the successful implementation of our strategy or our commercialization of new applications for our systems or other offerings, or could otherwise adversely affect our ability to manage our company effectively and carry out our business plan. Two of our senior executives have left the company in 2022, and there is no assurance that if any senior executive leaves in the future, we will be able to rapidly replace him or her and transition smoothly towards his or her successor, without any adverse impact on our operations.

In particular, the loss of the services of Greg Kress, our Chief Executive Officer, could severely damage our business and prospects for growth. Mr. Kress is subject to a non-competition agreement and a proprietary information and inventions agreement which include restrictive covenants. We cannot assure you that if Mr. Kress were to breach these restrictive covenants a court would enforce them and enjoin him from engaging in activities in violation thereof. The loss of Mr. Kress' services could delay or prevent the successful implementation of our strategy or our commercialization of new applications for our systems or other offerings, or could otherwise adversely affect our ability to manage our company effectively and carry out our business plan, and consequently could have a materially adverse effect on our business, results of operations and financial condition.

Our current levels of insurance may not be adequate for our potential liabilities.

We maintain insurance to cover our potential exposure for most claims and losses, including potential product and non-product related claims, lawsuits, and administrative proceedings seeking damages or other remedies arising out of our commercial operations. However, our insurance coverage is subject to various exclusions, self-retentions, and deductibles. We may be faced with types of liabilities that are not covered under our insurance policies, such as environmental contamination or terrorist attacks, or that exceed our policy limits. Even a partially uninsured claim of significant size, if successful, could have an adverse effect on our financial condition.

In addition, we may not be able to continue to obtain insurance coverage on commercially reasonable terms, or at all, and our existing policies may be cancelled or otherwise terminated by the insurer. Maintaining adequate insurance and successfully accessing insurance coverage that may be due for a claim can require a significant amount of our management's time, and we may be forced to spend a substantial amount of money in that process.

The COVID-19 pandemic has adversely affected our business and results of operations. The duration and extent to which it will continue to adversely impact our business and results of operations remains uncertain and could be material.

The COVID-19 pandemic has resulted in a widespread public health crisis and numerous disease control measures being taken to limit its spread. These measures have materially impacted and may continue to impact our workforce and operations, the operations of our customers, and those of our respective vendors and suppliers. We have significant operations worldwide, including in the United States and Netherlands, and each of these geographies has been affected by the outbreak and its variants and has taken measures to try to contain it, and further disruptions could occur in the future and any such disruptions could materially adversely affect our business. The impact of the pandemic on our business has included and could in the future include:

- disruptions to or restrictions on our ability to ensure the continuous provision of our manufacturing services and solutions;
- temporary closures or reductions in operational capacity of our or third party manufacturing facilities;
- reductions in our capacity utilization levels;
- temporary closures of our direct and indirect suppliers, resulting in adverse effects to our supply chain, and other supply chain disruptions (which may be exacerbated by war or other military conflict), which adversely affect our ability to procure sufficient inventory to support customer orders;
- temporary shortages of skilled employees available to staff manufacturing facilities due to shelter-in-place orders and travel restrictions within as well as into and out of countries;
- restrictions or disruptions of transportation, such as reduced availability of air transport, port closures, and increased border controls or closures;
- increases in operational expenses and other costs related to requirements implemented to mitigate the impact of the pandemic;
- delays or limitations on the ability of our customers to perform or make timely payments;
- reductions in short- and long-term demand for our manufacturing services and solutions, or other disruptions in technology buying patterns;
- workforce disruptions due to illness, quarantines, governmental actions, other restrictions, and/or the social distancing measures we have taken to mitigate the impact of COVID-19 at our locations around the world in an effort to protect the health and well-being of our employees, customers, suppliers, and of the communities in which we operate (including working from home, restricting the number of employees attending events or meetings in person, limiting the number of people in our buildings and factories at any one time, further restricting access to our facilities and suspending employee travel); and
- our management team continuing to commit significant time, attention, and resources to monitoring the COVID-19 pandemic and seeking to mitigate its effects on our business and workforce.

The global spread of COVID-19 and its variants also has created significant macroeconomic uncertainty, volatility, and disruption, which may adversely affect our and our customers' and suppliers' liquidity, cost of capital, and ability to access the capital markets. Even after the COVID-19 pandemic has subsided, we may continue to experience adverse impacts to our business as a result of the pandemic's global economic impact, including any recession, economic downturn, government spending cuts, tightening of credit markets, or increased unemployment that has occurred or may occur in the future, which could cause our customers and potential customers to postpone or reduce spending on our manufacturing services and solutions.

Our actual results may be significantly different from our projections, estimates, targets, or forecasts.

Any projections, estimates, targets, and forecasts we may provide from time to time are forward-looking statements that are based on assumptions that are inherently subject to significant uncertainties and contingencies, many of which are beyond our control. While all projections, estimates, targets and forecasts are necessarily speculative, we believe that the preparation of prospective financial information involves increasingly higher levels of uncertainty the further out the projection, estimate, target, or forecast extends from the date of preparation. The assumptions and estimates underlying the projected, expected, or target results are inherently uncertain and are subject to a wide variety of significant business, economic, regulatory and competitive risks and uncertainties that could cause actual results to differ materially from those contained in such projections, estimates, targets and forecasts. Our projections, estimates, targets and forecast should not be

regarded as an indication that Shapeways or its representatives, considered or consider the financial projections, estimates, targets to be a reliable prediction of future events.

Risks Related to Our Industry

If demand for our services does not grow as expected, or if market adoption of digital manufacturing does not continue to develop, or develops more slowly than expected, our revenues may stagnate or decline, and our business may be adversely affected.

The industrial manufacturing market, which today is dominated by conventional manufacturing processes that do not involve digital manufacturing technology, is undergoing a shift towards digital manufacturing. We may not be able to develop effective strategies to raise awareness among potential customers of the benefits of digital manufacturing technologies or our offerings may not address the specific needs or provide the level of functionality required by potential customers to encourage the continuation of this shift towards digital manufacturing. If digital manufacturing technology does not continue to gain broader market acceptance as an alternative to conventional manufacturing processes, or if the marketplace adopts digital manufacturing technologies developed by our competitors, we may not be able to increase or sustain the level of sales of our services, and our operating results would be adversely affected as a result.

We could face liability if our digital manufacturing solutions are used by our customers to print dangerous objects.

Customers may use our digital manufacturing systems to print parts that could be used in a harmful way or could otherwise be dangerous. For example, there have been news reports that 3D printers were used to print guns or other weapons. We have little, if any, control over what objects our customers print using our offerings, and it may be difficult, if not impossible, for us to monitor and prevent customers from printing weapons with our services. There can be no assurance that we will not be held liable if someone were injured or killed by a weapon or other dangerous object containing a component part or parts manufactured for a customer using one of our offerings.

Risks Related to Intellectual Property and Infrastructure

We may incur substantial costs enforcing or acquiring intellectual property rights and defending against third-party claims as a result of litigation or other proceedings. Our failure to expand our intellectual property portfolio could adversely affect the growth of our business and results of operations.

We may incur substantial expense and costs in protecting, enforcing, and defending our intellectual property rights against third parties. Intellectual property disputes may be costly and can be disruptive to our business operations by diverting attention and energies of management and key technical personnel and by increasing our costs of doing business. Third-party intellectual property claims asserted against us could subject us to significant liabilities, require us to enter into royalty and licensing arrangements on unfavorable terms, prevent us from providing our services to our customers, subject us to injunctions prohibiting or restricting our sale of our services, or require us to redesign our services, causing severe disruptions to our operations or the marketplaces in which we compete or require us to satisfy indemnification commitments with our customers, including contractual provisions under various license arrangements. In addition, we may incur significant costs in acquiring the necessary third-party intellectual property rights for use in our offerings. Any of these could have an adverse effect on our business and financial condition.

Patent applications in the United States and most other countries are confidential for a period of time until they are published, and the publication of discoveries in scientific or patent literature typically lags actual discoveries by several months or more. As a result, the nature of claims contained in unpublished patent filings around the world is unknown to us, and we cannot be certain that we were the first to conceive inventions covered by our patents or patent applications or that we were the first to file patent applications covering such inventions. Furthermore, it is not possible to know in which countries patent holders may choose to extend their filings under the Patent Cooperation Treaty or other mechanisms.

In addition, we may be subject to intellectual property infringement claims from individuals, vendors and other companies, including those that are in the business of asserting patents, but are not commercializing products or services in the field of digital manufacturing, or our customers may seek to invoke indemnification obligations to involve us in such intellectual property infringement claims. Furthermore, although we maintain certain procedures to screen items we manufacture on behalf of customers for infringement on the intellectual property rights of others, we cannot be certain that our procedures will be effective in preventing any such infringement. Any third-party lawsuits or other assertion to which

we are subject, alleging infringement of trademarks, patents, trade secrets or other intellectual property rights either by us or by our customers may have a significant adverse effect on our financial condition.

We may not be able to adequately protect or enforce our intellectual property rights, which could impair our competitive position.

Our success and future revenue growth will depend, in part, on our ability to protect our intellectual property. We rely primarily on patents, licenses, trademarks, and trade secrets, as well as non-disclosure agreements and other methods, to protect our proprietary technologies and processes globally. Despite our efforts to protect our proprietary technologies and processes, it is possible that competitors or other unauthorized third parties may obtain, copy, use, or disclose our technologies and processes or invent around our patents. We cannot assure you that any of our existing or future patents will not be challenged or invalidated in court or patent office proceedings that could be time-consuming, expensive, and distract us from the operating our business. In addition, competitors could circumvent our patents by inventing around them. As such, any rights granted under these patents may not provide us with meaningful protection. We may not be able to obtain foreign patents corresponding to our United States patents. Even if foreign patents are granted, effective enforcement in foreign countries may not be available. If our patents and other intellectual property do not adequately protect our technology, our competitors may be able to offer services similar to ours. Our competitors may also be able to develop similar technology independently or design around our patents. Any of the foregoing events would lead to increased competition and lower revenue or gross margin, which would adversely affect our business and results of operation.

Our digital manufacturing software contains third-party open-source software components. Our use of such open-source software may expose us to additional risks and harm our intellectual property and failure to comply with the terms of the underlying open-source software licenses could restrict our ability to sell our offerings.

Our digital manufacturing software contains components that are licensed under so-called “open source,” “free,” or other similar licenses. Open source software is made available to the general public on an “as-is” basis under the terms of a non-negotiable license. We currently combine our proprietary software with open source software, but not in a manner that we believe requires the release of the source code of our proprietary software to the public. We do not plan to integrate our proprietary software with open source software in ways that would require the release of the source code of our proprietary software to the public; however, our use and distribution of open source software may entail greater risks than use of third-party commercial software. Open source licensors generally do not provide warranties or other contractual protections regarding infringement claims or the quality of the code. In addition, if we combine our proprietary software with open source software in a certain manner, we could, under certain open source licenses, be required to release to the public or remove the source code of our proprietary software. In line with what we believe is standard practice among technology companies, we leverage open source software in the development of our internal software. Open source software is commonly used as a foundation which we develop upon, allowing us to customize the software based on our specific needs. This enables faster development of software, with higher quality, supported by a larger community of developers. We may also face claims alleging noncompliance with open source license terms or infringement or misappropriation of proprietary software. These claims could result in litigation, require us to purchase a costly license, or remove the software. In addition, if the license terms for open source software that we use change, we may be forced to re-engineer our solutions, incur additional costs, or discontinue the sale of our offerings if re-engineering could not be accomplished on a timely basis. Although we monitor our use of open source software to avoid subjecting our offerings to unintended conditions, there is a risk that these licenses could be construed in a way that could impose unanticipated conditions or restrictions on our ability to commercialize our offerings. We cannot guarantee that we have incorporated open source software in our software in a manner that will not subject us to liability or in a manner that is consistent with our current policies and procedures.

We store confidential customer information in our systems that, if breached or otherwise subjected to unauthorized access, may harm our reputation or brand or expose us to liability.

Our system stores, processes, and transmits our customers’ confidential information, including the intellectual property in their part designs, credit card information, and other sensitive data. We rely on encryption, authentication, and other technologies licensed from third parties, as well as administrative and physical safeguards, to secure such confidential information. Any compromise of our information security could damage our reputation and brand and expose us to a risk of loss, costly litigation, and liability that would substantially harm our business and operating results. We may not have adequately assessed the internal and external risks posed to the security of our company’s systems and information and may not have implemented adequate preventative safeguards or take adequate reactionary measures in the event of a

security incident. During times of war and other major conflicts, we and the third parties upon which we rely may be vulnerable to a heightened risk of these incidents, including cyber-attacks, which could materially disrupt our systems and operations, supply chain, and ability to produce and sell our products and services. We utilize third-party service providers to host, transmit, or otherwise process electronic data in connection with our business. We or our third-party service providers may experience social-engineering attacks, malicious code, malware, denial-of-service attacks, unavailable systems, unauthorized access or disclosure due to employee or other theft, misconduct or misuse, sophisticated attacks by nation-state and nation-state supported actors, advanced persistent threat intrusions, ransomware attacks, supply-chain attacks, software bugs, server malfunctions, software or hardware failures, loss of data or other information technology assets, adware, telecommunications failures, and other similar threats. Future or past business transactions (such as acquisitions) could expose us to additional cybersecurity risks and vulnerabilities, as our systems could be negatively affected by vulnerabilities present in acquired entities' systems and technologies.

While we and our third-party service providers have implemented a number of security measures designed to protect against security breaches, these measures could fail or may be insufficient, resulting in the unauthorized disclosure, modification, misuse, unavailability, destruction, or loss of our or our customers' or employees' data or other sensitive information. A security incident or other interruption could disrupt the ability to provide our platform. We may be unable to detect vulnerabilities in our information technology systems because such threats and techniques change frequently, are often sophisticated in nature, and may not be detected until after a security incident has occurred. Any security breach, or the perception that one has occurred, could result in litigation, indemnity obligations, regulatory enforcement actions, investigations, fines, penalties, mitigation and remediation costs, disputes, reputational harm, diversion of management's attention, and other liabilities and damage to our business. Even though we do not control the security measures of third parties, we may be perceived or asserted to be responsible for any breach of such measures or suffer reputational harm.

In addition, most states have enacted laws requiring companies to notify individuals and often state authorities of data security breaches involving their personal data. These mandatory disclosures regarding a security breach often lead to widespread negative publicity, which may cause our existing and prospective customers to lose confidence in the effectiveness of our data security measures. Any security breach, whether successful or not, would harm our reputation and brand and could cause the loss of customers.

A real or perceived defect, security vulnerability, error, or performance failure in our software or technical problems or disruptions caused by our third-party service providers could cause us to lose revenue, damage our reputation, and expose us to liability.

Our business relies on software products which are inherently complex and, despite extensive testing and quality control, have in the past and may in the future contain defects or errors, especially when first introduced, or otherwise not perform as contemplated. As the use of our platform expands, we may be subject to increased scrutiny, potential reputational risk, or potential liability should our software fail to perform as contemplated in such deployments. We have in the past and may in the future need to issue corrective releases of our software to fix these defects, errors, or performance failures and we may encounter technical problems when we attempt to perform routine maintenance or enhance our software, internal applications, and systems, which could require us to allocate significant research and development and customer support resources to address these problems and divert the focus of our management and research and development teams. See "Risks Related to Our Business—Interruptions, delays in service or inability to increase capacity, including internationally, at third-party data center facilities could adversely affect our business and reputation."

Any inefficiencies, security vulnerabilities, errors, defects, technical problems, or performance failures with our software, internal applications, and systems could reduce the quality of our services or interfere with our customers' (and their users') products, which could negatively impact our brand and reputation, reduce demand, lead to a loss of customers or revenue, adversely affect our results of operations and financial condition, increase our costs to resolve such issues, and subject us to financial penalties and liabilities under our service level agreements. Any limitation of liability provisions that may be contained in our customer agreements may not be effective as a result of existing or future applicable law or unfavorable judicial decisions. The sale and support of our software offering entails the risk of liability claims, which could be substantial in light of the use of our software offering in enterprise-wide environments. In addition, our insurance against this liability may not be adequate to cover a potential claim.

Risks Related to Our Legal and Regulatory Environment

We are subject to environmental, health, and safety laws and regulations related to our operations and the use of our digital manufacturing systems and consumable materials, which could subject us to compliance costs and/or potential liability in the event of non-compliance.

We are subject to domestic and foreign environmental laws and regulations governing our manufacturing operations, including, but not limited to, emissions into the air and water and the use, handling, disposal, and remediation of hazardous substances. A certain risk of environmental liability is inherent in our production activities. These laws and regulations govern, among other things, the generation, use, storage, registration, handling, and disposal of chemicals and waste materials, the presence of specified substances in electrical products, the emission and discharge of hazardous materials into the ground, air or water, the cleanup of contaminated sites, including any contamination that results from spills due to our failure to properly dispose of chemicals and other waste materials and the health and safety of our employees. Under these laws, regulations and requirements, we could also be subject to liability for improper disposal of chemicals and waste materials, including those resulting from the use of our systems and accompanying materials by end- users. Accidents or other incidents that occur at our facilities or involve our personnel or operations could result in claims for damages against us. In the event we are found to be financially responsible, as a result of environmental or other laws or by court order, for environmental damages alleged to have been caused by us or occurring on our premises, we could be required to pay substantial monetary damages or undertake extensive remedial obligations. If our operations fail to comply with such laws or regulations, we may be subject to fines and other civil, administrative, or criminal sanctions, including the revocation of permits and licenses necessary to continue our business activities. In addition, we may be required to pay damages or civil judgments in respect of third-party claims, including those relating to personal injury (including exposure to hazardous substances that we generate, use, store, handle, transport, manufacture, or dispose of), property damage, or contribution claims. Some environmental laws allow for strict, joint and several liabilities for remediation costs, regardless of fault. We may be identified as a potentially responsible party under such laws. The amount of any costs, including fines or damages payments that we might incur under such circumstances, could substantially exceed any insurance we have to cover such losses. Any of these events, alone or in combination, could have a material adverse effect on our business, financial condition, and results of operations and could adversely affect our reputation.

The export of our offerings internationally from our production facilities subjects us to environmental laws and regulations concerning the import and export of chemicals and hazardous substances such as the United States Toxic Substances Control Act and the Registration, Evaluation, Authorization, and Restriction of Chemical Substances. These laws and regulations require the testing and registration of some chemicals that we ship along with, or that form a part of, our systems and other products. If we fail to comply with these or similar laws and regulations, we may be required to make significant expenditures to reformulate the chemicals that we use in our offerings and materials or incur costs to register such chemicals to gain and/or regain compliance. Additionally, we could be subject to significant fines or other civil and criminal penalties should we not achieve such compliance.

The cost of complying with current and future environmental, health, and safety laws applicable to our operations, or the liabilities arising from past releases of, or exposure to, hazardous substances, may result in future expenditures. Any of these developments, alone or in combination, could have an adverse effect on our business, financial condition, and results of operations.

Our business involves the use of hazardous materials, and we must comply with environmental, health, and safety laws and regulations, which can be expensive and restrict how we do business.

Our business involves the controlled storage, use, and disposal of hazardous materials. We and our suppliers are subject to federal, state, and local as well as foreign laws and regulations governing the use, manufacture, storage, handling, and disposal of these hazardous materials. Although we believe that the safety procedures utilized by us and our suppliers for handling and disposing of these materials comply with the standards prescribed by these laws and regulations, we cannot eliminate the risk of accidental contamination or injury from these materials. In the event of an accident, state, federal, or foreign authorities may curtail the use of these materials and interrupt our business operations. We do not currently maintain hazardous materials insurance coverage. If we are subject to any liability as a result of activities involving hazardous materials, our business and financial condition may be adversely affected and our reputation and brand may be harmed.

Regulation in the areas of privacy, data protection, and information security could increase our costs and affect or limit our business opportunities and how we collect and/or use personal information.

We collect personal information from our employees, prospects, and our customers. Privacy and security laws and regulations may limit the use and disclosure of certain information and require us to adopt certain cybersecurity and data handling practices that may affect our ability to effectively market our services to current, past, or prospective customers. We must comply with privacy laws in the United States, Europe, and elsewhere, including the GDPR in the European Union, which became effective May 25, 2018, and the California Consumer Privacy Act of 2018, or CCPA, which became effective on January 1, 2020. California's latest amendment to the law, the California Privacy Rights Act of 2020, or CPRA, will substantially expand the CCPA effective as of January 1, 2023. Virginia has similarly adopted a comprehensive privacy law, the Consumer Data Protection Act, which will also take effect January 1, 2023. Colorado, Connecticut, and Utah have also passed comprehensive privacy laws, each which will take effect either in July or December of 2023. While these new state privacy laws emulate the CCPA/CPRA and GDPR in many respects, each has requirements that will require particular assessment. Additionally, ongoing interpretations and enforcement of international privacy laws continue to amend or add to existing compliance obligations, such as under the GDPR with respect to international data transfers. On October 7, 2022, President Biden executed an Executive Order to implement a new European Union-U.S. Data Privacy Framework to address European concerns over international data transfers. If adopted, such framework is set to take effect in 2023. A patchwork of differing and evolving international and domestic privacy and data security requirements may increase the cost and complexity of operating our business and increase our exposure to liability.

These privacy laws create new individual privacy rights and impose increased obligations, including disclosure obligations, on companies handling personal information. In many jurisdictions, consumers must be notified in the event of a data security breach, and such notification requirements continue to increase in scope and cost. Privacy and security laws and regulations may limit the use and disclosure of certain information and require us to adopt certain cybersecurity and data handling practices that may affect our ability to effectively market our services to current, past, or prospective customers. While we have invested in, and intend to continue to invest in, resources to comply with these standards, we may not be successful in doing so, and any such failure could have an adverse effect on our business, results of operations, and reputation.

As privacy, data use, and data security laws are interpreted and applied, compliance costs may increase, particularly in the context of ensuring that adequate data protection and data transfer mechanisms are in place. In recent years, there has been increasing regulatory enforcement and litigation activity internationally in this area, including in the United States and the Netherlands in which we operate.

We are subject to U.S. and foreign anti-corruption laws, trade controls, economic sanctions, and similar laws and regulations. Our failure to comply with these laws and regulations could subject us to civil, criminal, and administrative penalties and harm our reputation.

We have partners in a number of countries throughout the world, including countries known to have a reputation for corruption. Doing business on a global basis requires us to comply with anti-corruption laws and regulations imposed by governments around the world with jurisdiction over our operations, including the U.S. Foreign Corrupt Practices Act and the U.K. Bribery Act 2010, as well as the laws of the countries where we do business. We are also subject to various trade restrictions, including trade and economic sanctions and export controls, imposed by governments around the world with jurisdiction over our operations. For example, in accordance with trade sanctions administered by the Office of Foreign Assets Control and the U.S. Department of Commerce, we are prohibited from engaging in transactions involving certain persons and certain designated countries or territories, including Cuba, Iran, Syria, North Korea, and the Crimea Region of Ukraine. In addition, our offerings are subject to export regulations that can involve significant compliance time and may add additional overhead cost to our offerings. In recent years, the U.S. government has had a renewed focus on export matters. For example, the Export Control Reform Act of 2018 and regulatory guidance have imposed additional controls, and may result in the imposition of further additional controls, on the export of certain "emerging and foundational technologies." Our current and future offerings may be subject to these heightened regulations, which could increase our compliance costs.

The requirements of being a public company may strain our resources, divert management's attention, and affect our ability to attract and retain qualified board members.

We are subject to the reporting requirements of the Exchange Act, the Sarbanes-Oxley Act and any rules promulgated thereunder, as well as the rules of the NYSE. The requirements of these rules and regulations have increased our legal and financial compliance costs, made some activities more difficult, time-consuming, or costly, and increased demand on our systems and resources. We intend to continue investing substantial resources to comply with evolving laws, regulations, and standards, and this investment may result in increased general and administrative expenses and a diversion of management's time and attention from business operations to compliance activities.

The Sarbanes-Oxley Act requires, among other things, that we maintain effective disclosure controls and procedures and internal controls for financial reporting. In order to maintain and, if required, improve our disclosure controls and procedures and internal control over financial reporting to meet these standards, significant resources and management oversight are required, and, as a result, management's attention may be diverted from other business concerns. Although we have already hired additional employees to assist us in complying with these requirements, we may need to hire more employees in the future or engage outside consultants, which will increase our operating expenses.

Changing laws, regulations, and standards relating to corporate governance and public disclosure are creating uncertainty for public companies, increasing legal and financial compliance costs, and making some activities more time-consuming. Additionally, these rules and regulations make it more difficult and more expensive for us to obtain director and officer liability insurance. We may be required to accept reduced coverage or incur substantially higher costs to maintain the same or similar coverage. These factors may also make it difficult for us to attract and retain qualified independent members of our Board of Directors.

As a result of disclosure of information in filings required of a public company, our business and financial condition have become more visible than they have been in the past, which may result in an increased risk of threatened or actual litigation, including by competitors and other third parties. If such claims are successful, our business and results of operations could be harmed, and even if the claims do not result in litigation or are resolved in our favor, these claims, and the time and resources necessary to resolve them, could divert the resources of our management and harm our business, results of operations, and financial condition.

If our internal control over financial reporting or our disclosure controls and procedures are not effective, we may be unable to accurately report our financial results, prevent fraud, or file our periodic reports in a timely manner, which may cause investors to lose confidence in our reported financial information and may lead to a decline in our stock price.

We are required to comply with certain requirements of the Sarbanes-Oxley Act, and will be required to comply with additional such requirements following the date we are deemed to be an "accelerated filer" or a "large accelerated filer," each as defined in the Exchange Act, which could be as early as our next fiscal year. The standards required for a public company under Section 404(a) of the Sarbanes-Oxley Act are significantly more stringent than those previously required of us as a privately-held company, and requires that we maintain effective internal control over financial reporting and disclosure controls and procedures. In particular, we are required to perform system and process evaluation, document our controls, and perform testing of our key controls over financial reporting to allow management to certify on the effectiveness of our internal control over financial reporting, as required by Section 404(a) of the Sarbanes-Oxley Act. When we cease to be an "emerging growth company," we will also be subject to auditor attestation requirements of Section 404(b) of the Sarbanes-Oxley Act and the relevant increased disclosure obligations. Deficiencies in our internal control over financial reporting may be found that may be deemed to be material weaknesses. If we are not able to comply with the requirements of Section 404 in a timely manner, or if we identify deficiencies in our internal control over financial reporting that are deemed to be material weaknesses, the market price of our common stock would likely decline and we could be subject to lawsuits, sanctions, or investigations by regulatory authorities, which would require additional financial and management resources and could harm investor confidence in our business.

We are an "emerging growth company" and a "smaller reporting company" and the reduced disclosure requirements applicable to emerging growth companies and smaller reporting companies may make our common stock less attractive to investors.

We are an "emerging growth company," as defined in the JOBS Act. As an emerging growth company, we may follow reduced disclosure requirements and do not have to make all of the disclosures that public companies that are not emerging growth companies do. We will remain an emerging growth company until the earlier of (a) the last day of the fiscal year in which we have total annual gross revenues of \$1.235 billion or more; (b) the last day of the fiscal year following the fifth anniversary of the date of the completion of the initial public offering of Galileo; (c) the date on which

we have issued more than \$1 billion in nonconvertible debt during the previous three years; or (d) the date on which we are deemed to be a large accelerated filer under the rules of the SEC, which means the market value of our common stock that is held by non-affiliates exceeds \$700 million as of the prior June 30th. For so long as we remain an emerging growth company, we are permitted and intend to rely on exemptions from certain disclosure requirements that are applicable to other public companies that are not emerging growth companies.

In addition, the JOBS Act provides that an emerging growth company can take advantage of an extended transition period for complying with new or revised accounting standards. This allows an emerging growth company to delay the adoption of certain accounting standards until those standards would otherwise apply to private companies. We have elected to use the extended transition period for complying with new or revised accounting standards; and as a result of this election, our financial statements may not be comparable to companies that comply with public company effective dates.

We have chosen and may continue to choose to take advantage of certain of the available exemptions for emerging growth companies. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our share price may be more volatile.

There can be no assurance that we will be able to remain in compliance with the continued listing standards of the NYSE.

Our common stock is listed on the NYSE, which imposes, among other requirements, a minimum share price requirement. On August 17, 2022, as previously disclosed, we received a written notice from the NYSE that we were not in compliance with the continued listing standard set forth in Section 802.01C of the NYSE's Listed Company Manual, as the average closing price of our common stock was less than \$1.00 per share over a consecutive 30 trading-day period. There was no immediate impact on the listing of our common stock on the NYSE, subject to our compliance with the NYSE's other continued listing requirements.

We timely responded to the NYSE with respect to our intent to cure the deficiency. We intend to consider available alternatives, including, but not limited to, a reverse stock split, subject to stockholder approval no later than at our next annual meeting of stockholders, if necessary, to regain compliance. Pursuant to Section 802.01C, we have a period of six months following the receipt of the notice to regain compliance with the minimum share price requirement. We may regain compliance at any time during the six-month cure period if on the last trading day of any calendar month during the six-month cure period our common stock has a closing share price of at least \$1.00 and an average closing share price of at least \$1.00 over the 30 trading-day period ending on the last trading day of that month. If we are unable to regain compliance with the \$1.00 share price rule within this period, the NYSE may initiate procedures to suspend and delist our common stock. We are diligently working to evidence compliance with the minimum share price requirement for continued listing on the NYSE; however, there can be no assurance that we will be able to regain compliance with the minimum share price or other continued listing requirements.

Our common stock could also be delisted if (i) our average market capitalization over a consecutive 30 trading-day period is less than \$15 million, or (ii) our common stock trades at an "abnormally low" price. In either case, our common stock would be suspended from trading on the NYSE immediately, and the NYSE would begin the process to delist our common stock, subject to our right to appeal under NYSE rules. Additionally, the NYSE considers a listed company to be out of compliance with its continued listing standards if the company's average global market capitalization over a 30 consecutive trading-day period is less than \$50.0 million and, at the same time, the company's stockholders' equity is less than \$50.0 million. If the company does not regain compliance within a cure period up to a maximum of 18 months, it will be subject to delisting. If any of these were to occur, there is no assurance that any appeal we undertake in these or other circumstances would be successful, nor is there any assurance that we will remain in compliance with the other NYSE continued listing standards.

If we fail to satisfy the NYSE's continued listing standards, our common stock will be subject to delisting. Delisting from the NYSE would likely have a negative effect on the liquidity and market price of our common stock, reduce the number of investors willing to hold or acquire our common stock, limit or reduce the amount of analyst coverage we receive, and impair your ability to sell or purchase our common stock when you wish to do so. In addition, a delisting from the NYSE might negatively impact our reputation and, as a consequence, our business. Additionally, if we were delisted from the NYSE and we are not able to list our common stock on another national exchange we will not be eligible to use Form S-3 registration statements, which would delay our ability to raise funds in the future, limit the type of offerings of common stock we could undertake, and increase the expenses of any offering.

In the event of a delisting of our common stock, we can provide no assurance that any action taken by us to restore compliance with listing requirements would allow our securities to become listed again, stabilize the market price or improve the liquidity of our common stock, prevent our common stock from dropping below the NYSE minimum share price requirement or prevent future non-compliance with the NYSE's listing standards. Additionally, if our common stock is not listed on, or becomes delisted from, the NYSE for any reason, and is quoted on the OTC Bulletin Board, an inter-dealer automated quotation system for equity securities that is not a national securities exchange, the liquidity and price of our common stock may be more limited than if we were quoted or listed on the NYSE or another national securities exchange. You may be unable to sell your common stock unless a market can be established or sustained.

Risks Relating to Ownership of Our Common Stock

An active, liquid trading market for our common stock may not be sustained.

Our common stock is listed on the NYSE under the symbol "SHPW." However, we cannot assure you that an active trading market for our common stock will be sustained. A public trading market having the desirable characteristics of depth, liquidity and orderliness depends upon the existence of willing buyers and sellers at any given time, such existence being dependent upon the individual decisions of buyers and sellers over which neither we nor any market maker has control. The lack of an active and liquid trading market would likely have a material adverse effect on the market price of our common stock. An inactive market may also impair our ability to raise capital to continue to fund operations by issuing equity and may impair our ability to acquire other companies or technologies by using common stock as consideration.

Our issuance of additional shares of common stock or convertible securities may dilute your ownership of us and could adversely affect our stock price.

From time to time in the future, we may issue additional shares of our common stock or securities convertible into or exercisable for our common stock pursuant to a variety of transactions, including acquisitions. Additional shares of our common stock may also be issued upon exercise of outstanding stock options and warrants to purchase our common stock. The issuance by us of additional shares of our common stock or securities convertible into or exercisable for our common stock would dilute your ownership of us and the sale of a significant amount of such shares in the public market could adversely affect prevailing market prices of our common stock. Subject to the satisfaction of vesting conditions and the expiration of lockup agreements, shares issuable upon exercise of options will be available for resale immediately in the public market without restriction.

Issuing additional shares of our capital stock, other equity securities, or securities convertible into equity may dilute the economic and voting rights of our existing stockholders, reduce the market price of our common stock, or both. Debt securities convertible into equity could be subject to adjustments in the conversion ratio pursuant to which certain events may increase the number of equity securities issuable upon conversion. Preferred stock, if issued, could have a preference with respect to liquidating distributions or a preference with respect to dividend payments that could limit our ability to pay dividends to the holders of our common stock. Our decision to issue securities in any future offering will depend on market conditions and other factors beyond our control, which may adversely affect the amount, timing, or nature of our future offerings. As a result, holders of our common stock bear the risk that our future offerings may reduce the market price of our common stock and dilute their percentage ownership.

On October 6, 2022, we filed our Shelf Registration Statement, which permits us to offer up to \$50.0 million in the aggregate of shares of our common stock, preferred stock, debt securities, warrants and rights in one or more offerings and in any combination, including in units from time to time. Further, as part of the Shelf Registration Statement, we may also sell up to \$13.25 million in the aggregate of ATM Shares in "at-the-market" offerings pursuant to the Sales Agreement with Craig-Hallum. The sale of a substantial number of ATM Shares pursuant to the ATM Facility, any securities pursuant to the Shelf Registration Statement or otherwise, or anticipation of any such sales, could cause the trading price of our common stock to decline or make it more difficult for us to sell equity or equity-related securities in the future at a time and at a price that we might otherwise desire. In addition, issuances of any shares of our common stock sold pursuant to the ATM Facility or any securities sold pursuant to the Shelf Registration Statement may have a dilutive effect on our existing stockholders.

Future sales, or the perception of future sales, of our common stock by us or our existing stockholders in the public market could cause the market price for our common stock to decline.

The sale of substantial amounts of shares of our common stock in the public market, including in connection with the expiration of lock-up restrictions or the ATM Facility, or the perception that such sales could occur, could harm the prevailing market price of shares of our common stock. Furthermore, shares of our common stock reserved for future issuance under our equity plans may become available for sale in the future. These sales, or the possibility that these sales may occur, also might make it more difficult for us to sell equity securities in the future at a time and at a price that we deem appropriate. Additionally, to the extent our Warrants are exercised, additional shares of common stock will be issued, which will result in dilution to the holders of common stock and increase the number of shares eligible for resale in the public market. However, there is no guarantee that the Public Warrants will ever be in the money prior to their expiration, and as such, the Warrants may expire worthless.

Our operating results and financial condition may fluctuate on a quarterly and annual basis.

Our operating results and financial condition fluctuate from quarter-to-quarter and year-to-year and are likely to continue to vary due to a number of factors, many of which are not within our control. Both our business and the digital manufacturing industry are changing and evolving rapidly, and our historical operating results may not be useful in predicting our future operating results. If our operating results do not meet the guidance that we provide to the marketplace or the expectations of securities analysts or investors, the market price of our common stock will likely decline. Fluctuations in our operating results and financial condition may be due to a number of factors, including:

- the degree of market acceptance of digital manufacturing and, specifically, our services;
- our ability to compete with competitors and new entrants into our markets;
- the mix of offerings that we sell during any period;
- the timing of our sales and deliveries of our offerings to customers;
- the geographic distribution of our sales;
- changes in our pricing policies or those of our competitors, including our response to price competition;
- changes in the amount that we spend to develop and manufacture new technologies;
- changes in the amounts that we spend to promote our services;
- expenses and/or liabilities resulting from litigation;
- delays between our expenditures to develop and market new or enhanced solutions and the generation of revenue from those solutions;
- unforeseen liabilities or difficulties in integrating our acquisitions or newly acquired businesses;
- disruptions to our information technology systems;
- general economic and industry conditions that affect customer demand, including increasing inflation;
- the impact of the COVID-19 pandemic on our customers, suppliers, manufacturers, and operations; and
- changes in accounting rules and tax laws.

In addition, our revenues and operating results may fluctuate from quarter-to-quarter and year-to-year due to our sales cycle and seasonality among our customers. Generally, our digital manufacturing solutions are subject to the adoption and capital expenditure cycles of our customers. Additionally, for our more complex solutions, which may require additional facilities investment, potential customers may spend a substantial amount of time performing internal assessments prior to making a purchase decision. This may cause us to devote significant effort in advance of a potential sale without any guarantee of receiving any related revenues. As a result, revenues and operating results for future periods are difficult to predict with any significant degree of certainty, which could lead to adverse effects on our inventory levels and overall financial condition.

Due to the foregoing factors, and the other risks discussed in this Part II, Item 1A: “Risk Factors,” you should not rely on quarter-over-quarter and year-over-year comparisons of our operating results as an indicator of our future performance.

Our stock price has been and may continue to be volatile or may decline regardless of our operating performance. You may lose some or all of your investment.

The trading price of our common stock has been and may continue to be volatile. The stock market recently has experienced extreme volatility. This volatility often has been unrelated or disproportionate to the operating performance of particular companies. You may not be able to resell your shares at an attractive price due to a number of factors such as those listed in this section and the following:

- the impact of the COVID-19 pandemic on our financial condition and the results of operations;
- our operating and financial performance and prospects;
- our quarterly or annual earnings or those of other companies in our industry compared to market expectations;
- conditions that impact demand for our services;
- future announcements concerning our business, our customers' businesses, or our competitors' businesses;
- the public's reaction to our press releases, other public announcements, and filings with the SEC;
- the market's reaction to our reduced disclosure and other requirements as a result of being an "emerging growth company" under the JOBS Act or a "smaller reporting company";
- the size of our public float;
- coverage by or changes in financial estimates by securities analysts or failure to meet their expectations;
- market and industry perception of our success, or lack thereof, in pursuing our growth strategy;
- strategic actions by us or our competitors, such as acquisitions or restructurings;
- changes in laws or regulations which adversely affect the manufacturing industry generally or Shapeways specifically;
- changes in accounting standards, policies, guidance, interpretations, or principles;
- changes in senior management or key personnel;
- issuances, exchanges or sales, or expected issuances, exchanges, or sales of our capital stock;
- changes in our dividend policy;
- adverse resolution of new or pending litigation against us; and
- changes in general market, economic, and political conditions in the United States and global economies or financial markets, including those resulting from natural disasters, terrorist attacks, acts of war or other military conflicts, and responses to such events.

These broad market and industry factors may materially reduce the market price of our common stock, regardless of our operating performance. In addition, price volatility may be greater if the public float and trading volume of our common stock continues to be low. As a result, you may suffer a loss on your investment.

If securities or industry analysts publish inaccurate or unfavorable research or reports about our business, our stock price and trading volume could decline.

The trading market for our common stock depends, in part, on the research and reports that third-party securities analysts publish about us and the industry in which we operate. We may be unable or slow to attract research coverage and if one or more analysts cease coverage of us, the price and trading volume of our securities would likely be negatively impacted. If any of the analysts that may cover us change their recommendation regarding our common stock adversely, or provide more favorable relative recommendations about our competitors, the price of our common stock would likely decline. If any analyst that may cover us ceases covering us or fails to regularly publish reports on us, we could lose visibility in the financial markets, which could cause the price or trading volume of our common stock to decline. Moreover, if one or more of the analysts who cover us downgrades our common stock, or if our reporting results do not meet their expectations, the market price of our common stock could decline.

We do not expect to pay any cash dividends for the foreseeable future.

We currently intend to retain all available funds and any future earnings to fund the development and growth of our business. As a result, we do not anticipate declaring or paying any cash dividends on our common stock in the foreseeable future. Any decision to declare and pay dividends in the future will be made at the discretion of our Board of Directors and will depend on, among other things, our business prospects, results of operations, financial condition, cash requirements and availability, certain restrictions related to our indebtedness, industry trends, and other factors that our Board of Directors may deem relevant. In addition, we may incur additional indebtedness, the terms of which may further restrict or prevent us from paying dividends on our common stock. As a result, you may have to sell some or all of your common stock after price appreciation in order to generate cash flow from your investment, which you may not be able to do. Our inability or decision not to pay dividends, particularly when others in our industry have elected to do so, could also adversely affect the market price of our common stock.

We may be subject to securities litigation, which is expensive and could divert management attention.

The market price of our common stock has been and may continue to be volatile and, in the past, companies that have experienced volatility in the market price of their stock have been subject to securities litigation, including class action litigation. Litigation of this type could result in substantial costs and diversion of management's attention and resources, which could have a material adverse effect on our business, financial condition, and results of operations. Any adverse determination in litigation could also subject us to significant liabilities.

Delaware law and provisions in our charter and bylaws could make a merger, tender offer, or proxy contest difficult, thereby depressing the trading price of our common stock.

Our charter, bylaws, and Delaware law contain provisions that could depress the trading price of our common stock by acting to discourage, delay, or prevent a change of control of Shapeways or changes in Shapeways that our management or stockholders may deem advantageous. Among other things, our charter and bylaws include the following provisions which:

- provide for a classified board of directors so that not all members of our Board of Directors are elected at one time;
- permit the Board of Directors to establish the number of directors and fill any vacancies and newly created directorships;
- provide that directors may only be removed for cause and only by a super majority vote;
- require super-majority voting to amend certain provisions of our charter and any provision of our bylaws;
- authorize the issuance of "blank check" preferred stock that our Board of Directors could use to implement a stockholder rights plan;
- eliminate the ability of our stockholders to call special meetings of stockholders;
- prohibit stockholder action by written consent, which requires all stockholder actions to be taken at a meeting of our stockholders;
- provide that the Board of Directors is expressly authorized to make, alter, or repeal our bylaws; and
- establish advance notice requirements for nominations for election to our Board of Directors or for proposing matters that can be acted upon by stockholders at annual stockholder meetings.

These provisions, alone or together, could delay or prevent hostile takeovers and changes in control or changes in our management. As a Delaware corporation, we are also subject to provisions of Delaware law, including Section 203 of the Delaware General Corporation Law ("DGCL") which prevents interested stockholders, such as certain stockholders holding more than 15% of our outstanding common stock, from engaging in certain business combinations unless (i) prior to the time such stockholder became an interested stockholder, our Board of Directors approved the transaction that resulted in such stockholder becoming an interested stockholder, (ii) upon consummation of the transaction that resulted in such stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of our common stock, or (iii) following board approval, such business combination receives the approval of the holders of at least two-thirds of our outstanding common stock not held by such interested stockholder at an annual or special meeting of stockholders.

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Any provision of our charter, bylaws, or Delaware law that has the effect of delaying, preventing, or deterring a change in control could limit the opportunity for our stockholders to receive a premium for their shares of our common stock and could also affect the price that some investors are willing to pay for our common stock.

Our charter provides that the Court of Chancery of the State of Delaware and the federal district courts of the United States will be the exclusive forum for substantially all disputes between us and our stockholders, which could limit our stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers, or employees.

Our charter provides that the Court of Chancery of the State of Delaware is the exclusive forum for any derivative action or proceeding brought on our behalf, any action asserting a breach of fiduciary duty, any action asserting a claim against us arising pursuant to the DGCL, our charter or bylaws, or any action asserting a claim against us that is governed by the internal affairs doctrine. In addition, if an action is brought outside of Delaware, the stockholder bringing the suit will be deemed to have consented to service of process on such stockholder's counsel.

Our charter provides that any person or entity purchasing or otherwise acquiring or holding any interest in shares of our capital stock shall be deemed to have notice of and consented to the foregoing choice of forum provision.

This provision would not apply to claims brought to enforce a duty or liability created by the Exchange Act or any other claim for which the federal courts have exclusive jurisdiction. Our charter provides further that, unless the Company consents in writing to the selection of an alternative forum, the federal district courts of the United States shall, to the fullest extent permitted by law, be the exclusive forum for resolving any complaint asserting a cause of action arising under the Securities Act. These choices of forum provisions may limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with us or our directors, officers, or other employees and may discourage these types of lawsuits. Furthermore, the enforceability of similar choice of forum provisions in other companies' certificates of incorporation has been challenged in legal proceedings, and it is possible that a court could find these types of provisions to be inapplicable or unenforceable. While the Delaware courts have determined that such choice of forum provisions are facially valid, a stockholder may nevertheless seek to bring a claim in a venue other than those designated in the exclusive-forum provisions, and there can be no assurance that such provisions will be enforced by a court in those other jurisdictions. If a court were to find the exclusive-forum provision contained in our charter to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

None.

Item 3. Defaults upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information.

Not applicable.

Item 6. Exhibits.

<i>Exhibit No.</i>	<i>Description</i>
10.1	Offer Letter dated as of September 15, 2022 between Shapeways Holdings, Inc. and Alberto Recchi (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-39092), filed with the SEC on September 16, 2022).
10.2	Shapeways Holdings, Inc. 2021 Equity Incentive Plan and forms of agreements thereunder.*
10.3	Shapeways Holdings, Inc. 2022 New Employee Equity Incentive Plan and forms of agreements thereunder (incorporated by reference to Exhibit 10.2 to the Registrant's Current Report on Form 8-K (File No. 001-39092), filed with the SEC on September 16, 2022).
31.1	Certification of the Chief Executive Officer required by Rule 13a-14(a) or Rule 15d-14(a).*
31.2	Certification of the Chief Financial Officer required by Rule 13a-14(a) or Rule 15d-14(a).*
32.1	Certification of the Chief Executive Officer required by Rule 13a-14(b) or Rule 15d-14(b) and 18 U.S.C. 1350.**
32.2	Certification of the Chief Financial Officer required by Rule 13a-14(b) or Rule 15d-14(b) and 18 U.S.C. 1350.**
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema
101.CAL	XBRL Taxonomy Extension Calculation Linkbase
101.DEF	XBRL Taxonomy Extension Definition Linkbase
101.LAB	XBRL Taxonomy Extension Label Linkbase
101.PRE	XBRL Taxonomy Extension Presentation Linkbase
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

* Filed herewith

** Furnished herewith

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this Report to be signed on its behalf by the undersigned, thereunto duly authorized.

Shapeways Holdings, Inc.

Dated: November 14, 2022

By: /s/ Alberto Recchi

Alberto Recchi

Chief Financial Officer

(Principal Financial and Accounting Officer)

SHAPEWAYS HOLDINGS, INC.

2021 EQUITY INCENTIVE PLAN

AS ADOPTED BY APPROVAL OF THE BOARD ON SEPTEMBER 29, 2021

APPROVED BY THE SHAREHOLDERS ON SEPTEMBER 28, 2021

Shapeways Holdings, Inc. 2021 Equity Incentive Plan

ARTICLE 1. INTRODUCTION.

The purpose of the Plan is to promote the long-term success of the Company and the creation of shareholder value by (a) encouraging Service Providers to focus on critical long-range corporate objectives, (b) encouraging the attraction and retention of Service Providers with exceptional qualifications and (c) linking Service Providers directly to shareholder interests through increased stock ownership. The Plan seeks to achieve this purpose by providing for Awards in the form of Options (which may be ISOs or NSOs), SARs, Restricted Shares, Restricted Stock Units, and other cash-based, equity-based or equity-related Awards that the Administrator determines are consistent with the purpose of the Plan and the interests of the Company. Capitalized terms used in this Plan are defined in Article 14.

ARTICLE 2. ADMINISTRATION.

2.1 General. The Plan may be administered by the Board or one or more Committees to which the Board (or an authorized Board committee) has delegated authority. If administration is delegated to a Committee, the Committee shall have the powers theretofore possessed by the Board, including, to the extent permitted by applicable law, the power to delegate to a subcommittee any of the administrative powers the Committee is authorized to exercise (and references in this Plan to either the Board or the Administrator shall hereafter also encompass the Committee or subcommittee, as applicable). The Board may abolish the Committee's delegation at any time and the Board shall at all times also retain the authority it has delegated to the Committee. The Administrator shall comply with rules and regulations applicable to it, including under the rules of any exchange on which the Common Shares are traded, and shall have the authority and be responsible for such functions as have been assigned to it.

2.2 Section 16. To the extent desirable to qualify transactions hereunder as exempt under Exchange Act Rule 16b-3, the transactions contemplated hereunder will be approved by the entire Board or a Committee of two or more "non-employee directors" within the meaning of Exchange Act Rule 16b-3.

2.3 Powers of Administrator. Subject to the terms of the Plan, and in the case of a Committee, subject to the specific duties delegated to the Committee, the Administrator shall have the authority to (a) select the Service Providers who are to receive Awards under the Plan, (b) determine the type, number, vesting requirements and other features, terms and conditions of such Awards (including the form of settlement in cash, Common Shares or other securities, Awards or property), (c) determine performance criteria for the Awards and whether such performance criteria has been attained, (d) interpret the Plan and Awards granted under the Plan, (e) make, amend and rescind rules relating to the Plan and Awards granted under the Plan, including rules relating to sub-plans established for the purposes of satisfying applicable foreign laws or for qualifying for favorable tax treatment under applicable foreign laws, (f) accelerate the vesting or exercisability of, payment for or lapse of restrictions on, Awards, (g) impose such restrictions, conditions or limitations as it determines appropriate as to the timing and manner of any resales by a Participant of any Common Shares issued pursuant to an Award, including restrictions under an insider trading policy and restrictions as to the use of a specified brokerage firm for such resales, and (h) make all other decisions relating to the operation of the Plan and Awards granted under the Plan. In addition, with regard to the terms and conditions of Awards granted to Service Providers outside of the United States or not subject to taxation under the laws of the United States, the Administrator may vary from the provisions of the Plan to the extent it

determines it necessary and appropriate to do so, including, where applicable, varying from the requirements set forth in Articles 5.3 and 6.3.

2.4 Effect of Administrator's Decisions. The Administrator's decisions, determinations and interpretations shall be final, conclusive and binding on all interested parties.

2.5 Delegation of Authority to Senior Officers. The Administrator may delegate, on such terms and conditions as it determines in its discretion, to one or more senior officers of the Company the authority to make grants of Awards to officers (other than any officer subject to Section 16 of the Exchange Act), Employees and Consultants of the Company, its Subsidiaries and its Affiliates (including any prospective officer (other than any such officer who is expected to be subject to Section 16 of the Exchange Act), Employee or Consultant) and all necessary and appropriate decisions and determinations with respect thereto.

2.6 Awards to Outside Directors. Notwithstanding anything to the contrary contained herein, the Board may, in its discretion, at any time and from time to time, grant Awards to Outside Directors or administer the Plan with respect to such Awards. In any such case, the Board shall have all the authority and responsibility granted to the Administrator herein.

2.7 No Rights to Awards or Uniformity of Treatment. No Participant or other person shall have any claim to be granted any Award, and there is no obligation for uniformity of treatment of Participants or holders or beneficiaries of Awards. The terms and conditions of Awards and the Administrator's determinations and interpretations with respect thereto need not be the same with respect to each Participant and may be made selectively among Participants, whether or not such Participants are similarly situated.

2.8 Governing Law. The Plan shall be governed by, and construed in accordance with, the laws of the State of Delaware (except its choice-of-law provisions).

ARTICLE 3. SHARES AVAILABLE FOR GRANTS.

3.1 Basic Limitation. Common Shares issued pursuant to the Plan may be authorized but unissued shares or treasury shares. The aggregate number of Common Shares issued under the Plan shall not exceed 7,621,401 Common Shares (the "**Plan Share Limit**"), which amount is subject to increase as described in Article 3.2. The Plan Share Limit shall be subject to adjustment pursuant to Article 9.

3.2 Annual Increase in Available Shares. On the first day of each calendar year during the term of the Plan, commencing on January 1, 2022 and continuing until (and including) January 1, 2031, the number of Common Shares available under the Plan Share Limit shall automatically increase by a number equal to the lesser of (a) five percent (5%) of the total number of Common Shares issued and outstanding on December 31 of the calendar year immediately preceding the date of such increase and (b) a number of Common Shares determined by the Board.

3.3 Shares Returned to Reserve. To the extent that an Option, SAR, Restricted Stock Unit or other Award granted under the Plan is forfeited, cancelled, terminated or expires for any reason without the delivery of all Common Shares subject thereto, or is settled other than wholly by delivery of Common Shares (including cash settlement), then the number of Common Shares subject to such Award that were not issued with respect to such Award will not be treated as issued and will not count against the Plan Share Limit. If SARs are exercised or Restricted Stock Units are settled, then only the number of Common Shares (if any) actually issued to the Participant upon exercise of such SARs or settlement of such Restricted Stock Units, as applicable, shall reduce the number of Common Shares available under the Plan Share Limit and the balance shall again become available for issuance under the Plan. If Restricted Shares or Common Shares issued upon the exercise of Options are forfeited or reacquired by the Company

pursuant to a repurchase right or for any other reason, then such Common Shares shall again become available for issuance under the Plan. Common Shares applied to pay the Exercise Price of Options or to satisfy tax withholding obligations related to any Award shall again become available for issuance under the Plan (but such Common Shares shall not again become available for issuance as ISOs).

3.4 Awards Not Reducing Share Reserve. To the extent permitted under applicable exchange listing standards, any dividend equivalents paid or credited under the Plan with respect to Restricted Stock Units shall not be applied against the number of Common Shares that may be issued under the Plan, whether or not such dividend equivalents are converted into Restricted Stock Units. In addition, Common Shares subject to Substitute Awards granted by the Company shall not reduce the number of Common Shares that may be issued under Article 3.1, nor shall Common Shares subject to Substitute Awards again be available for Awards under the Plan in the event of any forfeiture, expiration or cash settlement of such Substitute Awards.

3.5 Director Limit and ISO Limit.

(a) The grant date fair value of Awards granted to an Outside Director during any one fiscal year of the Company may not exceed \$500,000 (on a per-Director basis); provided, however, that the limitation that will apply in the fiscal year in which the Outside Director is initially appointed or elected to the Board shall instead be \$750,000; provided, further, that the Board may make exceptions to such limit for a non-executive chair of the Board or, in extraordinary circumstances, for other individual Outside Directors, as the Board may determine in its discretion, so long as the Outside Director receiving such additional compensation does not participate in the decision to award such compensation. For purposes of this limitation, the grant date fair value of an Award shall be determined in accordance with the assumptions that the Company uses to estimate the value of share-based payments for financial reporting purposes. For the sake of clarity, neither (i) Awards granted to an individual while they were an Employee or Consultant, but not an Outside Director, nor (ii) Awards granted pursuant to an Outside Director's election to receive Awards in lieu of cash retainers or other fees shall count towards this limitation.

(b) No more than 7,621,401 Common Shares (subject to adjustment pursuant to Article 9 and taking into account Article 3.3) may be issued under the Plan upon the exercise of ISOs.

ARTICLE 4. ELIGIBILITY.

4.1 Incentive Stock Options. Only Employees who are employees of the Company (or of a Parent or a Subsidiary that qualifies as a "parent corporation" or "subsidiary corporation" under Code Section 424) and who are eligible to receive an Incentive Stock Option under the Code shall be eligible for the grant of ISOs. In addition, an Employee who owns more than 10% of the total combined voting power of all classes of outstanding stock of the Company (or of a Parent or a Subsidiary that qualifies as a "parent corporation" or "subsidiary corporation" under Code Section 424, as applicable) shall not be eligible for the grant of an ISO unless the additional requirements set forth in Code Section 422(c)(5) are satisfied.

4.2 Other Awards. Awards other than ISOs may be granted to any Service Provider.

ARTICLE 5. OPTIONS.

5.1 Stock Option Agreement. Each grant of an Option under the Plan shall be evidenced by a Stock Option Agreement between the Optionee and the Company. Such Option shall be subject to all applicable terms of the Plan and may be subject to any other terms that are not inconsistent with the Plan. The Stock Option Agreement shall specify whether the Option is

intended to be an ISO or an NSO. The provisions of the various Stock Option Agreements entered into under the Plan need not be identical.

5.2 Number of Shares. Each Stock Option Agreement shall specify the number of Common Shares subject to the Option, which number shall adjust in accordance with Article 9.

5.3 Exercise Price. Each Stock Option Agreement shall specify the Exercise Price, which shall not be less than 100% of the Fair Market Value of a Common Share on the date of grant. The last clause of the preceding sentence shall not apply to an Option that is a Substitute Award granted in a manner that would satisfy the requirements of Code Section 409A and, if applicable, Code Section 424(a).

5.4 Exercisability and Term. Each Stock Option Agreement shall specify the date or event when all or any portion of the Option is to become vested and/or exercisable. The vesting and exercisability conditions applicable to the Option may include service-based conditions, performance-based conditions, such other conditions as the Administrator may determine, or any combination of such conditions. The Stock Option Agreement shall also specify the term of the Option; provided that, except to the extent necessary to comply with applicable foreign law, the term of an Option shall in no event exceed 10 years from the date of grant. A Stock Option Agreement may provide for accelerated vesting and/or exercisability upon certain specified events and may provide for expiration prior to the end of its term in the event of the termination of the Optionee's Service.

5.5 Death of Optionee. After an Optionee's death, any vested and exercisable Options held by such Optionee may be exercised by such Optionee's beneficiary or beneficiaries. Each Optionee may designate one or more beneficiaries for this purpose by filing the prescribed form with the Company, which beneficiary designation shall be effective only if the prescribed form is received by the Company before the Optionee's death. A beneficiary designation may be changed by filing the prescribed form with the Company at any time before the Optionee's death. If no beneficiary was properly designated or if no designated beneficiary survives the Optionee, then any vested and exercisable Options held by the Optionee may be exercised by such Optionee's estate.

5.6 Modification or Assumption of Options. Within the limitations of the Plan, the Administrator may modify, reprice, extend or assume outstanding options or may accept the cancellation of outstanding options (whether granted by the Company or by another issuer) in return for the grant of new Options for the same or a different number of shares and at the same or a different exercise price or in return for the grant of a different type of Award. The foregoing notwithstanding, no modification of an Option shall, without the consent of the Optionee, materially impair such Optionee's rights or obligations under such Option.

5.7 Buyout Provisions. The Administrator may at any time (a) offer to buy out for a payment in cash or cash equivalents an Option previously granted or (b) authorize an Optionee to elect to cash out an Option previously granted, in either case at such time and based upon such terms and conditions as the Administrator shall establish.

5.8 Payment for Option Shares. The entire Exercise Price of Common Shares issued upon exercise of Options shall be payable in cash or cash equivalents at the time when such Common Shares are purchased. In addition, the Administrator may, in its sole discretion and to the extent permitted by applicable law, accept payment of all or a portion of the Exercise Price through any one or a combination of the following forms or methods:

(a) Subject to any conditions or limitations established by the Administrator, by surrendering, or attesting to the ownership of, Common Shares that are already owned by the Optionee with a value on the date of surrender equal to the aggregate Exercise Price for the Common Shares as to which such Option will be exercised;

(b) By delivering (on a form prescribed by the Company) an irrevocable direction to a securities broker approved by the Company to sell all or part of the Common Shares being purchased under the Plan and to deliver all or part of the sales proceeds to the Company;

(c) Subject to such conditions and requirements as the Administrator may impose from time to time, through a net exercise procedure; or

(d) Through any other form or method consistent with applicable laws, regulations and rules.

ARTICLE 6. STOCK APPRECIATION RIGHTS.

6.1 SAR Agreement. Each grant of a SAR under the Plan shall be evidenced by a SAR Agreement between the Optionee and the Company. Such SAR shall be subject to all applicable terms of the Plan and may be subject to any other terms that are not inconsistent with the Plan. The provisions of the various SAR Agreements entered into under the Plan need not be identical.

6.2 Number of Shares. Each SAR Agreement shall specify the number of Common Shares to which the SAR pertains, which number shall adjust in accordance with Article 9.

6.3 Exercise Price. Each SAR Agreement shall specify the Exercise Price, which shall in no event be less than 100% of the Fair Market Value of a Common Share on the date of grant. The last clause of the preceding sentence shall not apply to a SAR that is a Substitute Award granted in a manner that would satisfy the requirements of Code Section 409A.

6.4 Exercisability and Term. Each SAR Agreement shall specify the date when all or any portion of the SAR is to become vested and exercisable. The vesting and exercisability conditions applicable to the SAR may include service-based conditions, performance-based conditions, such other conditions as the Administrator may determine, or any combination thereof. The SAR Agreement shall also specify the term of the SAR; provided that, except to the extent necessary to comply with applicable foreign law, the term of a SAR shall not exceed 10 years from the date of grant. A SAR Agreement may provide for accelerated vesting and exercisability upon certain specified events and may provide for expiration prior to the end of its term in the event of the termination of the Optionee's Service.

6.5 Exercise of SARs. Upon exercise of a SAR, the Optionee (or any person having the right to exercise the SAR after such Optionee's death) shall receive from the Company (a) Common Shares, (b) cash or (c) a combination of Common Shares and cash, as the Administrator shall determine in its sole discretion. The amount of cash and/or the Fair Market Value of Common Shares received upon exercise of SARs shall, in the aggregate, not exceed the amount by which the Fair Market Value (on the date of surrender) of the Common Shares subject to the SARs exceeds the Exercise Price. If, on the date when a SAR expires, the Exercise Price is less than the Fair Market Value of a Common Share on such date, and any portion of such SAR has not been exercised or surrendered, then such SAR shall automatically be deemed to be exercised as of such date with respect to such portion. A SAR Agreement may also provide for an automatic exercise of the SAR on an earlier date.

6.6 Death of Optionee. After an Optionee's death, any vested and exercisable SARs held by such Optionee may be exercised by such Optionee's beneficiary or beneficiaries. Each Optionee may designate one or more beneficiaries for this purpose by filing the prescribed form with the Company, which beneficiary designation shall be effective only if the prescribed form is received by the Company before the Optionee's death. A beneficiary designation may be changed by filing the prescribed form with the Company at any time before the Optionee's death. If no beneficiary was properly designated or if no designated beneficiary survives the Optionee,

then any vested and exercisable SARs held by the Optionee at the time of such Optionee's death may be exercised by such Optionee's estate.

6.7 Modification or Assumption of SARs. Within the limitations of the Plan, the Administrator may modify, reprice, extend or assume outstanding stock appreciation rights or may accept the cancellation of outstanding stock appreciation rights (whether granted by the Company or by another issuer) in return for the grant of new SARs for the same or a different number of shares and at the same or a different exercise price or in return for the grant of a different type of Award. The foregoing notwithstanding, no modification of a SAR shall, without the consent of the Optionee, materially impair such Optionee's rights or obligations under such SAR.

ARTICLE 7. RESTRICTED SHARES.

7.1 Restricted Stock Agreement. Each grant of Restricted Shares under the Plan shall be evidenced by a Restricted Stock Agreement between the Service Provider and the Company. Such Restricted Shares shall be subject to all applicable terms of the Plan and may be subject to any other terms that are not inconsistent with the Plan. The provisions of the various Restricted Stock Agreements entered into under the Plan need not be identical.

7.2 Payment for Awards. Restricted Shares may be sold or awarded under the Plan for such consideration as the Administrator may determine, including (without limitation) cash, cash equivalents, property, cancellation of other equity awards, promissory notes, past services and future services, and such other methods of payment as are permitted by applicable law.

7.3 Vesting Conditions. Each Award of Restricted Shares may or may not be subject to vesting and/or other conditions as the Administrator may determine. Vesting shall occur, in full or in installments, upon satisfaction of the conditions specified in the Restricted Stock Agreement. Vesting conditions may include service-based conditions, performance-based conditions, such other conditions as the Administrator may determine, or any combination thereof. A Restricted Stock Agreement may provide for accelerated vesting upon certain specified events.

7.4 Voting and Dividend Rights. The holders of Restricted Shares awarded under the Plan shall have the same voting, dividend and other rights as the Company's other shareholders, unless the Administrator otherwise provides. A Restricted Stock Agreement, however, may require that any cash dividends paid on Restricted Shares (a) be accumulated and paid when such Restricted Shares vest, or (b) be invested in additional Restricted Shares. Any such additional Restricted Shares shall be subject to the same restrictions on transfer and forfeiture as the Restricted Shares with respect to which they were paid. In addition, unless the Administrator provides otherwise, if any dividends or other distributions are paid in Common Shares, such Common Shares shall be subject to the same restrictions on transfer and forfeiture as the Restricted Shares with respect to which they were paid.

7.5 Modification or Assumption of Restricted Shares. Within the limitations of the Plan, the Administrator may modify or assume outstanding Restricted Shares or may accept the cancellation of outstanding restricted shares (whether granted by the Company or by another issuer) in return for the grant of new Restricted Shares for the same or a different number of shares or in return for the grant of a different type of Award. The foregoing notwithstanding, no modification of Restricted Shares shall, without the consent of the Participant, materially impair such Participant's rights or obligations under such Restricted Shares.

ARTICLE 8. RESTRICTED STOCK UNITS.

8.1 Restricted Stock Unit Agreement. Each grant of Restricted Stock Units under the Plan shall be evidenced by a Restricted Stock Unit Agreement between the Service Provider

and the Company. Such Restricted Stock Units shall be subject to all applicable terms of the Plan and may be subject to any other terms that are not inconsistent with the Plan. The provisions of the various Restricted Stock Unit Agreements entered into under the Plan need not be identical.

8.2 Payment for Awards. To the extent that an Award is granted in the form of Restricted Stock Units, no cash consideration shall be required of the Service Provider.

8.3 Vesting Conditions. Each Award of Restricted Stock Units may or may not be subject to vesting, as determined by the Administrator. Vesting shall occur, in full or in installments, upon satisfaction of the conditions specified in the Restricted Stock Unit Agreement. Vesting conditions may include service-based conditions, performance-based conditions, such other conditions as the Administrator may determine, or any combination thereof. A Restricted Stock Unit Agreement may provide for accelerated vesting upon certain specified events.

8.4 Voting and Dividend Equivalent Rights. The holders of Restricted Stock Units shall have no voting rights as the Company's shareholders. Prior to settlement or forfeiture, Restricted Stock Units awarded under the Plan may, at the Administrator's discretion, provide for a right to dividend equivalents. Such right entitles the holder to be credited with an amount equal to all dividends paid on one Common Share while the Restricted Stock Unit is outstanding. Dividend equivalents may be converted into additional Restricted Stock Units. Settlement of dividend equivalents may be made in the form of cash, in the form of Common Shares, or in a combination of both. Prior to distribution, any dividend equivalents shall be subject to the same conditions and restrictions as the Restricted Stock Units to which they attach.

8.5 Form and Time of Settlement of Restricted Stock Units. Settlement of vested Restricted Stock Units may be made in the form of (a) cash, (b) Common Shares or (c) any combination of both, as determined by the Administrator. The actual number of Restricted Stock Units eligible for settlement may be larger or smaller than the number included in the original Award, based on predetermined performance factors. Methods of converting Restricted Stock Units into cash may include (without limitation) a method based on the average value of Common Shares over a series of trading days. Vested Restricted Stock Units shall be settled in such manner and at such time(s) as specified in the Restricted Stock Unit Agreement. Until an Award of Restricted Stock Units is settled, the number of such Restricted Stock Units shall be subject to adjustment pursuant to Article 9.

8.6 Death of Service Provider. Any Restricted Stock Units that become payable after the Service Provider's death shall be distributed to the Service Provider's beneficiary or beneficiaries. Each recipient of Restricted Stock Units under the Plan may designate one or more beneficiaries for this purpose by filing the prescribed form with the Company, which beneficiary designation shall be effective only if the prescribed form is received by the Company before the Service Provider's death. A beneficiary designation may be changed by filing the prescribed form with the Company at any time before the Service Provider's death. If no beneficiary was properly designated or if no designated beneficiary survives the Service Provider, then any Restricted Stock Units that become payable after the Service Provider's death shall be distributed to the Service Provider's estate.

8.7 Modification or Assumption of Restricted Stock Units. Within the limitations of the Plan, the Administrator may modify or assume outstanding restricted stock units or may accept the cancellation of outstanding restricted stock units (whether granted by the Company or by another issuer) in return for the grant of new Restricted Stock Units for the same or a different number of shares or in return for the grant of a different type of Award. The foregoing notwithstanding, no modification of a Restricted Stock Unit shall, without the consent of the Participant, materially impair such Participant's rights or obligations under such Restricted Stock Unit.

8.8 Creditors' Rights. A holder of Restricted Stock Units shall have no rights other than those of a general creditor of the Company. Restricted Stock Units represent an unfunded and unsecured obligation of the Company, subject to the terms and conditions of the applicable Restricted Stock Unit Agreement.

ARTICLE 9. ADJUSTMENTS; DISSOLUTIONS AND LIQUIDATIONS; CORPORATE TRANSACTIONS.

9.1 Adjustments. In the event of a subdivision of the outstanding Common Shares, a declaration of a dividend payable in Common Shares, a combination or consolidation of the outstanding Common Shares (by reclassification or otherwise) into a lesser number of Common Shares or any other increase or decrease in the number of issued Common Shares effected without receipt of consideration by the Company, proportionate adjustments shall be made to the following (provided, that the Administrator shall determine the method and manner in which to effect such equitable adjustment):

- (a) The number and kind of shares available for issuance under Article 3, including the numerical share limits in Articles 3.1, 3.2 and 3.5;
- (b) The number and kind of shares covered by each outstanding Option, SAR, Restricted Stock Unit or other Award; and/or
- (c) The Exercise Price applicable to each outstanding Option and SAR, and the repurchase price, if any, applicable to Restricted Shares.

In the event of a declaration of an extraordinary dividend payable in a form other than Common Shares in an amount that has a material effect on the price of Common Shares, a recapitalization, a spin-off or a similar occurrence, the Administrator may make such adjustments as it, in its sole discretion, deems appropriate to the foregoing. Any adjustment in the number of shares subject to an Award under this Article 9.1 shall be rounded down to the nearest whole share, although the Administrator in its sole discretion may make a cash payment in lieu of a fractional share. Except as provided in this Article 9.1, a Participant shall have no rights by reason of any issuance by the Company of stock of any class or securities convertible into stock of any class, any subdivision or consolidation of shares of stock of any class, the payment of any stock dividend or any other increase or decrease in the number of shares of stock of any class.

9.2 Dissolution or Liquidation. To the extent not previously exercised or settled, Options, SARs and Restricted Stock Units shall terminate immediately prior to the dissolution or liquidation of the Company.

9.3 Corporate Transactions. In the event that the Company is a party to a merger, consolidation, or a Change in Control (other than one described in Article 14.6(d)), all Common Shares acquired under the Plan and all Awards outstanding on the effective date of the transaction shall be treated in the manner described in the definitive transaction agreement (or, in the event the transaction does not entail a definitive agreement to which the Company is party, in the manner determined by the Administrator, with such determination having final and binding effect on all parties), which agreement or determination need not treat all Awards (or portions thereof) in an identical manner. Unless an Award Agreement provides otherwise, the treatment specified in the definitive transaction agreement or by the Administrator may include (without limitation) one or more of the following with respect to each outstanding Award:

- (a) The continuation of such outstanding Award by the Company (if the Company is the surviving entity);

(b) The assumption of such outstanding Award by the surviving entity or its parent, provided that the assumption of an Option or a SAR shall comply with applicable tax requirements;

(c) The substitution by the surviving entity or its parent of an equivalent award for such outstanding Award (including, but not limited to, an award to acquire the same consideration paid to the holders of Common Shares in the transaction), provided that the substitution of an Option or a SAR shall comply with applicable tax requirements;

(d) In the case of an Option or SAR, the cancellation of such Award without payment of any consideration. An Optionee shall be able to exercise such Optionee's outstanding Option or SAR, to the extent such Option or SAR is then vested or becomes vested as of the effective time of the transaction, during a period of not less than five full business days preceding the closing date of the transaction, unless (i) a shorter period is required to permit a timely closing of the transaction and (ii) such shorter period still offers the Optionee a reasonable opportunity to exercise such Option or SAR. Any exercise of such Option or SAR during such period may be contingent on the closing of the transaction;

(e) The cancellation of such Award and a payment to the Participant with respect to each share subject to the portion of the Award that is vested or becomes vested as of the effective time of the transaction equal to the excess of (A) the value, as determined by the Administrator in its absolute discretion, of the property (including cash) received by the holder of a Common Share as a result of the transaction, over (if applicable) (B) the per-share Exercise Price of such Award (such excess, if any, the "**Spread**"). Such payment may be made in the form of cash, cash equivalents, or securities of the surviving entity or its parent having a value equal to the Spread. In addition, any escrow, holdback, earn-out or similar provisions in the definitive transaction agreement may apply to such payment to the same extent and in the same manner as such provisions apply to the holders of Common Shares. If the Spread applicable to an Award (whether or not vested) is zero or a negative number, then the Award may be cancelled without making a payment to the Participant. In the event that an Award is subject to Code Section 409A, the payment described in this clause (e) shall be made on the settlement date specified in the applicable Award Agreement, provided that settlement may be accelerated in accordance with Treasury Regulation Section 1.409A-3(j)(4); or

(f) The assignment of any reacquisition or repurchase rights held by the Company in respect of an Award of Restricted Shares to the surviving entity or its parent, with corresponding proportionate adjustments made to the price per share to be paid upon exercise of any such reacquisition or repurchase rights.

Unless an Award Agreement provides otherwise, each outstanding Award held by a Participant who remains a Service Provider as of the effective time of a Change in Control (a "**Current Participant**") shall become fully vested and, if applicable, exercisable immediately prior to the effective time of the Change in Control, unless such Award is continued, assumed or substituted as provided for in clauses (a), (b) or (c) above. The prior sentence shall not apply to an Award held by a Participant who is not a Current Participant, unless the applicable Award Agreement provides otherwise or unless the Company and the acquirer agree otherwise.

In addition, in the case of an outstanding Award as of the effective time of a Change in Control that is subject to one or more performance-based vesting conditions that have not yet been satisfied, such performance-based vesting conditions shall be deemed achieved at 100% of target levels upon the Change in Control, unless such Award is continued, assumed or substituted as

provided for in clauses (a), (b) or (c) above and such performance-based vesting condition remains measurable and applicable, or unless the applicable Award Agreement provides for different treatment.

For avoidance of doubt, the Administrator shall have the discretion, exercisable either at the time an Award is granted or at any time while the Award remains outstanding, to provide for the acceleration of vesting upon the occurrence of a Change in Control, whether or not the Award is to be assumed or replaced in the transaction, or in connection with a termination of the Participant's Service following a transaction.

Any action taken under this Article 9.3 shall either preserve an Award's status as exempt from Code Section 409A or comply with Code Section 409A.

ARTICLE 10. OTHER AWARDS.

Subject in all events to the limitations under Article 3 above as to the number of Common Shares available for issuance under this Plan, the Company may grant other forms of cash-based, equity-based or equity-related Awards not specifically described herein that the Administrator determines are consistent with the purpose of the Plan and the interests of the Company. In addition, the Company may grant awards under other plans or programs, where such awards are settled in the form of Common Shares issued under this Plan. Such Common Shares shall be treated for all purposes under the Plan like Common Shares issued in settlement of Restricted Stock Units and shall, when issued, reduce the number of Common Shares available under Article 3.

ARTICLE 11. LIMITATION ON RIGHTS.

11.1 Retention Rights. Neither the Plan nor any Award granted under the Plan shall be deemed to give any individual a right to remain a Service Provider. The Company and its Parents, Subsidiaries and Affiliates reserve the right to terminate the Service of any Service Provider at any time, with or without cause, subject to applicable laws, the Company's certificate of incorporation and by-laws and a written employment agreement (if any).

11.2 Shareholders' Rights. Except as set forth in Article 7.4 or 8.4 above, a Participant shall have no dividend rights, voting rights or other rights as a shareholder with respect to any Common Shares covered by such Participant's Award prior to the time when a stock certificate for such Common Shares is issued or, if applicable, the time when they become entitled to receive such Common Shares by filing any required notice of exercise and paying any required Exercise Price. No adjustment shall be made for cash dividends or other rights for which the record date is prior to such time, except as expressly provided in the Plan.

11.3 Regulatory Requirements. Any other provision of the Plan notwithstanding, the obligation of the Company to issue Common Shares under the Plan shall be subject to all applicable laws, rules and regulations and such approval by any regulatory body as may be required. The Company reserves the right to restrict, in whole or in part, the delivery of Common Shares pursuant to any Award prior to the satisfaction of all legal requirements relating to the issuance of such Common Shares, to their registration, qualification or listing or to an exemption from registration, qualification or listing. The inability of the Company to obtain authority from any regulatory body having jurisdiction, which authority is deemed necessary by the Company's counsel to be necessary to the lawful issuance and sale of any Common Shares hereunder, will relieve the Company of any liability in respect of the failure to issue or sell such Common Shares as to which such requisite authority has not been obtained.

11.4 Transferability of Awards. The Administrator may, in its sole discretion, permit transfer of an Award in a manner consistent with applicable law (including, other than an ISO, to a "family member" as such term is defined in the General Instructions to Form S-8 (whether by

gift or a domestic relations order)). Unless otherwise determined by the Administrator, Awards shall be transferable by a Participant only by (a) beneficiary designation, (b) a will or (c) the laws of descent and distribution; provided that, in any event, an ISO may only be transferred by will or by the laws of descent and distribution and may be exercised during the lifetime of the Optionee only by the Optionee or by the Optionee's guardian or legal representative. Any transferee shall be bound by and subject to all of the terms and conditions of the Plan and the Award Agreement relating to the transferred Award and shall execute an agreement satisfactory to the Company evidencing such obligations.

11.5 Recoupment Policy. All Awards granted under the Plan, all amounts paid under the Plan and all Common Shares issued under the Plan shall be subject to recoupment, clawback or recovery by the Company in accordance with applicable law and with Company policy (whenever adopted) regarding same, whether or not such policy is intended to satisfy the requirements of the Dodd-Frank Wall Street Reform and Consumer Protection Act, the Sarbanes-Oxley Act, or other applicable law, as well as any implementing regulations and/or listing standards.

11.6 Other Conditions and Restrictions on Common Shares. Any Common Shares issued under the Plan shall be subject to such forfeiture conditions, rights of repurchase, rights of first refusal, other transfer restrictions and such other terms and conditions as the Administrator may determine. Such conditions and restrictions shall be set forth in the applicable Award Agreement and shall apply in addition to any restrictions that may apply to holders of Common Shares generally. In addition, Common Shares issued under the Plan shall be subject to such conditions and restrictions imposed either by applicable law or by Company policy, as adopted from time to time, designed to ensure compliance with applicable law or laws with which the Company determines in its sole discretion to comply including in order to maintain any statutory, regulatory or tax advantage.

ARTICLE 12. TAXES.

12.1 General. It is a condition to each Award under the Plan that a Participant or such Participant's successor shall make such arrangements that may be necessary, in the opinion of the Administrator or the Company, for the satisfaction of any federal, state, local or foreign withholding tax obligations that arise in connection with any Award granted under the Plan. The Company shall not be required to issue any Common Shares or make any cash payment under the Plan unless such obligations are satisfied.

12.2 Share Withholding. To the extent that applicable law subjects a Participant to tax withholding obligations, the Administrator may permit such Participant to satisfy all or part of such obligations by having the Company withhold all or a portion of any Common Shares that otherwise would be issued to such Participant or by surrendering all or a portion of any Common Shares that they previously acquired. Such Common Shares shall be valued on the date when they are withheld or surrendered. Any payment of taxes by assigning Common Shares to the Company may be subject to restrictions, including any restrictions required by the Securities and Exchange Commission, accounting or other rules.

12.3 Section 409A Matters. Except as otherwise expressly set forth in an Award Agreement, it is intended that Awards granted under the Plan either be exempt from, or comply with, the requirements of Code Section 409A. To the extent an Award is subject to Code Section 409A (a "409A Award"), the terms of the Plan, the Award and any Award Agreement shall be interpreted to comply with the requirements of Code Section 409A so that the Award is not subject to additional tax or interest under Code Section 409A, unless the Administrator expressly provides otherwise. A 409A Award shall be subject to such additional rules and requirements as specified by the Administrator from time to time in order for it to comply with the requirements of Code Section 409A. In this regard, if any amount under a 409A Award is payable upon a "separation from service" to an individual who is considered a "specified employee" (as each

term is defined under Code Section 409A), then no such payment shall be made prior to the date that is the earlier of (a) six months and one day after the Participant's separation from service or (b) the Participant's death, but only to the extent such delay is necessary for such payment to comply with the requirements of Code Section 409A(a)(2)(B)(i). Further, no Participant or the creditors or beneficiaries of a Participant shall have the right to subject any deferred compensation (within the meaning of Code Section 409A) payable under the Plan to any anticipation, alienation, sale, transfer, assignment, pledge, encumbrance, attachment or garnishment. Except as permitted under Code Section 409A, any deferred compensation (within the meaning of Code Section 409A) payable to any Participant or for the benefit of any Participant under the Plan may not be reduced by, or offset against, any amount owing by any such Participant to the Company, any Subsidiary, or any Affiliate. Each Participant is solely responsible and liable for the satisfaction of all taxes and penalties that may be imposed on or in respect of such Participant in connection with this Plan, including any taxes and penalties under Code Section 409A, and neither the Company, nor any Subsidiary or any Affiliate shall have any obligation to indemnify or otherwise hold such Participant or any beneficiary harmless from such taxes or penalties. With respect to any 409A Award, references in the Plan to "termination of employment" (and substantially similar phrases) shall mean "separation from service" within the meaning of Code Section 409A. For purposes of Code Section 409A, each of the payments that may be made in respect of any Award granted under the Plan is designated as a separate payment.

12.4 Limitation on Liability. Neither the Company nor any person serving as Administrator shall have any liability to a Participant in the event an Award held by the Participant fails to achieve its intended characterization under applicable tax law.

ARTICLE 13. FUTURE OF THE PLAN.

13.1 Term of the Plan. The Plan, as set forth herein, shall become effective on the date the Board approved the adoption of the Plan, subject to approval by the Company's shareholders. The Plan shall terminate automatically 10 years after the date when the Board approved the adoption of the Plan, and no Award shall be granted under the Plan thereafter. Unless otherwise expressly provided in the Plan or in an applicable Award Agreement, any Award granted under the Plan on or prior to such tenth anniversary, and the authority of the Administrator to amend, alter, adjust, suspend, discontinue or terminate any such Award or to waive any conditions or rights under any such Award, shall nevertheless continue thereafter.

13.2 Amendment or Termination. Subject to Section 13.3, the Board may, at any time and for any reason, amend or terminate the Plan without shareholder approval; provided, that any amendment of the Plan shall not materially and adversely affect any of the rights or obligations of any Participant under an Award previously granted to such Participant under the Plan, without such affected Participant's consent (except to the extent deemed necessary to comply with any applicable law, government regulation, the rules of any principal securities exchange or market on which the Common Shares are then traded, or to preserve favorable accounting or tax treatment of any Award for the Company). No Awards shall be granted under the Plan after the termination thereof. The termination of the Plan, or any amendment thereof, shall not affect any Award previously granted under the Plan.

13.3 Shareholder Approval. An amendment of the Plan shall be subject to the approval of the Company's shareholders only to the extent required by any applicable law, government regulation, or the rules of any principal securities exchange or market on which the Common Shares are then traded.

ARTICLE 14. DEFINITIONS.

14.1 "Administrator" means the Board or any Committee administering the Plan in accordance with Article 2.

14.2 “Affiliate” means (a) any entity that, directly or indirectly, is controlled by, controls or is under common control with, the Company and/or (b) any entity in which the Company has a significant equity interest, in either case as determined by the Administrator.

14.3 “Award” means any award granted under the Plan, including as an Option, a SAR, a Restricted Share award, a Restricted Stock Unit award or another form of cash-based, equity-based or equity-related award that the Administrator determines is consistent with the purpose of the Plan and the interests of the Company.

14.4 “Award Agreement” means a Stock Option Agreement, a SAR Agreement, a Restricted Stock Agreement, a Restricted Stock Unit Agreement or such other agreement evidencing an Award granted under the Plan.

14.5 “Board” means the Company’s Board of Directors, as constituted from time to time and, where the context so requires, reference to the “Board” may refer to a Committee to whom the Board has delegated authority to administer any aspect of this Plan.

14.6 “Change in Control” means:

(a) Any “person” (as such term is used in Sections 13(d) and 14(d) of the Exchange Act) becomes the “beneficial owner” (as defined in Rule 13d-3 of the Exchange Act), directly or indirectly, of securities of the Company representing more than fifty percent (50%) of the total voting power represented by the Company’s then-outstanding voting securities;

(b) The consummation of the sale or disposition by the Company of all or substantially all of the Company’s assets;

(c) The consummation of a merger or consolidation of the Company with or into any other entity, other than a merger or consolidation which would result in the voting securities of the Company outstanding immediately prior thereto continuing to represent (either by remaining outstanding or by being converted into voting securities of the surviving entity or its parent) more than fifty percent (50%) of the total voting power represented by the voting securities of the Company or such surviving entity or its parent outstanding immediately after such merger or consolidation; or

(d) A transaction in which individuals who are members of the Board (the “**Incumbent Board**”) cease for any reason to constitute at least a majority of the members of the Board over a period of 12 months; provided, however, that if the appointment or election (or nomination for election) of any new Board member was approved or recommended by at least a majority of the members of the Incumbent Board then still in office (either by a specific vote or by approval of the proxy statement of the Company in which the individual is named as a nominee for director, without written objection to such nomination), such new member shall, for purposes of this Plan, be considered as a member of the Incumbent Board; provided, further, that no individual initially elected or nominated as a Board member as a result of an actual or threatened election contest with respect to Board members or as a result of any other actual or threatened solicitation of proxies or consents by or on behalf of any person other than the Board will be deemed to be a member of the Incumbent Board.

A transaction shall not constitute a Change in Control if its sole purpose is to change the state of the Company’s incorporation or to create a holding company that will be owned in substantially the same proportions by the persons who held the Company’s securities immediately before such transaction. In addition, if a Change in Control constitutes a payment or settlement event with respect to any Award which provides for a deferral of compensation and is subject to Code Section 409A, then, notwithstanding anything to the contrary in the Plan or applicable Award Agreement, the payment or settlement of such Award may accelerate upon a Change in Control for purposes of the Plan or any Award Agreement only if such Change in Control also constitutes

a “change in ownership”, “change in effective control”, or “change in the ownership of a substantial portion of the Company’s assets” as defined under Code Section 409A (it being understood that vesting of the Award may accelerate upon a Change in Control, even if payment or settlement of the Award may not accelerate pursuant to this sentence).

14.7 “Code” means the Internal Revenue Code of 1986, as amended, or any successor statute thereto, and the regulations promulgated thereunder.

14.8 “Committee” means a committee of one or more members of the Board, or of other individuals satisfying applicable laws, appointed by the Board to administer the Plan.

14.9 “Common Share” means one share of the Company’s common stock (and any stock or other securities into which such share may be converted or into which it may be exchanged).

14.10 “Company” means Shapeways Holdings, Inc., a Delaware corporation.

14.11 “Consultant” means a consultant or adviser who provides *bona fide* services to the Company, a Parent, a Subsidiary or an Affiliate as an independent contractor and who qualifies as a consultant or advisor under Instruction A.1.(a)(1) of Form S-8 under the Securities Act.

14.12 “Employee” means an employee of the Company, a Parent, a Subsidiary or an Affiliate (whether as a common law employee, statutory employee, or otherwise).

14.13 “Exchange Act” means the Securities Exchange Act of 1934, as amended, or any successor statute thereto, and the regulations promulgated thereunder.

14.14 “Exercise Price,” in the case of an Option, means the amount for which one Common Share may be purchased upon exercise of such Option, as specified in the applicable Stock Option Agreement. “Exercise Price,” in the case of a SAR, means an amount, as specified in the applicable SAR Agreement, which is subtracted from the Fair Market Value of one Common Share in determining the amount payable upon exercise of such SAR.

14.15 “Fair Market Value” means the closing price of a Common Share on any established stock exchange or a national market system on the applicable date or, if the applicable date is not a trading day, on the last trading day prior to the applicable date, as reported in a source that the Administrator deems reliable. If Common Shares are not traded on an established stock exchange or a national market system, the Fair Market Value shall be determined by the Administrator in good faith on such basis as it deems appropriate. The Administrator’s determination shall be final, conclusive and binding on all persons. Notwithstanding the foregoing, the determination of Fair Market Value in all cases shall be in accordance with the requirements set forth under Code Section 409A to the extent necessary for an Award to comply with, or be exempt from, Code Section 409A.

14.16 “ISO” means an incentive stock option described in Code Section 422(b).

14.17 “NSO” means a stock option not described in Code Sections 422 or 423.

14.18 “Option” means an ISO or NSO granted under the Plan and entitling the Optionee to purchase Common Shares.

14.19 “Optionee” means a Service Provider holding an Option or SAR.

14.20 “Outside Director” means a member of the Board who is not an Employee.

14.21 “Parent” means any corporation or entity (other than the Company) in an unbroken chain of corporations or entities ending with the Company, if each of the corporations or entities other than the Company owns stock possessing 50% or more of the total combined voting power of all classes of stock in one of the other corporations or entities in such chain. A corporation or entity that attains the status of a Parent on a date after the adoption of the Plan shall be considered a Parent commencing as of such date.

14.22 “Participant” means a Service Provider holding an Award.

14.23 “Plan” means this Shapeways Holdings, Inc. 2021 Equity Incentive Plan, as amended from time to time.

14.24 “Restricted Share” means a Common Share awarded under the Plan that is subject to certain transfer restrictions, forfeiture provisions and/or other terms and conditions specified herein and in the applicable Restricted Stock Agreement.

14.25 “Restricted Stock Agreement” means the agreement consistent with the terms of the Plan between the Company and the Service Provider that contains the terms, conditions and restrictions pertaining to such Restricted Share.

14.26 “Restricted Stock Unit” means a bookkeeping entry representing the equivalent of one Common Share, as awarded under the Plan.

14.27 “Restricted Stock Unit Agreement” means the agreement consistent with the terms of the Plan between the Company and the Service Provider that contains the terms, conditions and restrictions pertaining to such Restricted Stock Unit.

14.28 “SAR” means a stock appreciation right granted under the Plan.

14.29 “SAR Agreement” means the agreement consistent with the terms of the Plan between the Company and an Optionee that contains the terms, conditions and restrictions pertaining to such Optionee’s SAR.

14.30 “Securities Act” means the Securities Act of 1933, as amended, or any successor statute thereto, and the regulations promulgated thereunder.

14.31 “Service” means service as a Service Provider. In the event of any dispute over whether and when Service has terminated, the Administrator shall have sole discretion to determine whether such termination has occurred and the effective date of such termination.

14.32 “Service Provider” means any individual who is an Employee, Outside Director or Consultant, including any prospective Employee, Outside Director or Consultant who has accepted an offer of employment or service and will be an Employee, Outside Director or Consultant after the commencement of their service.

14.33 “Stock Option Agreement” means the agreement consistent with the terms of the Plan between the Company and an Optionee that contains the terms, conditions and restrictions pertaining to such Optionee’s Option.

14.34 “Subsidiary” means any corporation or other entity (other than the Company) in an unbroken chain of corporations or entities beginning with the Company, if each of the corporations or entities other than the last corporation or entity in the unbroken chain owns stock possessing 50% or more of the total combined voting power of all classes of stock in one of the other corporations or entities in such chain. A corporation or entity that attains the status of a Subsidiary on a date after the adoption of the Plan shall be considered a Subsidiary commencing as of such date.

14.35 “Substitute Awards” means Awards or Common Shares issued by the Company in assumption of, or substitution or exchange for, awards previously granted, or the right or obligation to make future awards, in each case by a corporation or other entity acquired by the Company, any Subsidiary or any Affiliate or with which the Company, any Subsidiary or any Affiliate combines to the extent permitted by the applicable exchange listing requirements.

Shapeways Holdings, Inc.
2021 Equity Incentive Plan
Notice of Restricted Stock Unit Award
For Non-U.S. Recipients

You have been granted Restricted Stock Units (“RSUs”), each representing the right to receive one Common Share of Shapeways Holdings, Inc. (the “Company”), on the following terms:

Name of Recipient:	«Name»
Total Number of RSUs Granted:	«TotalRSUs»
Date of Grant:	«DateGrant»
Vesting Commencement Date	«VestCommDate»
Vesting Schedule:	25% of the RSUs subject to this award will vest on the first anniversary of the Vesting Commencement Date and an additional 6.25% of the RSUs subject to this award will vest on each three-month anniversary of the Vesting Commencement Date occurring thereafter (or if there is no corresponding date, on the last day of the applicable month), in each case, subject to your continuous service as an Employee or Consultant (“Service”) through each such vesting date.

You and the Company agree that these RSUs are granted under and governed by the terms and conditions of the Company’s 2021 Equity Incentive Plan (the “Plan”) and the Restricted Stock Unit Agreement for Non-U.S. Recipients, including any additional terms and conditions for your country set forth in the appendix thereto (the “Appendix” and, together with the Restricted Stock Unit Agreement for Non-U.S. Recipients, the “Agreement”), all of which are attached to, and made a part of, this document. Capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the Plan or the Agreement, as applicable.

The Company may, in its sole discretion, decide to deliver any documents related to RSUs or the Plan, and all documents that the Company is required to deliver to shareholders (including annual reports and proxy statements), by email or other electronic means (including posting them on a website maintained by the Company or a third party under contract with the Company). You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through any online or electronic system established and maintained by the Company or a third party designated by the Company. You acknowledge that you may incur costs in connection with any such delivery by means of electronic transmission, including the cost of accessing the Internet and printing fees, and that an interruption of Internet access may interfere with your ability to access the documents.

You further agree to comply with the Company's *Insider Trading Policy*, as in effect from time to time, when selling common shares.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan**

Restricted Stock Unit Agreement for Non-U.S. Recipients

Grant of RSUs

Subject to all of the terms and conditions set forth in the Shapeways Holdings, Inc. 2021 Equity Incentive Plan (the “**Plan**”), the Notice of Restricted Stock Unit Award for Non-U.S. Recipients (the “**Grant Notice**”), and this Restricted Stock Unit Agreement for Non-U.S. Recipients, including any additional terms and conditions for your country set forth in the appendix attached hereto (the “**Appendix**” and, together with the Restricted Stock Unit Agreement for Non-U.S. Recipients, this “**Agreement**”), the Company has granted to you the number of RSUs set forth in the Grant Notice.

All capitalized terms used in this Agreement shall have the meanings assigned to them in this Agreement, the Grant Notice or the Plan, as applicable.

Nature of RSUs

Your RSUs are bookkeeping entries. They represent only the Company’s unfunded and unsecured promise to issue Common Shares on a future date, subject to the terms and conditions of this Agreement, the Grant Notice and the Plan. As a holder of RSUs, you have no rights other than the rights of a general creditor of the Company.

**Payment for RSUs
Vesting**

No payment is required for the RSUs that you are receiving.

The RSUs vest in accordance with the vesting schedule set forth in the Grant Notice.

In no event will any additional RSUs vest after your Service has terminated for any reason unless expressly provided in a written agreement between you and the Company. For the avoidance of doubt, Service during only a portion of the vesting schedule, but where your Service terminates prior to a vesting date, will not entitle you to vest in a pro-rata portion of the RSUs or to compensation for lost vesting.

Termination of Service/Forfeiture

If your Service terminates for any reason, then your RSUs will be forfeited to the extent that they have not vested before the termination date and do not vest as a result of the termination of your Service. This means that any RSUs that have not vested under this Agreement will be cancelled immediately. You will receive no payment for RSUs that are forfeited.

For purposes of the RSUs, your Service will be considered terminated as of the date you are no longer actively providing services to the Company or any Parent, Subsidiary or Affiliate (regardless of the reason for such termination and whether or not later found to be invalid or in breach of employment laws in the jurisdiction where you are employed or otherwise rendering services or the terms of your employment or other service agreement, if any) and will not be extended by any notice period (e.g., your Service will not be extended by any contractual notice period or period of “garden leave” or similar period mandated under employment laws in the jurisdiction where you are employed or otherwise rendering services or the terms of your employment or other service agreement, if any). The Administrator shall have exclusive discretion to determine when you are no longer actively providing services for purposes of the RSUs (including when you are no longer considered to be in continued Service while on a leave of absence).

Leaves of Absence and Part-Time Work

For purposes of this award, your Service does not terminate when you go on a military leave, a sick leave or another *bona fide* leave of absence, if the leave was approved by the Company in writing. However, except as otherwise determined by the Company, your Service terminates when the approved leave ends, unless you immediately return to active work.

If you go on an unpaid leave of absence that lasts more than thirty days, then, to the extent permitted by applicable law, the vesting schedule specified in the Grant Notice will be suspended on the thirty-first day of such unpaid leave, and this award will not vest with respect to any additional RSUs during the remainder of such leave. Vesting will resume when you return to active Service. If you go on a paid leave of absence, the vesting schedule specified in the Grant Notice may be suspended and/or adjusted in accordance with the Company’s leave of absence policy or the terms of your leave.

If you commence working on a part-time basis, the Company may adjust the vesting schedule so that the rate of vesting is commensurate with your reduced work schedule, to the extent permitted by applicable law.

Settlement of RSUs

Each RSU will be settled as soon as practicable on or following the date when it vests, and in any event within the “short-term deferral period” as defined under Code Section 409A. At the Administrator’s discretion, settlement may occur on fixed dates established by the Administrator for settlement of RSUs. In no event will you be permitted, directly or indirectly, to specify the taxable year of settlement of any RSUs subject to this award.

At the time of settlement, you will receive one Common Share for each vested RSU (plus payment of any dividend equivalents).

Section 409A

Settlement of these RSUs is intended to be exempt from the application of Code Section 409A pursuant to the “short-term deferral” exemption under Treasury Regulation Section 1.409A-1(b)(4), and this Agreement and the Grant Notice shall be administered and interpreted in a manner that complies with such exemption.

Notwithstanding the foregoing, if it is determined that settlement of these RSUs is not exempt from Code Section 409A and the Company determines that you are a “specified employee,” as defined in the regulations under Code Section 409A at the time of your “separation from service,” as defined in Treasury Regulation Section 1.409A-1(h), then this paragraph will apply. If this paragraph applies, and the event triggering settlement is your “separation from service,” then any RSUs that otherwise would have been settled during the first six months following your “separation from service” will instead be settled on the first business day following the earlier of (i) the six-month anniversary of your separation from service or (ii) your death.

Each installment of RSUs that vests is hereby designated as a separate payment for purposes of Code Section 409A.

No Voting Rights; Dividend Equivalents

Your RSUs carry neither voting rights nor rights to cash dividends. You have no rights as a stockholder of the Company unless and until your RSUs are settled by issuing Common Shares. Each of your RSUs shall be credited with dividend equivalents, which shall be withheld by the Company for your account. Dividend equivalents credited to your account and attributable to an RSU shall be distributed (without interest) to you at the same time as the underlying Common Share is delivered upon settlement of such RSU and if such RSU is forfeited, you shall have no right to such dividend equivalents. Dividend equivalents may be payable, in the discretion of the Company, (x) in cash, (y) in Common Shares with a Fair Market Value as of the date the RSUs are settled equal to the dividend equivalents, or (z) in an adjustment to the underlying number of Common Shares subject to the RSUs.

RSUs Nontransferable

The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered (a “**Transfer**”) by you other than by will or by the laws of descent and distribution, pursuant to a qualified domestic relations order or as otherwise permitted under the Plan; provided, that in case of any such permitted transfer, (i) the vesting, forfeiture and clawback provisions shall continue to relate to your Service and any termination thereof and (ii) such transfer shall be subject to such advance notice and other rules and requirements as determined by the Administrator in its sole discretion. Any attempted Transfer of the RSUs contrary to the provisions hereof, and the levy of any execution, attachment or similar process upon the RSUs, shall be null and void and without effect. In addition, regardless of any marital property settlement agreement, the Company is not obligated to recognize your former spouse’s interest in your RSUs in any way.

Beneficiary Designation

You may dispose of your RSUs in a written beneficiary designation if authorized by the Company and to the extent such beneficiary designation is valid under applicable law. Any beneficiary designation must be filed with the Company on the proper form. It will be recognized only if it has been received at the Company’s headquarters before your death. If you do not file any beneficiary designation, if the beneficiary designation is not valid or if none of your designated beneficiaries survives you, then your estate will receive any vested RSUs that you hold at the time of your death.

Responsibility for Taxes

Regardless of any action the Company or, if different, the Parent, Subsidiary or Affiliate employing or otherwise retaining you (the "**Service Recipient**") takes with respect to any or all income tax, social insurance, payroll tax, fringe benefits tax, payment on account or other tax-related items related to your participation in the Plan and legally applicable or deemed legally applicable to you ("**Tax-Related Items**"), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount, if any, actually withheld by the Company and/or the Service Recipient. You further acknowledge that the Company and the Service Recipient (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant, vesting or settlement of the RSUs, the issuance of Common Shares upon settlement of the RSUs, the subsequent sale of Common Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (2) do not commit to, and are under no obligation to, structure the terms of the RSUs or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Service Recipient (or former service recipient, as applicable) may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

In connection with any relevant taxable or tax withholding event, as applicable, you agree to make adequate arrangements satisfactory to the Company and/or the Service Recipient to satisfy all Tax-Related Items. In this regard, you authorize the Company and/or the Service Recipient, or their respective agents, to satisfy any withholding obligations with regard to Tax-Related Items by one or a combination of the following, as determined by the Administrator:

- Withholding the amount of any Tax-Related Items from your wages or other cash compensation payable to you by the Company, any Parent, Subsidiary or Affiliate;
- Instructing a brokerage firm selected by the Company for this purpose to sell on your behalf a number of whole Common Shares to be issued to you when the RSUs are settled that the Company determines are appropriate to generate cash proceeds sufficient to satisfy the withholding obligation for Tax-Related Items. This method of satisfying your Tax-Related Items is referred to as "sale-to-cover." You acknowledge that the Company or its designee is under no obligation to arrange for such sale at any particular price. Regardless of whether the Company arranges for such sale, you will be responsible for all fees and other costs of sale, and you agree to indemnify and hold the Company harmless from any losses, costs, damages or expenses relating to any such sale;

- Withholding Common Shares that would otherwise be issued to you when the RSUs are settled equal in value to the withholding obligation for Tax-Related Items. The fair market value of the withheld Common Shares, determined as of the date when taxes otherwise would have been withheld in cash, will be applied to the Tax-Related Items; or
- Any other means approved by the Administrator.

To the extent the Administrator elects to satisfy the Tax-Related Items by means of a sale-to-cover, you hereby authorize the Company to instruct the broker whom it has selected for this purpose to sell a number of Common Shares to be issued upon settlement of your RSUs necessary to satisfy the withholding obligation for Tax-Related Items.

The Company may withhold or account for Tax-Related Items by considering statutory or other withholding rates, including minimum or maximum rates applicable in your jurisdiction(s). In the event of over-withholding, you may receive a refund of any over-withheld amount in cash and will have no entitlement to the equivalent in Common Shares, or, if not refunded, you may be able to seek a refund from the applicable tax authorities. In the event of under-withholding, you may be required to pay additional Tax-Related Items directly to the applicable tax authorities or to the Company or the Service Recipient. If the withholding obligation for Tax-Related Items is satisfied by withholding Common Shares, for tax purposes, you will be deemed to have been issued the full number of Common Shares subject to the RSUs, notwithstanding that a number of Common Shares is held back solely for the purpose of paying the Tax-Related Items.

Finally, you shall pay to the Company or the Service Recipient any amount of Tax-Related Items that the Company or the Service Recipient may be required to withhold as a result of your participation in the Plan or your acquisition of Common Shares that cannot be satisfied by the means previously described. The Company may refuse to deliver the Common Shares or proceeds from the sale of such Common Shares, if you fail to comply with your obligations in connection with the Tax-Related Items as described in this section, and you will permanently forfeit the applicable RSUs (and related underlying Common Shares and any related dividend equivalents).

Restrictions on Issuance

The Company will not issue any Common Shares to you if the issuance of Common Shares at that time would violate any law or regulation.

Notwithstanding any other provision in the Plan, the Grant Notice or this Agreement, unless there is an available exemption from registration, qualification or other legal requirement applicable to the Common Shares, the Company shall not be required to issue any Common Shares to you prior to the completion of any registration or qualification of the Common Shares under any U.S. or non-U.S. federal, state or local securities law or under rulings or regulations of the U.S. Securities and Exchange Commission (“SEC”) or of any other governmental body, or prior to obtaining any approval or other clearance from any U.S. or non- U.S. federal, state or local governmental agency, which registration, qualification or approval the Company shall, in its absolute discretion, deem necessary or advisable. You understand that the Company is under no obligation to register or qualify the Common Shares with the SEC or any state securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the Common Shares.

Restrictions on Resale

You agree not to sell any Common Shares at a time when applicable laws, Company policies or an agreement between the Company and its underwriters prohibit a sale. This restriction will apply as long as your Service continues and for such period of time after the termination of your Service as the Company may specify.

No Retention Rights

Neither your award nor any documentation related thereto (including this Agreement, the Grant Notice and the Plan) gives you the right to be retained by the Company or the Service Recipient in any capacity. The Company and the Service Recipient, as applicable, reserve the right to terminate your Service at any time, with or without cause.

Nature of Grant

By accepting the RSUs, you acknowledge, understand and agree that:

- the Plan is established voluntarily by the Company, is wholly discretionary in nature and may be modified, amended, suspended, or terminated by the Company at any time, to the extent permitted by the Plan;
- the grant of the RSUs is exceptional, voluntary and occasional and does not create any contractual or other right to receive future grants of restricted stock units, or benefits in lieu of restricted stock units, even if restricted stock units have been granted in the past;
- all decisions with respect to future grants of restricted stock units or other grants, if any, will be at the sole discretion of the Company;
- you are voluntarily participating in the Plan;
- the RSUs and your participation in the Plan shall not create a right of Service with the Company;
- the RSUs and any Common Shares acquired under the Plan, and the income from and value of the same, are not intended to replace any pension rights or compensation;
- the RSUs and any Common Shares acquired under the Plan, and the income from and value of the same, are not part of normal or expected compensation for any purpose, including but not limited to, calculating any severance, resignation, termination, redundancy, dismissal, end-of-service payments, bonuses, long-service awards, holiday pay, pension or retirement or welfare benefits or similar payments;
- the future value of the Common Shares underlying the RSUs is unknown, indeterminable, and cannot be predicted with certainty;
- no claim or entitlement to compensation or damages shall arise from forfeiture of any portion of the RSUs resulting from your termination of Service (for any reason whatsoever and regardless of whether or not later found to be invalid or in breach of employment or other laws in the jurisdiction where you are employed or otherwise rendering services or the terms of your employment or other service agreement, if any);

- unless otherwise agreed with the Company in writing, the RSUs and the Common Shares subject to the RSUs, and the income from and value of the same, are not granted as consideration for, or in connection with, the Service you may provide as a director of any Subsidiary or Affiliate; and
- neither the Company, the Service Recipient nor any other Parent, Subsidiary or Affiliate shall be liable for any foreign exchange rate fluctuation between your local currency and the U.S. dollar that may affect the value of the RSUs or of any amounts due to you pursuant to the vesting of the RSUs or the subsequent sale of any Common Shares acquired upon settlement of the RSUs.

Data Privacy and Consent

- (a) **Data Collection and Usage.** *The Company and the Service Recipient collect, process and use certain personal information about you, including, but not limited to, your name, home address and telephone number, email address, date of birth, social insurance, passport or other identification number, salary, nationality, job title, any shares or directorships held in the Company, details of all stock options or any other entitlement to shares or equivalent benefits awarded, canceled, exercised, vested, unvested or outstanding in your favor (“Data”), for the purpose of implementing, administering and managing the Plan. The legal basis, where required, for the processing of Data is your consent.*
- (b) **Stock Plan Administration Service Providers.** *The Company transfers Data to [INSERT STOCK ADMIN PROVIDER/BROKER NAME] (“Stock Plan Administrator”), an independent service provider based in the United States, which is assisting the Company with the implementation, administration and management of the Plan. The Company may select a different service provider or additional service providers and share Data with such other provider(s) serving in a similar manner. You may be asked to agree on separate terms and data processing practices with the Stock Plan Administrator, with such agreement being a condition to the ability to participate in the Plan.*
- (c) **International Data Transfers.** *The Company and Stock Plan Administrator are based in the United States. Your country or jurisdiction may have different data privacy laws and protections than the United States. The Company’s legal basis, where required, for the transfer of Data is your consent.*
- (d) **Data Retention.** *The Company will hold and use Data only as long as is necessary to implement, administer and manage your participation in the Plan, or as required to comply with legal or regulatory obligations, including under tax, exchange control, securities, labor and other laws. This means Data may be retained until after your Service is terminated.*
- (e) **Voluntariness and Consequences of Consent Denial or Withdrawal.** *Participation in the Plan is voluntary, and you are providing the consents herein on a purely voluntary basis. If you do not consent, or if you later seek to revoke your consent, your compensation from or Service with the Service Recipient will not be affected; the only consequence of refusing or withdrawing your consent is that the Company would not be able to grant the RSUs or other awards to you or administer or maintain such awards.*
- (f) **Data Subject Rights.** *You may have a number of rights under data privacy laws in your jurisdiction. Depending on where you are based, such rights may include the right to (i) request access or copies of Data the Company processes, (ii) rectification of incorrect Data, (iii) deletion of Data, (iv) restrictions on processing of Data, (v) portability of Data, (vi) lodge complaints with competent authorities in your jurisdiction, and/or (vii) receive a list with the names and addresses of any potential recipients of Data. To receive clarification regarding these rights or to exercise these rights, you can contact your local human resources representative.*

No Advice Regarding Grant	The Company is not providing any tax, legal or financial advice, nor is the Company making any recommendations regarding your participation in the Plan, or your acquisition or sale of the underlying Common Shares. You should consult with your own personal tax, legal and financial advisors regarding your participation in the Plan before taking any action related to the Plan.
Adjustments	In the event of a stock split, stock dividend, reorganization and recapitalization or a similar change in Company stock, the number of your RSUs will be adjusted pursuant to the Plan.
Effect of Significant Corporate Transactions	If the Company is a party to a merger, consolidation, or certain change in control transactions, then your RSUs will be subject to the applicable provisions of Article 9 of the Plan, <u>provided</u> that any action taken must either (a) preserve the exemption of your RSUs from Code Section 409A or (b) comply with Code Section 409A.
No Fractional Shares	No fractional Common Shares will be issued upon settlement. In lieu of issuing a fractional Common Share resulting from an adjustment of the RSUs pursuant to the Plan or otherwise, the Company shall be entitled to pay to you a cash amount equal to the Fair Market Value of such fractional Common Share.
Recoupment Policy	This award, and the Common Shares acquired upon settlement of this award, shall be subject to recoupment or clawback under any Company policy in effect from time to time, or to the extent required by applicable law in effect at the relevant time (including, without limitation, Section 304 of the Sarbanes-Oxley Act and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act) and/or the rules and regulations of any applicable securities exchange or inter-dealer quotation system on which the Common Shares may be listed or quoted.
Language	You acknowledge that you are sufficiently proficient in English, or have consulted with an advisor who is sufficiently proficient in English, so as to allow you to understand the terms and conditions of this Agreement. If you have received this Agreement, or any other documents related to the Plan translated into a language other than English and if the meaning of the translated version is different from the English version, the English version will control.
Appendix	Notwithstanding any provisions in this Restricted Stock Unit Agreement for Non-U.S. Recipients, the RSUs shall be subject to any additional terms and conditions for your country set forth in the Appendix attached hereto. Moreover, if you relocate to one of the countries included in the Appendix, the additional terms and conditions for such country, if any, will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons. The Appendix constitutes part of this Agreement.
Imposition of Other Requirements	The Company reserves the right to impose other requirements on your participation in the Plan and on any Common Shares acquired under the Plan, if the Company determines it is necessary or advisable for legal or administrative reasons, and to require you to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.

Insider Trading/Market Abuse

By accepting the RSUs, you acknowledge that you are bound by all the terms and conditions of the Company's Insider Trading Policy as may be in effect from time to time. You further acknowledge that, depending on your or your broker's country or the country in which the Common Shares are listed, you may be subject to insider trading restrictions and/or market abuse laws which may affect your ability, directly or indirectly, to accept, acquire, sell or attempt to sell, or otherwise dispose of Common Shares, rights to Common Shares (e.g., RSUs) or rights linked to the value of Common Shares, during such times as you are considered to have "inside information" regarding the Company (as defined by the laws in the applicable jurisdiction(s)). Local insider trading laws and regulations may prohibit the cancellation or amendment of orders you placed before possessing the inside information. Furthermore, you understand that you may be prohibited from (i) disclosing the inside information to any third party, including fellow employees (other than on a "need to know" basis) and (ii) "tipping" third parties by sharing with them Company inside information, or otherwise causing third parties to buy or sell Company securities. Any restrictions under these laws or regulations are separate from and in addition to restrictions that may apply to you under the Company's Insider Trading Policy as may be in effect from time to time. You acknowledge that it is your responsibility to comply with the Company's Insider Trading Policy and any applicable regulatory trading restrictions. You should consult with your personal legal advisor on this matter.

Foreign Asset/Account Reporting Requirements

You acknowledge that there may be certain foreign asset and/or account reporting requirements which may affect your ability to acquire or hold Common Shares or cash received from participating in the Plan (including from any dividends or dividend equivalents paid on Common Shares) in a brokerage or bank account outside your country. You may be required to report such accounts, assets, or related transactions to the tax or other authorities in your country. You may also be required to repatriate sale proceeds or other funds received as a result of your participation in the Plan to your country within a certain time after receipt. You acknowledge that it is your responsibility to comply with such regulations and that you should speak with a personal legal advisor on this matter.

Amendment and Waiver

The Administrator, at any time, and from time to time, may amend the terms of the Grant Notice or this Agreement; provided, however, that your rights shall not be materially and adversely affected without your written consent, subject to the provisions in the Imposition of Other Requirements section above.

Any right of the Company contained in the Grant Notice or this Agreement may be waived in writing by the Administrator. No waiver of any right hereunder by any party shall operate as a waiver of any other right, or as a waiver of the same right with respect to any subsequent occasion for its exercise, or as a waiver of any right to damages. No waiver by any party of any breach of the Grant Notice or this Agreement shall be held to constitute a waiver of any other breach or a waiver of the continuation of the same breach.

Applicable Law; Consent to Jurisdiction; Waiver of Jury Trial

This Agreement and the Grant Notice will be interpreted and enforced under the laws of the State of Delaware without regard to its choice-of-law provisions or principles of conflicts of laws of any other jurisdiction which could cause the application of the laws of any jurisdiction other than the State of Delaware.

You and the Company (on behalf of itself and its Parent, Subsidiaries and Affiliates) each consents to the exclusive jurisdiction in a Delaware state or a federal court sitting in Wilmington, Delaware, and each waives any other requirement (whether imposed by statute, rule of court or otherwise) with respect to personal jurisdiction or service of process and waives any objection to jurisdiction based on improper venue or improper jurisdiction. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY, IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THE PLAN, THE GRANT NOTICE OR THIS AGREEMENT.

Successors; Interpretation

The terms of the Grant Notice and this Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, and of you and your beneficiaries, executors, administrators, heirs and successors. The invalidity or unenforceability of any provision of this Agreement (or the Grant Notice, as applicable) shall not affect the validity or enforceability of any other provision of this Agreement (or the Grant Notice, as applicable), and each other provision of this Agreement (or the Grant Notice, as applicable) shall be severable and enforceable to the extent permitted by law. The headings of the sections hereof are provided for convenience only and are not to serve as a basis for interpretation or construction, and shall not constitute a part, of the Grant Notice or this Agreement. Pronouns and other words of gender shall be read as gender-neutral. Words importing the plural shall include the singular and the singular shall include the plural. Each of the Grant Notice and this Agreement may be entered into in counterparts.

The Plan and Other Agreements

The text of the Plan is incorporated in this Agreement by reference. The Administrator shall have final authority to interpret and construe the Plan, the Grant Notice and this Agreement and to make any and all determinations under them, and its decision shall be binding and conclusive upon you and all other persons in respect of any questions arising under the Plan, the Grant Notice or this Agreement.

The Plan, this Agreement and the Grant Notice constitute the entire understanding between you and the Company regarding this award. Any prior agreements, commitments or negotiations concerning this award are superseded.

BY ACCEPTING THIS RSU AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

**APPENDIX
TO THE
RESTRICTED STOCK UNIT AGREEMENT FOR NON-U.S. RECIPIENTS**

Capitalized terms not defined in this Appendix have the meanings ascribed to them in the Plan, the Grant Notice or the Restricted Stock Unit Agreement for Non-U.S. Recipients (the "**RSU Agreement**").

Terms and Conditions

This Appendix includes additional terms and conditions that govern the RSUs granted to you under the Plan if you reside and/or work in one of the countries listed herein. If you are a citizen or resident of a country (or are considered as such for local law purposes) other than the one in which you are currently residing and/or working or if you relocate to another country after receiving the RSUs, the additional terms and conditions for such country as described in this Appendix will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons.

Notifications

This Appendix also includes information regarding taxes and certain other issues of which you should be aware with respect to participation in the Plan. The information is based on the securities, exchange control, income tax and other laws in effect in the respective countries as of December 2021. Such laws are often complex and change frequently. As a result, the Company strongly recommends that you not rely on the information herein as the only source of information relating to the consequences of participation in the Plan, because the information may be outdated at the time you vest in the RSUs or sell shares acquired under the Plan.

In addition, the information contained herein is general in nature and may not apply to your particular situation, and the Company is not in a position to assure you of any particular result. Accordingly, you should seek appropriate professional advice as to how the relevant laws in your country may apply to your personal situation.

Finally, if you are a citizen or resident of a country (or are considered as such for local law purposes) other than the one in which you are currently residing and/or working or if you relocate to another country after receiving the RSUs, the information contained herein may not be applicable to you in the same manner.

NETHERLANDS

There are no country-specific provisions.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan
Notice of Restricted Stock Unit Award
For Non-U.S. Recipients**

You have been granted Restricted Stock Units (“RSUs”), each representing the right to receive one Common Share of Shapeways Holdings, Inc. (the “Company”), on the following terms:

Name of Recipient:	«Name» ¹
Total Number of RSUs Granted:	«TotalRSUs» ²
Date of Grant:	«DateGrant» ³
[Vesting Commencement Date: ⁴	<<Vest-ComDate>>]
Expiration Date:	[_____, ____] ⁵

Vesting:

Two vesting requirements must be satisfied on or before the Expiration Date specified above in order for an RSU to vest:

- (i) a requirement that you provide continuous Service over the period of time set forth in “*Service-Based Condition*” below; and
- (ii) a requirement that the applicable “*RSU Performance Milestone*,” as set forth below, is satisfied. As described below, the RSU Performance Milestones will be satisfied as to 50% of the RSUs upon the achievement of the First RSU Performance Milestone (as defined below), and as to the remaining 50% of the RSUs upon the achievement of the Second RSU Performance Milestone (as defined below).

¹ Earnout RSUs to be granted to holders of in-the-money options outstanding as of immediately prior to the Effective Time (provided such holder remains in continuous service through the date of grant).

² Number of RSUs to equal the product of (a) the number of shares subject to the recipient’s option immediately prior to the Effective Time, multiplied by (b) 10% of the Conversion Ratio (rounded down to the nearest whole share).

³ To be granted as soon as reasonably practicable following the Effective Time.

⁴ To be the same Vesting Commencement Date as the option held by the recipient.

⁵ To be the 3-year anniversary of the Closing Date or the Option's original Expiration Date.

The requirements described in the foregoing clauses (i) and (ii) are collectively referred to herein as the “**Vesting Requirements.**”

For clarity, if the Service-Based Condition is satisfied for any RSUs prior to satisfaction of any RSU Performance Milestone, (i) such RSUs shall remain outstanding and eligible to vest upon the satisfaction of the applicable RSU Performance Milestones on or before the Expiration Date and (ii) if, subsequently, the First RSU Performance Milestone (as defined below) is achieved on or before the Expiration Date but the Second RSU Performance Milestone (as defined below) has not yet been achieved, then 50% of such RSUs shall vest upon satisfaction of the First RSU Performance Milestone and the remaining 50% of such RSUs shall remain outstanding and eligible to vest upon the satisfaction of the Second RSU Performance Milestone on or before the Expiration Date.

If, prior to the satisfaction of the Service-Based Condition for any RSUs, the First RSU Performance Milestone (but not the Second RSU Performance Milestone) has been achieved, then upon satisfaction of the Service-Based Condition for such RSUs, 50% of the RSUs eligible to vest upon the applicable Service Date (as defined below) shall become vested, and the remaining 50% of the RSUs eligible to vest upon such Service Date shall remain outstanding and eligible to vest upon the satisfaction of the Second RSU Performance Milestone on or before the Expiration Date.

If, prior to the satisfaction of the Service-Based Condition for any RSUs, both the First RSU Performance Milestone and the Second RSU Performance Milestone have been achieved, then upon satisfaction of the Service-Based Condition for such RSUs, 100% of the RSUs eligible to vest upon the applicable Service Date shall become vested.

The “**Vesting Date**” of a given RSU will be the first date on or before the Expiration Date upon which all Vesting Requirements are satisfied with respect to that particular RSU.

A given RSU will not vest if any Vesting Requirement fails to be satisfied with respect to that RSU on or before the Expiration Date. Such RSU shall be forfeited as of (x) the Expiration Date or (y) your earlier termination of Service that results in such forfeiture in accordance with the Restricted Stock Unit Agreement for Non-U.S. Recipients, as the case may be. Upon such forfeiture, you will have no further rights with respect to such forfeited RSU or the Common Share covered thereby.

A given RSU will not vest if any Vesting Requirement fails to be satisfied with respect to that RSU on or before the Expiration Date. Such RSU shall be forfeited as of (x) the Expiration Date or (y) your earlier termination of Service that results in such forfeiture in accordance with the Restricted Stock Unit Agreement for Non-U.S. Recipients, as the case may be. Upon such forfeiture, you will have no further rights with respect to such forfeited RSU or the Common Share covered thereby.

Service-Based Condition:⁶

[**Version 1:** The Service-Based Condition has been satisfied with respect to all of your RSUs as of the Date of Grant. The “**Service Date**” for purposes of this Agreement (as defined below) shall mean the Date of Grant.]

[**Version 2:** The Service-Based Condition will be satisfied (i) with respect to the first 25% of the RSUs on the [12-month] [6-month] anniversary of the Vesting Commencement Date and (ii) monthly thereafter with respect to 1/48th of the RSUs, provided you remain in continuous Service through each such date (each, a “**Service Date**”).]

[**Version 3:** The Service-Based Condition will be satisfied with respect to [1/___th] of the RSUs on the monthly anniversary of the Vesting Commencement Date, provided you remain in continuous Service through each such date (each, a “**Service Date**”).]

RSU Performance Milestones:

The “**First RSU Performance Milestone**” will be satisfied if and when the VWAP of the Common Shares equals or exceeds \$14.00 per share (as adjusted for stock splits, stock dividends, reorganizations and recapitalizations and similar transactions after the Closing) for 30 consecutive Trading Days (as defined in the Restricted Stock Unit Agreement for Non-U.S. Recipients) occurring during the period beginning on the Closing Date and ending on the Expiration Date.

The “**Second RSU Performance Milestone**” will be satisfied if and when the VWAP of the Common Shares equals or exceeds \$16.00 per share (as adjusted for stock splits, stock dividends, reorganizations and recapitalizations and similar transactions after the Closing) for 30 consecutive Trading Days occurring during the period beginning on the Closing Date and ending on the Expiration Date.

⁶ The Service-Based Condition tracks the vesting schedule of the option held by the recipient. Certain options are fully vested as of the date of grant, and other Options have various vesting schedules (e.g., cliff-vesting at 6 months or 1 year followed by monthly vesting; or only monthly vesting with no cliff-vesting).

he avoidance of doubt, if the Second RSU Performance Milestone has been achieved on or prior to the Expiration Date, then the First RSU Performance Milestone (if not already satisfied) will have also been achieved upon satisfaction of the Second RSU Performance Milestone, such that, upon achievement of the Second RSU Performance Milestone, both RSU Performance Milestones shall be considered satisfied for all RSUs granted hereunder.

You and the Company agree that these RSUs are granted under and governed by the terms and conditions of the Company's 2021 Equity Incentive Plan (the "**Plan**") and the Restricted Stock Unit Agreement for Non-U.S. Recipients, including any additional terms and conditions for your country set forth in the appendix thereto (the "**Appendix**" and, together with the Restricted Stock Unit Agreement for Non-U.S. Recipients, the "**Agreement**"), all of which are attached to, and made a part of, this document. Capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the Plan or the Agreement, as applicable.

The Company may, in its sole discretion, decide to deliver any documents related to RSUs or the Plan, and all documents that the Company is required to deliver to shareholders (including annual reports and proxy statements), by email or other electronic means (including posting them on a website maintained by the Company or a third party under contract with the Company). You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through any online or electronic system established and maintained by the Company or a third party designated by the Company. You acknowledge that you may incur costs in connection with any such delivery by means of electronic transmission, including the cost of accessing the Internet and printing fees, and that an interruption of Internet access may interfere with your ability to access the documents.

You further agree to comply with the Company's *Insider Trading Policy*, as in effect from time to time, when selling common shares.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan**

Restricted Stock Unit Agreement For Non-U.S. Recipients

1. Grant of RSUs

Subject to all of the terms and conditions set forth in the Shapeways Holdings, Inc. 2021 Equity Incentive Plan (the “**Plan**”), the Notice of Restricted Stock Unit Award for Non-U.S. Recipients (the “**Grant Notice**”), and this Restricted Stock Unit Agreement for Non-U.S. Recipients, including any additional terms and conditions for your country set forth in the appendix attached hereto (the “**Appendix**” and, together with the Restricted Stock Unit Agreement for Non-U.S. Recipients, this “**Agreement**”), the Company has granted to you the number of RSUs set forth in the Grant Notice.

All capitalized terms used in this Agreement shall have the meanings assigned to them in this Agreement, the Grant Notice or the Plan, as applicable.

2. Nature of RSUs

Your RSUs are bookkeeping entries. They represent only the Company’s unfunded and unsecured promise to issue Common Shares on a future date, subject to the terms and conditions of this Agreement, the Grant Notice and the Plan. As a holder of RSUs, you have no rights other than the rights of a general creditor of the Company.

3. Vesting

The RSUs vest in accordance with the Vesting provisions set forth in the Grant Notice.

For the avoidance of doubt, Service during only a portion of the period of time necessary to meet the Service-Based Condition, but where your Service terminates prior to a Service Date, will not entitle you to vest in a pro-rata portion of the RSUs or to compensation for lost vesting.

4. Settlement of RSUs

(a) Each vested RSU shall be settled as soon as practicable on or following the applicable Vesting Date, and in any event within the “short-term deferral period” as defined under Code Section 409A. In no event will you be permitted, directly or indirectly, to specify the taxable year of settlement of any RSUs subject to this award.

(b) At the time of settlement, you will receive one Common Share for each vested RSU (plus payment of any dividend equivalents pursuant to Section 8 hereof).

**5. Termination of Service;
Expiration**

(a) Except (x) as otherwise determined by the Administrator or (y) expressly provided in an employment, consulting or other written agreement between you and the Company and/or one of its Subsidiaries or Affiliates, as applicable, any RSUs for which the Service-Based Condition has not been satisfied as of your termination of Service shall be forfeited and cancelled without payment.

(b) If your Service terminates before one or more of the RSU Performance Milestones has been met, then the portion of your RSUs for which the Service-Based Condition has been satisfied (taking into account any acceleration pursuant to this Section 5, as applicable) shall remain outstanding and eligible to vest upon achievement of the applicable RSU Performance Milestones.

(c) If any RSU Performance Milestone fails to be satisfied by the Expiration Date, then the corresponding RSUs shall be forfeited and cancelled without payment as of the Expiration Date.

(d) For purposes of the RSUs, your Service will be considered terminated as of the date you are no longer actively providing services to the Company or any Parent, Subsidiary or Affiliate (regardless of the reason for such termination and whether or not later found to be invalid or in breach of employment laws in the jurisdiction where you are employed or otherwise rendering services or the terms of your employment or other service agreement, if any) and will not be extended by any notice period (e.g., your Service will not be extended by any contractual notice period or period of “garden leave” or similar period mandated under employment laws in the jurisdiction where you are employed or otherwise rendering services or the terms of your employment or other service agreement, if any). The Administrator shall have exclusive discretion to determine when you are no longer actively providing services for purposes of the RSUs (including when you are no longer considered to be in continued Service while on a leave of absence).

**6. Leaves of Absence and Part-Time
Work**

(a) For purposes of this award, except as set forth in subsection (b) below, your Service does not terminate when you go on a military leave, a sick leave or another *bona fide* leave of absence, if the leave was approved by the Company in writing. Your Service will be deemed terminated for purposes of this award when the approved leave ends, unless you immediately return to active work.

(b) If you go on a leave of absence that lasts more than 30 days, then, to the extent permitted by applicable law, the Company may adjust or suspend the schedule of Service Dates under the Service-Based Condition specified in the Grant Notice.

(c) If you commence working on a part-time basis, the Company may adjust the vesting schedule so that the rate of vesting is commensurate with your reduced work schedule, to the extent permitted by applicable law.

7. Section 409A

(a) These RSUs are intended to be exempt from the application of Code Section 409A pursuant to the “short-term deferral” exemption under Treasury Regulation Section 1.409A-1(b)(4), and this Agreement and the Grant Notice shall be administered and interpreted in a manner that complies with such exemption.

(b) Notwithstanding the foregoing, if it is determined that settlement of these RSUs is not exempt from Code Section 409A and the Company determines that you are a “specified employee,” as defined in the regulations under Code Section 409A at the time of your “separation from service” from the Company and its Affiliates, as such term is defined in Treasury Regulation Section 1.409A-1(h), then this paragraph will apply. If this paragraph applies, and the event triggering settlement is your “separation from service” from the Company and its Affiliates, then any RSUs that otherwise would have been settled during the first six months following your “separation from service” will instead be settled on the first business day following the earlier of (i) the six-month anniversary of your separation from service or (ii) your death.

(c) Each installment of RSUs that is settled after vesting is hereby designated as a separate payment for purposes of Code Section 409A.

8. No Voting Rights; Dividend Equivalents

Your RSUs carry neither voting rights nor rights to cash dividends. You have no rights as a stockholder of the Company unless and until your RSUs are settled by issuing Common Shares. Each of your RSUs shall be credited with dividend equivalents, which shall be withheld by the Company for your account. Dividend equivalents credited to your account and attributable to an RSU shall be distributed (without interest) to you at the same time as the underlying Common Share is delivered upon settlement of such RSU and, if such RSU is forfeited, you shall have no right to such dividend equivalents. Dividend equivalents may be payable, in the discretion of the Company, (x) in cash, (y) in Common Shares with a Fair Market Value as of the applicable Vesting Date equal to the dividend equivalents, or (z) in an adjustment to the underlying number of Common Shares subject to the RSUs.

9. RSUs Nontransferable

The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered (a “**Transfer**”) by you other than by will or by the laws of descent and distribution, pursuant to a qualified domestic relations order or as otherwise permitted under the Plan; provided, that in case of any such permitted transfer, (i) the vesting, forfeiture and clawback provisions shall continue to relate to your Service and any termination thereof and (ii) such transfer shall be subject to such advance notice and other rules and requirements as determined by the Administrator in its sole discretion. Any attempted Transfer of the RSUs contrary to the provisions hereof, and the levy of any execution, attachment or similar process upon the RSUs, shall be null and void and without effect. In addition, regardless of any marital property settlement agreement, the Company is not obligated to recognize your former spouse’s interest in your RSUs in any way.

10. Beneficiary Designation

You may dispose of your RSUs in a written beneficiary designation if authorized by the Company and to the extent such beneficiary designation is valid under applicable law. Any beneficiary designation must be filed with the Company on the proper form. It will be recognized only if it has been received at the Company's headquarters before your death. If you do not file any beneficiary designation, if the beneficiary designation is not valid or if none of your designated beneficiaries survives you, then your estate will receive any vested RSUs that you hold at the time of your death.

11. Responsibility for Taxes

(a) Regardless of any action the Company or, if different, the Parent, Subsidiary or Affiliate employing or otherwise retaining you (the “**Service Recipient**”) takes with respect to any or all income tax, social insurance, payroll tax, fringe benefits tax, payment on account or other tax-related items related to your participation in the Plan and legally applicable or deemed legally applicable to you (“**Tax-Related Items**”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount, if any, actually withheld by the Company and/or the Service Recipient. You further acknowledge that the Company and the Service Recipient (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant, vesting or settlement of the RSUs, the issuance of Common Shares upon settlement of the RSUs, the subsequent sale of Common Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (2) do not commit to, and are under no obligation to, structure the terms of the RSUs or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Service Recipient (or former service recipient, as applicable) may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

(b) In connection with any relevant taxable or tax withholding event, as applicable, you agree to make adequate arrangements satisfactory to the Company and/or the Service Recipient to satisfy all Tax-Related Items. In this regard, you authorize the Company and/or the Service Recipient, or their respective agents, to satisfy any withholding obligations with regard to Tax-Related Items by one or a combination of the following, as determined by the Administrator:

- Withholding the amount of any Tax-Related Items from your wages or other cash compensation payable to you by the Company, any Parent, Subsidiary or Affiliate;
- Instructing a brokerage firm selected by the Company for this purpose to sell on your behalf a number of whole Common Shares to be issued to you when the RSUs are settled that the Company determines are appropriate to generate cash proceeds sufficient to satisfy the withholding obligation for Tax-Related Items. This method of satisfying your Tax-Related Items is referred to as “sale to cover.” You acknowledge that the Company or its designee is under no obligation to arrange for such sale at any particular price. Regardless of whether the Company arranges for such sale, you will be responsible for all fees and other costs of sale, and you agree to indemnify and hold the Company harmless from any losses, costs, damages or expenses relating to any such sale;

- Withholding Common Shares that would otherwise be issued to you when the RSUs are settled equal in value to the withholding obligation for Tax-Related Items. The fair market value of the withheld Common Shares, determined as of the date when taxes otherwise would have been withheld in cash, will be applied to the Tax-Related Items; or
- Any other means approved by the Administrator.

To the extent the Administrator elects to satisfy the Tax-Related Items by means of a sale-to-cover, you hereby authorize the Company to instruct the broker whom it has selected for this purpose to sell a number of Common Shares to be issued upon settlement of your RSUs necessary to satisfy the withholding obligation for Tax-Related Items.

(c) The Company may withhold or account for Tax-Related Items by considering statutory or other withholding rates, including minimum or maximum rates applicable in your jurisdiction(s). In the event of over-withholding, you may receive a refund of any over-withheld amount in cash and will have no entitlement to the equivalent in Common Shares, or, if not refunded, you may be able to seek a refund from the applicable tax authorities. In the event of under-withholding, you may be required to pay additional Tax-Related Items directly to the applicable tax authorities or to the Company or the Service Recipient. If the withholding obligation for Tax-Related Items is satisfied by withholding Common Shares, for tax purposes, you will be deemed to have been issued the full number of Common Shares subject to the RSUs, notwithstanding that a number of Common Shares is held back solely for the purpose of paying the Tax-Related Items.

(d) Finally, you shall pay to the Company or the Service Recipient any amount of Tax-Related Items that the Company or the Service Recipient may be required to withhold as a result of your participation in the Plan or your acquisition of Common Shares that cannot be satisfied by the means previously described. The Company may refuse to deliver the Common Shares or proceeds from the sale of such Common Shares, if you fail to comply with your obligations in connection with the Tax-Related Items as described in this section, and you will permanently forfeit the applicable RSUs (and related underlying Common Shares and any related dividend equivalents).

12. Restrictions on Issuance

(a) The Company will not issue any Common Shares to you if the issuance of Common Shares at that time would violate any law or regulation.

(b) Notwithstanding any other provision in the Plan, the Grant Notice or this Agreement, unless there is an available exemption from registration, qualification or other legal requirement applicable to the Common Shares, the Company shall not be required to issue any Common Shares to you prior to the completion of any registration or qualification of the Common Shares under any U.S. or non-U.S. federal, state or local securities law or under rulings or regulations of the U.S. Securities and Exchange Commission (“SEC”) or of any other governmental body, or prior to obtaining any approval or other clearance from any U.S. or non-U.S. federal, state or local governmental agency, which registration, qualification or approval the Company shall, in its absolute discretion, deem necessary or advisable. You understand that the Company is under no obligation to register or qualify the Common Shares with the SEC or any state securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the Common Shares.

13. Restrictions on Resale

You agree not to sell any Common Shares at a time when applicable laws, Company policies or an agreement between the Company and its underwriters prohibit a sale. This restriction will apply as long as your Service continues and for such period of time after the termination of your Service as the Company may specify.

14. No Retention Rights

Neither your award nor any documentation related thereto (including this Agreement, the Grant Notice and the Plan) gives you the right to be retained by the Company or the Service Recipient in any capacity. The Company and the Service Recipient, as applicable, reserve the right to terminate your Service at any time, with or without cause.

15. Nature of Grant

By accepting the RSUs, you acknowledge, understand and agree that:

- the Plan is established voluntarily by the Company, is wholly discretionary in nature and may be modified, amended, suspended, or terminated by the Company at any time, to the extent permitted by the Plan;
- the grant of the RSUs is exceptional, voluntary and occasional and does not create any contractual or other right to receive future grants of restricted stock units, or benefits in lieu of restricted stock units, even if restricted stock units have been granted in the past;
- all decisions with respect to future grants of restricted stock units or other grants, if any, will be at the sole discretion of the Company;
- you are voluntarily participating in the Plan;
- the RSUs and your participation in the Plan shall not create a right of Service with the Company;
- the RSUs and any Common Shares acquired under the Plan, and the income from and value of the same, are not intended to replace any pension rights or compensation;
- the RSUs and any Common Shares acquired under the Plan, and the income from and value of the same, are not part of normal or expected compensation for any purpose, including but not limited to, calculating any severance, resignation, termination, redundancy, dismissal, end-of-service payments, bonuses, long-service awards, holiday pay, pension or retirement or welfare benefits or similar payments;
- the future value of the Common Shares underlying the RSUs is unknown, indeterminable, and cannot be predicted with certainty;
- no claim or entitlement to compensation or damages shall arise from forfeiture of any portion of the RSUs resulting from your termination of Service (for any reason whatsoever and regardless of whether or not later found to be invalid or in breach of employment or other laws in the jurisdiction where you are employed or otherwise rendering services or the terms of your employment or other service agreement, if any);
- unless otherwise agreed with the Company in writing, the RSUs and the Common Shares subject to the RSUs, and the income from and value of the same, are not granted as consideration for, or in connection with, the Service you may provide as a director of any Subsidiary or Affiliate; and
- neither the Company, the Service Recipient nor any other Parent, Subsidiary or Affiliate shall be liable for any foreign exchange rate fluctuation between your local currency and the U.S. dollar that may affect the value of the RSUs or of any amounts due to you pursuant to the vesting of the RSUs or the subsequent sale of any Common Shares acquired upon settlement of the RSUs.

16. Data Privacy and Consent

- (a) **Data Collection and Usage.** *The Company and the Service Recipient collect, process and use certain personal information about you, including, but not limited to, your name, home address and telephone number, email address, date of birth, social insurance, passport or other identification number, salary, nationality, job title, any shares or directorships held in the Company, details of all stock options or any other entitlement to shares or equivalent benefits awarded, canceled, exercised, vested, unvested or outstanding in your favor (“Data”), for the purpose of implementing, administering and managing the Plan. The legal basis, where required, for the processing of Data is your consent.*
- (b) **Stock Plan Administration Service Providers.** *The Company transfers Data to [INSERT STOCK ADMIN PROVIDER/BROKER NAME] (“Stock Plan Administrator”), an independent service provider based in the United States, which is assisting the Company with the implementation, administration and management of the Plan. The Company may select a different service provider or additional service providers and share Data with such other provider(s) serving in a similar manner. You may be asked to agree on separate terms and data processing practices with the Stock Plan Administrator, with such agreement being a condition to the ability to participate in the Plan.*
- (c) **International Data Transfers.** *The Company and Stock Plan Administrator are based in the United States. Your country or jurisdiction may have different data privacy laws and protections than the United States. The Company’s legal basis, where required, for the transfer of Data is your consent.*
- (d) **Data Retention.** *The Company will hold and use Data only as long as is necessary to implement, administer and manage your participation in the Plan, or as required to comply with legal or regulatory obligations, including under tax, exchange control, securities, labor and other laws. This means Data may be retained until after your Service is terminated.*
- (e) **Voluntariness and Consequences of Consent Denial or Withdrawal.** *Participation in the Plan is voluntary, and you are providing the consents herein on a purely voluntary basis. If you do not consent, or if you later seek to revoke your consent, your compensation from or Service with the Service Recipient will not be affected; the only consequence of refusing or withdrawing your consent is that the Company would not be able to grant the RSUs or other awards to you or administer or maintain such awards.*
- (f) **Data Subject Rights.** *You may have a number of rights under data privacy laws in your jurisdiction. Depending on where you are based, such rights may include the right to (i) request access or copies of Data the Company processes, (ii) rectification of incorrect Data, (iii) deletion of Data, (iv) restrictions on processing of Data, (v) portability of Data, (vi) lodge complaints with competent authorities in your jurisdiction, and/or (vii) receive a list with the names and addresses of any potential recipients of Data. To receive clarification regarding these rights or to exercise these rights, you can contact your local human resources representative.*

- 17. No Advice Regarding Grant** The Company is not providing any tax, legal or financial advice, nor is the Company making any recommendations regarding your participation in the Plan, or your acquisition or sale of the underlying Common Shares. You should consult with your own personal tax, legal and financial advisors regarding your participation in the Plan before taking any action related to the Plan.
- 18. Adjustments** In the event of a stock split, stock dividend, reorganization and recapitalization or a similar change in Company stock, the number of your RSUs will be adjusted pursuant to the Plan.
- 19. Effect of Significant Corporate Transactions** If the Company is a party to a merger, consolidation, or certain change in control transactions, then your RSUs will be subject to the applicable provisions of Article 9 of the Plan, provided that any action taken must either (a) preserve the exemption of your RSUs from Code Section 409A or (b) comply with Code Section 409A.
- 20. No Fractional Shares** No fractional Common Shares will be issued upon settlement. In lieu of issuing a fractional Common Share resulting from an adjustment of the RSUs pursuant to the Plan or otherwise, the Company shall be entitled to pay to you a cash amount equal to the Fair Market Value of such fractional Common Share.
- 21. Recoupment Policy** This award, and the Common Shares acquired upon settlement of this award, shall be subject to recoupment or clawback under any Company policy in effect from time to time, or to the extent required by applicable law in effect at the relevant time (including, without limitation, Section 304 of the Sarbanes-Oxley Act and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act) and/or the rules and regulations of any applicable securities exchange or inter-dealer quotation system on which the Common Shares may be listed or quoted.
- 22. Language** You acknowledge that you are sufficiently proficient in English, or have consulted with an advisor who is sufficiently proficient in English, so as to allow you to understand the terms and conditions of this Agreement. If you have received this Agreement, or any other documents related to the Plan translated into a language other than English and if the meaning of the translated version is different from the English version, the English version will control.
- 23. Appendix** Notwithstanding any provisions in this Restricted Stock Unit Agreement for Non-U.S. Recipients, the RSUs shall be subject to any additional terms and conditions for your country set forth in the Appendix attached hereto. Moreover, if you relocate to one of the countries included in the Appendix, the additional terms and conditions for such country, if any, will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons. The Appendix constitutes part of this Agreement.
- 24. Imposition of Other Requirements** The Company reserves the right to impose other requirements on your participation in the Plan and on any Common Shares acquired under the Plan, if the Company determines it is necessary or advisable for legal or administrative reasons, and to require you to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.

25. Insider Trading/Market Abuse

By accepting the RSUs, you acknowledge that you are bound by all the terms and conditions of the Company's Insider Trading Policy as may be in effect from time to time. You further acknowledge that, depending on your or your broker's country or the country in which the Common Shares are listed, you may be subject to insider trading restrictions and/or market abuse laws which may affect your ability, directly or indirectly, to accept, acquire, sell or attempt to sell, or otherwise dispose of Common Shares, rights to Common Shares (e.g., RSUs) or rights linked to the value of Common Shares, during such times as you are considered to have "inside information" regarding the Company (as defined by the laws in the applicable jurisdiction(s)). Local insider trading laws and regulations may prohibit the cancelation or amendment of orders you placed before possessing the inside information. Furthermore, you understand that you may be prohibited from (i) disclosing the inside information to any third party, including fellow employees (other than on a "need to know" basis) and (ii) "tipping" third parties by sharing with them Company inside information, or otherwise causing third parties to buy or sell Company securities. Any restrictions under these laws or regulations are separate from and in addition to restrictions that may apply to you under the Company's Insider Trading Policy as may be in effect from time to time. You acknowledge that it is your responsibility to comply with the Company's Insider Trading Policy and any applicable regulatory trading restrictions. You should consult with your personal legal advisor on this matter.

26. Foreign Asset/Account Reporting Requirements

You acknowledge that there may be certain foreign asset and/or account reporting requirements which may affect your ability to acquire or hold Common Shares or cash received from participating in the Plan (including from any dividends or dividend equivalents paid on Common Shares) in a brokerage or bank account outside your country. You may be required to report such accounts, assets, or related transactions to the tax or other authorities in your country. You may also be required to repatriate sale proceeds or other funds received as a result of your participation in the Plan to your country within a certain time after receipt. You acknowledge that it is your responsibility to comply with such regulations and that you should speak with a personal legal advisor on this matter.

27. Amendment and Waiver

(a) The Administrator, at any time, and from time to time, may amend the terms of the Grant Notice or this Agreement; provided, however, that your rights shall not be materially and adversely affected without your written consent, subject to the provisions in Section 24 above.

(b) Any right of the Company contained in the Grant Notice or this Agreement may be waived in writing by the Administrator. No waiver of any right hereunder by any party shall operate as a waiver of any other right, or as a waiver of the same right with respect to any subsequent occasion for its exercise, or as a waiver of any right to damages. No waiver by any party of any breach of the Grant Notice or this Agreement shall be held to constitute a waiver of any other breach or a waiver of the continuation of the same breach.

28. Applicable Law; Consent to Jurisdiction; Waiver of Jury Trial

(a) This Agreement and the Grant Notice will be interpreted and enforced under the laws of the State of Delaware without regard to its choice-of-law provisions or principles of conflicts of laws of any other jurisdiction which could cause the application of the laws of any jurisdiction other than the State of Delaware.

(b) You and the Company (on behalf of itself and its Parent, Subsidiaries and Affiliates) each consents to the exclusive jurisdiction in a Delaware state or a federal court sitting in Wilmington, Delaware, and each waives any other requirement (whether imposed by statute, rule of court or otherwise) with respect to personal jurisdiction or service of process and waives any objection to jurisdiction based on improper venue or improper jurisdiction.

EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY, IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THE PLAN, THE GRANT NOTICE OR THIS AGREEMENT.

29. Successors; Interpretation

The terms of the Grant Notice and this Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, and of you and your beneficiaries, executors, administrators, heirs and successors. The invalidity or unenforceability of any provision of this Agreement (or the Grant Notice, as applicable) shall not affect the validity or enforceability of any other provision of this Agreement (or the Grant Notice, as applicable), and each other provision of this Agreement (or the Grant Notice, as applicable) shall be severable and enforceable to the extent permitted by law. The headings of the sections hereof are provided for convenience only and are not to serve as a basis for interpretation or construction, and shall not constitute a part, of the Grant Notice or this Agreement. Pronouns and other words of gender shall be read as gender-neutral. Words importing the plural shall include the singular and the singular shall include the plural. Each of the Grant Notice and this Agreement may be entered into in counterparts.

30. The Plan and Other Agreements

(a) The text of the Plan is incorporated in this Agreement by reference. The Administrator shall have final authority to interpret and construe the Plan, the Grant Notice and this Agreement and to make any and all determinations under them, and its decision shall be binding and conclusive upon you and all other persons in respect of any questions arising under the Plan, the Grant Notice or this Agreement.

(b) The Plan, this Agreement and the Grant Notice constitute the entire understanding between you and the Company regarding this award. Any prior agreements, commitments or negotiations concerning this award are superseded.

31. Definitions

For purposes of the Grant Notice and this Agreement, the following terms shall have the following meanings:

(a) “**Closing Date**” has the meaning set forth in the Merger Agreement.

(b) “**Trading Day**” means any day on which Common Shares are actually traded on the principal securities exchange or securities market on which the Common Shares are then traded.

(c) “**VWAP**” means, for a Common Share, the dollar volume-weighted average price for a Common Share on the principal securities exchange or securities market on which the Common Shares are then traded during the applicable date(s), as reported by Bloomberg through its “VWAP” or other applicable function (set to weighted average) or, if the foregoing does not apply, the dollar volume-weighted average price of a Common Share in the over-the-counter market on the electronic bulletin board for such security during the applicable date(s), as reported by Bloomberg, or, if no dollar volume-weighted average price is reported for Common Shares by Bloomberg for such hours, the average of the highest closing bid price and the lowest closing ask price of any of the market makers for a Common Share as reported by OTC Markets Group Inc. If the VWAP cannot be calculated for Common Shares on such date(s) on any of the foregoing bases (including if the Common Shares are not actually traded on the principal securities exchange or securities market on which the Common Shares are then traded for the relevant determination period), the VWAP of a Common Share on such date(s) shall be the fair market value as determined reasonably and in good faith by a majority of the disinterested independent directors of the Board. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination, recapitalization or other similar transaction during such period.

BY ACCEPTING THIS RSU AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

**Appendix
to the
Restricted Stock Unit Agreement for Non-U.S. Recipients**

Capitalized terms not defined in this Appendix have the meanings ascribed to them in the Plan, the Grant Notice or the Restricted Stock Unit Agreement for Non-U.S. Recipients (the "**RSU Agreement**").

Terms and Conditions

This Appendix includes additional terms and conditions that govern the RSUs granted to you under the Plan if you reside and/or work in one of the countries listed herein. If you are a citizen or resident of a country (or are considered as such for local law purposes) other than the one in which you are currently residing and/or working or if you relocate to another country after receiving the RSUs, the additional terms and conditions for such country as described in this Appendix will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable for legal or administrative reasons.

Notifications

This Appendix also includes information regarding taxes and certain other issues of which you should be aware with respect to participation in the Plan. The information is based on the securities, exchange control, income tax and other laws in effect in the respective countries as of December 2021. Such laws are often complex and change frequently. As a result, the Company strongly recommends that you not rely on the information herein as the only source of information relating to the consequences of participation in the Plan, because the information may be outdated at the time you vest in the RSUs or sell shares acquired under the Plan.

In addition, the information contained herein is general in nature and may not apply to your particular situation, and the Company is not in a position to assure you of any particular result. Accordingly, you should seek appropriate professional advice as to how the relevant laws in your country may apply to your personal situation.

Finally, if you are a citizen or resident of a country (or are considered as such for local law purposes) other than the one in which you are currently residing and/or working or if you relocate to another country after receiving the RSUs, the information contained herein may not be applicable to you in the same manner.

NETHERLANDS

There are no country-specific provisions.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan
Notice of Restricted Stock Unit Award**

You have been granted Restricted Stock Units (“RSUs”), each representing the right to receive one Common Share of Shapeways Holdings, Inc. (the “**Company**”), on the following terms:

Name of Recipient:	«Name»
Total Number of RSUs Granted:	«TotalRSUs»
Date of Grant:	«DateGrant»
Vesting Commencement Date	«VestCommDate»
Vesting Schedule:	25% of the RSUs subject to this award will vest on the first anniversary of the Vesting Commencement Date and an additional 6.25% of the RSUs subject to this award will vest on each three-month anniversary of the Vesting Commencement Date occurring thereafter (or if there is no corresponding date, on the last day of the applicable month), in each case, subject to your continuous service as an Employee or Consultant (“ Service ”) through each such vesting date.

You and the Company agree that these RSUs are granted under and governed by the terms and conditions of the Company’s 2021 Equity Incentive Plan (the “**Plan**”) and the Restricted Stock Unit Agreement, both of which are attached to, and made a part of, this document. Capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the Plan or the Restricted Stock Unit Agreement, as applicable.

The Company may, in its sole discretion, decide to deliver any documents related to RSUs or the Plan, and all documents that the Company is required to deliver to shareholders (including annual reports and proxy statements), by email or other electronic means (including posting them on a website maintained by the Company or a third party under contract with the Company). You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through any online or electronic system established and maintained by the Company or another third party designated by the Company. You acknowledge that you may incur costs in connection with any such delivery by means of electronic transmission, including the cost of accessing the Internet and printing fees, and that an interruption of Internet access may interfere with your ability to access the documents.

You further agree to comply with the Company’s *Insider Trading Policy*, as in effect from time to time, when selling common shares.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan**

Restricted Stock Unit Agreement

Grant of RSUs

Subject to all of the terms and conditions set forth in the Shapeways Holdings, Inc. 2021 Equity Incentive Plan (the “Plan”), the Notice of Restricted Stock Unit Award (the “Grant Notice”), and this Restricted Stock Unit Agreement (the “Agreement”), the Company has granted to you the number of RSUs set forth in the Grant Notice.

All capitalized terms used in this Agreement shall have the meanings assigned to them in this Agreement, the Grant Notice or the Plan, as applicable.

Nature of RSUs

Your RSUs are bookkeeping entries. They represent only the Company’s unfunded and unsecured promise to issue Common Shares on a future date, subject to the terms and conditions of this Agreement, the Grant Notice and the Plan. As a holder of RSUs, you have no rights other than the rights of a general creditor of the Company.

Payment for RSUs

No payment is required for the RSUs that you are receiving.

Vesting

The RSUs vest in accordance with the vesting schedule set forth in the Grant Notice.

In no event will any additional RSUs vest after your Service has terminated for any reason unless expressly provided in a written agreement between you and the Company.

The Company determines whether and when your Service terminates for all purposes of your RSUs.

Termination of Service/Forfeiture

If your Service terminates for any reason, then your RSUs will be forfeited to the extent that they have not vested before the termination date and do not vest as a result of the termination of your Service. This means that any RSUs that have not vested under this Agreement will be cancelled immediately. You will receive no payment for RSUs that are forfeited.

Leaves of Absence and Part-Time Work

For purposes of this award, your Service does not terminate when you go on a military leave, a sick leave or another *bona fide* leave of absence, if the leave was approved by the Company in writing. However, except as otherwise determined by the Company, your Service terminates when the approved leave ends, unless you immediately return to active work.

If you go on an unpaid leave of absence that lasts more than thirty days, then, to the extent permitted by applicable law, the vesting schedule specified in the Grant Notice will be suspended on the thirty-first day of such unpaid leave, and this award will not vest with respect to any additional RSUs during the remainder of such leave. Vesting will resume when you return to active Service. If you go on a paid leave of absence, the vesting schedule specified in the Grant Notice may be suspended and/or adjusted in accordance with the Company's leave of absence policy or the terms of your leave.

If you commence working on a part-time basis, the Company may adjust the vesting schedule so that the rate of vesting is commensurate with your reduced work schedule.

Settlement of RSUs

Each RSU will be settled as soon as practicable on or following the date when it vests, and in any event within the "short-term deferral period" as defined under Code Section 409A. At the Administrator's discretion, settlement may occur on fixed dates established by the Administrator for settlement of RSUs. In no event will you be permitted, directly or indirectly, to specify the taxable year of settlement of any RSUs subject to this award.

At the time of settlement, you will receive one Common Share for each vested RSU (plus payment of any dividend equivalents).

Section 409A

Settlement of these RSUs is intended to be exempt from the application of Code Section 409A pursuant to the "short-term deferral" exemption under Treasury Regulation Section 1.409A-1(b)(4), and this Agreement and the Grant Notice shall be administered and interpreted in a manner that complies with such exemption.

Notwithstanding the foregoing, if it is determined that settlement of these RSUs is not exempt from Code Section 409A and the Company determines that you are a "specified employee," as defined in the regulations under Code Section 409A at the time of your "separation from service," as defined in Treasury Regulation Section 1.409A-1(h), then this paragraph will apply. If this paragraph applies, and the event triggering settlement is your "separation from service," then any RSUs that otherwise would have been settled during the first six months following your "separation from service" will instead be settled on the first business day following the earlier of (i) the six-month anniversary of your separation from service or (ii) your death.

Each installment of RSUs that vests is hereby designated as a separate payment for purposes of Code Section 409A.

**No Voting Rights; Dividend
Equivalents**

Your RSUs carry neither voting rights nor rights to cash dividends. You have no rights as a stockholder of the Company unless and until your RSUs are settled by issuing Common Shares. Each of your RSUs shall be credited with dividend equivalents, which shall be withheld by the Company for your account. Dividend equivalents credited to your account and attributable to an RSU shall be distributed (without interest) to you at the same time as the underlying Common Share is delivered upon settlement of such RSU and if such RSU is forfeited, you shall have no right to such dividend equivalents. Dividend equivalents may be payable, in the discretion of the Company, (x) in cash, (y) in Common Shares with a Fair Market Value as of the date the RSUs are settled equal to the dividend equivalents, or (z) in an adjustment to the underlying number of Common Shares subject to the RSUs.

RSUs Nontransferable

The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered (a “**Transfer**”) by you other than by will or by the laws of descent and distribution, to your family members, a trust or entity established by you for estate planning purposes, a charitable organization designated by you, pursuant to a qualified domestic relations order or as otherwise permitted under the Plan; provided, that in case of any such permitted transfer, (i) the vesting, forfeiture and clawback provisions shall continue to relate to your Service and any termination thereof and (ii) such transfer shall be subject to such advance notice and other rules and requirements as determined by the Administrator in its sole discretion. Any attempted Transfer of the RSUs contrary to the provisions hereof, and the levy of any execution, attachment or similar process upon the RSUs, shall be null and void and without effect. In addition, regardless of any marital property settlement agreement, the Company is not obligated to recognize your former spouse’s interest in your RSUs in any way.

Beneficiary Designation

You may dispose of your RSUs in a written beneficiary designation if authorized by the Company and to the extent such beneficiary designation is valid under applicable law. Any beneficiary designation must be filed with the Company on the proper form. It will be recognized only if it has been received at the Company’s headquarters before your death. If you do not file any beneficiary designation or if none of your designated beneficiaries survives you, then your estate will receive any vested RSUs that you hold at the time of your death.

Withholding Taxes

Regardless of any action the Company (or, if applicable, the Parent, Subsidiary or Affiliate employing or retaining you (the “**Employer**”)) takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related items related to the participation in the Plan and legally applicable to you (“**Tax-Related Items**”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company and/or the Employer. You further acknowledge that the Company and the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant or vesting of the RSUs, the issuance of Common Shares upon vesting of the RSUs, the subsequent sale of Common Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (2) do not commit to and are under no obligation to structure the terms of the RSUs or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

No Common Shares will be distributed to you pursuant to the RSUs unless you have made arrangements satisfactory to the Company and/or the Employer for the payment of any Tax-Related Items that the Company and/or the Employer determine must be withheld. In this regard, you authorize the Company to satisfy your Tax-Related Items by one or a combination of the following, as determined by the Administrator.

- Withholding the amount of any Tax-Related Items from your wages or other cash compensation paid to you by the Company and/or the Employer;
- Instructing a brokerage firm selected by the Company for this purpose to sell on your behalf a number of whole shares of Company stock to be issued to you when the RSUs are settled that the Company determines are appropriate to generate cash proceeds sufficient to satisfy the Tax-Related Items. This method of satisfying your Tax-Related Items is referred to as “sale-to-cover”. You acknowledge that the Company or its designee is under no obligation to arrange for such sale at any particular price. Regardless of whether the Company arranges for such sale, you will be responsible for all fees and other costs of sale, and you agree to indemnify and hold the Company harmless from any losses, costs, damages or expenses relating to any such sale;
- Withholding Common Shares that would otherwise be issued to you when the RSUs are settled equal in value to the Tax-Related Items. The fair market value of the withheld Common Shares, determined as of the date when taxes otherwise would have been withheld in cash, will be applied to the Tax-Related Items; or
- Any other means approved by the Administrator.

To the extent the Administrator elects to satisfy the Tax-Related Items by means of sale-to-cover, you hereby authorize the Company to instruct the broker whom it has selected for this purpose to sell a number of Common Shares to be issued upon settlement of your RSUs necessary to satisfy the Tax-Related Items.

You agree to pay to the Company in cash any amount of Tax-Related Items that the Company does not elect to satisfy by the means described above. To the extent you fail to make satisfactory arrangements for the payment of any required withholding taxes, you will permanently forfeit the applicable RSUs (and related underlying Common Shares and any related dividend equivalents).

Restrictions on Issuance

The Company will not issue any Common Shares to you if the issuance of Common Shares at that time would violate any law or regulation.

Notwithstanding any other provision in the Plan, the Grant Notice or this Agreement, unless there is an available exemption from registration, qualification or other legal requirement applicable to the Common Shares, the Company shall not be required to issue any Common Shares to you prior to the completion of any registration or qualification of the Common Shares under any federal, state, local or foreign securities law or under rulings or regulations of the Securities and Exchange Commission (“SEC”) or of any other governmental body, or prior to obtaining any approval or other clearance from any federal, state, local or foreign governmental agency, which registration, qualification or approval the Company shall, in its absolute discretion, deem necessary or advisable. You understand that the Company is under no obligation to register or qualify the Company’s shares with the SEC or any state securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the shares.

Restrictions on Resale

You agree not to sell any shares at a time when applicable laws, Company policies or an agreement between the Company and its underwriters prohibit a sale. This restriction will apply as long as your Service continues and for such period of time after the termination of your Service as the Company may specify.

No Retention Rights

Neither your award nor any documentation related thereto (including this Agreement, the Grant Notice and the Plan) gives you the right to be retained by the Company, a Parent, a Subsidiary or an Affiliate in any capacity. The Company and its Parents, Subsidiaries and Affiliates reserve the right to terminate your Service at any time, with or without cause.

Adjustments

In the event of a stock split, stock dividend, reorganization and recapitalization or a similar change in Company stock, the number of your RSUs will be adjusted pursuant to the Plan.

Effect of Significant Corporate Transactions

If the Company is a party to a merger, consolidation, or certain change in control transactions, then your RSUs will be subject to the applicable provisions of Article 9 of the Plan, provided that any action taken must either (a) preserve the exemption of your RSUs from Code Section 409A or (b) comply with Code Section 409A.

No Fractional Shares

No fractional Common Shares will be issued upon settlement. In lieu of issuing a fractional Common Share resulting from an adjustment of the RSUs pursuant to the Plan or otherwise, the Company shall be entitled to pay to you a cash amount equal to the Fair Market Value of such fractional Common Share.

Recoupment Policy

This award, and the Common Shares acquired upon settlement of this award, shall be subject to recoupment or clawback under any Company policy in effect from time to time, or to the extent required by applicable law in effect at the relevant time (including, without limitation, Section 304 of the Sarbanes-Oxley Act and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act) and/or the rules and regulations of any applicable securities exchange or inter-dealer quotation system on which the Common Shares may be listed or quoted.

Amendment and Waiver

The Administrator, at any time, and from time to time, may amend the terms of the Grant Notice or this Agreement; provided, however, that your rights shall not be materially and adversely affected without your written consent.

Any right of the Company contained in the Grant Notice or this Agreement may be waived in writing by the Administrator. No waiver of any right hereunder by any party shall operate as a waiver of any other right, or as a waiver of the same right with respect to any subsequent occasion for its exercise, or as a waiver of any right to damages. No waiver by any party of any breach of the Grant Notice or this Agreement shall be held to constitute a waiver of any other breach or a waiver of the continuation of the same breach.

Applicable Law; Consent to Jurisdiction; Waiver of Jury Trial

This Agreement and the Grant Notice will be interpreted and enforced under the laws of the State of Delaware without regard to its choice-of-law provisions or principles of conflicts of laws of any other jurisdiction which could cause the application of the laws of any jurisdiction other than the State of Delaware.

You and the Company (on behalf of itself and its Affiliates) each consents to jurisdiction in a Delaware state or a federal court sitting in Wilmington, Delaware, and each waives any other requirement (whether imposed by statute, rule of court or otherwise) with respect to personal jurisdiction or service of process and waives any objection to jurisdiction based on improper venue or improper jurisdiction.

EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY, IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THE PLAN, THE GRANT NOTICE OR THIS AGREEMENT.

Successors; Interpretation

The terms of the Grant Notice and this Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, and of you and your beneficiaries, executors, administrators, heirs and successors. The invalidity or unenforceability of any provision of this Agreement (or the Grant Notice, as applicable) shall not affect the validity or enforceability of any other provision of this Agreement (or the Grant Notice, as applicable), and each other provision of this Agreement (or the Grant Notice, as applicable) shall be severable and enforceable to the extent permitted by law. The headings of the sections hereof are provided for convenience only and are not to serve as a basis for interpretation or construction, and shall not constitute a part, of the Grant Notice or this Agreement. Pronouns and other words of gender shall be read as gender-neutral. Words importing the plural shall include the singular and the singular shall include the plural. Each of the Grant Notice and this Agreement may be entered into in counterparts.

The Plan and Other Agreements

The text of the Plan is incorporated in this Agreement by reference. The Administrator shall have final authority to interpret and construe the Plan, the Grant Notice and this Agreement and to make any and all determinations under them, and its decision shall be binding and conclusive upon you and all other persons in respect of any questions arising under the Plan, the Grant Notice or this Agreement.

The Plan, this Agreement and the Grant Notice constitute the entire understanding between you and the Company regarding this award. Any prior agreements, commitments or negotiations concerning this award are superseded.

Notwithstanding any provisions in the Grant Notice or this Agreement, if you are located outside of the United States, the RSUs shall be subject to any special terms, conditions or notifications for your country. Moreover, if you relocate to another country, any special terms and conditions for such country will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable in order to comply with local law or facilitate the administration of the Plan.

BY ACCEPTING THIS RSU AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

Shapeways Holdings, Inc.
2021 Equity Incentive Plan
Notice of Restricted Stock Unit Award
(Non-Employee Director)

You have been granted Restricted Stock Units (“RSUs”), each representing the right to receive one Common Share of Shapeways Holdings, Inc. (the “Company”), on the following terms:

Name of Recipient:	«Name»
Total Number of RSUs Granted:	«TotalRSUs»
Date of Grant:	«DateGrant»
Vesting Commencement Date	«VestCommDate»
Vesting Schedule:	Initial Grant: 1/3 of the RSUs subject to this award will vest on each of the first, second and third anniversary of the Vesting Commencement Date (or if there is no corresponding date, the last day of the applicable month), in each case subject to your continuous service as an Outside Director (“Service”) through each such vesting date. In addition, if the Company is subject to a Change in Control (as defined in the Plan) before your Service terminates, the RSUs subject to this award will vest in full upon the effective date of such transaction. Annual Grant: The RSUs subject to this award will vest in a single installment on the earlier of (i) the date of the next annual meeting of stockholders following the Date of Grant or (ii) the one-year anniversary of the Date of Grant (or if there is no corresponding date, the last date of the month), subject to your continuous service as an Outside Director (“Service”) through such date. In addition, if the Company is subject to a Change in Control (as defined in the Plan) before your Service terminates, the RSUs subject to this award will vest in full upon the effective date of such transaction.

You and the Company agree that these RSUs are granted under and governed by the terms and conditions of the Company’s 2021 Equity Incentive Plan (the “Plan”) and the Restricted Stock Unit Agreement, both of which are attached to, and made a part of, this document. Capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the Plan or the Restricted Stock Unit Agreement, as applicable.

The Company may, in its sole discretion, decide to deliver any documents related to RSUs or the Plan, and all documents that the Company is required to deliver to shareholders (including annual reports and proxy statements), by email or other electronic means (including posting them on a website maintained by the Company or a third party under contract with the Company). You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through any online or electronic system established and maintained by the Company or another third party designated by the Company. You acknowledge that you may incur costs in connection with any such delivery by means of electronic transmission, including the cost of accessing the Internet and printing fees, and that an interruption of Internet access may interfere with your ability to access the documents.

You further agree to comply with the Company’s *Insider Trading Policy*, as in effect from time to time, when selling common shares.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan**

Restricted Stock Unit Agreement

Grant of RSUs

Subject to all of the terms and conditions set forth in the Shapeways Holdings, Inc. 2021 Equity Incentive Plan (the “**Plan**”), the Notice of Restricted Stock Unit Award (the “**Grant Notice**”), and this Restricted Stock Unit Agreement (the “**Agreement**”), the Company has granted to you the number of RSUs set forth in the Grant Notice.

All capitalized terms used in this Agreement shall have the meanings assigned to them in this Agreement, the Grant Notice or the Plan, as applicable.

Nature of RSUs

Your RSUs are bookkeeping entries. They represent only the Company’s unfunded and unsecured promise to issue Common Shares on a future date, subject to the terms and conditions of this Agreement, the Grant Notice and the Plan. As a holder of RSUs, you have no rights other than the rights of a general creditor of the Company.

Payment for RSUs

No payment is required for the RSUs that you are receiving.

Vesting

The RSUs vest in accordance with the vesting schedule set forth in the Grant Notice.

In no event will any additional RSUs vest after your Service has terminated for any reason unless expressly provided in a written agreement between you and the Company.

The Company determines whether and when your Service terminates for all purposes of your RSUs.

Termination of Service/Forfeiture

If your Service terminates for any reason, then your RSUs will be forfeited to the extent that they have not vested before the termination date and do not vest as a result of the termination of your Service. This means that any RSUs that have not vested under this Agreement will be cancelled immediately. You will receive no payment for RSUs that are forfeited.

Settlement of RSUs

Each RSU will be settled as soon as practicable on or following the date when it vests, and in any event within the “short-term deferral period” as defined under Code Section 409A. In no event will you be permitted, directly or indirectly, to specify the taxable year of settlement of any RSUs subject to this award.

At the time of settlement, you will receive one Common Share for each vested RSU (plus payment of any dividend equivalents).

Section 409A

Settlement of these RSUs is intended to be exempt from the application of Code Section 409A pursuant to the “short-term deferral” exemption under Treasury Regulation Section 1.409A-1(b) (4), and this Agreement and the Grant Notice shall be administered and interpreted in a manner that complies with such exemption.

Notwithstanding the foregoing, if it is determined that settlement of these RSUs is not exempt from Code Section 409A and the Company determines that you are a “specified employee,” as defined in the regulations under Code Section 409A at the time of your “separation from service,” as defined in Treasury Regulation Section 1.409A-1(h), then this paragraph will apply. If this paragraph applies, and the event triggering settlement is your “separation from service,” then any RSUs that otherwise would have been settled during the first six months following your “separation from service” will instead be settled on the first business day following the earlier of (i) the six-month anniversary of your separation from service or (ii) your death.

Each installment of RSUs that vests is hereby designated as a separate payment for purposes of Code Section 409A.

No Voting Rights; Dividend Equivalents

Your RSUs carry neither voting rights nor rights to cash dividends. You have no rights as a stockholder of the Company unless and until your RSUs are settled by issuing Common Shares. Each of your RSUs shall be credited with dividend equivalents, which shall be withheld by the Company for your account. Dividend equivalents credited to your account and attributable to an RSU shall be distributed (without interest) to you at the same time as the underlying Common Share is delivered upon settlement of such RSU and if such RSU is forfeited, you shall have no right to such dividend equivalents. Dividend equivalents may be payable, in the discretion of the Company, (x) in cash, (y) in Common Shares with a Fair Market Value as of the date the RSUs are settled equal to the dividend equivalents, or (z) in an adjustment to the underlying number of Common Shares subject to the RSUs.

RSUs Nontransferable

The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered (a “**Transfer**”) by you other than by will or by the laws of descent and distribution, to your family members, a trust or entity established by you for estate planning purposes, a charitable organization designated by you, pursuant to a qualified domestic relations order or as otherwise permitted under the Plan; provided, that in case of any such permitted transfer, (i) the vesting, forfeiture and clawback provisions shall continue to relate to your Service and any termination thereof and (ii) such transfer shall be subject to such advance notice and other rules and requirements as determined by the Administrator in its sole discretion. Any attempted Transfer of the RSUs contrary to the provisions hereof, and the levy of any execution, attachment or similar process upon the RSUs, shall be null and void and without effect. In addition, regardless of any marital property settlement agreement, the Company is not obligated to recognize your former spouse’s interest in your RSUs in any way.

Beneficiary Designation

You may dispose of your RSUs in a written beneficiary designation if authorized by the Company and to the extent such beneficiary designation is valid under applicable law. Any beneficiary designation must be filed with the Company on the proper form. It will be recognized only if it has been received at the Company's headquarters before your death. If you do not file any beneficiary designation or if none of your designated beneficiaries survives you, then your estate will receive any vested RSUs that you hold at the time of your death.

Withholding Taxes

Regardless of any action the Company (or, if applicable, the Parent, Subsidiary or Affiliate employing or retaining you (the "Employer")) takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related items related to the participation in the Plan and legally applicable to you ("Tax-Related Items"), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company and/or the Employer. You further acknowledge that the Company and the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant or vesting of the RSUs, the issuance of Common Shares upon vesting of the RSUs, the subsequent sale of Common Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (2) do not commit to and are under no obligation to structure the terms of the RSUs or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

No Common Shares will be distributed to you pursuant to the RSUs unless you have made arrangements satisfactory to the Company and/or the Employer for the payment of any Tax-Related Items that the Company and/or the Employer determine must be withheld. In this regard, you authorize the Company to satisfy your Tax-Related Items by one or a combination of the following, as determined by the Administrator.

- Withholding the amount of any Tax-Related Items from your wages or other cash compensation paid to you by the Company and/or the Employer;
- Instructing a brokerage firm selected by the Company for this purpose to sell on your behalf a number of whole shares of Company stock to be issued to you when the RSUs are settled that the Company determines are appropriate to generate cash proceeds sufficient to satisfy the Tax-Related Items. This method of satisfying your Tax-Related Items is referred to as “sale-to-cover”. You acknowledge that the Company or its designee is under no obligation to arrange for such sale at any particular price. Regardless of whether the Company arranges for such sale, you will be responsible for all fees and other costs of sale, and you agree to indemnify and hold the Company harmless from any losses, costs, damages or expenses relating to any such sale;
- Withholding Common Shares that would otherwise be issued to you when the RSUs are settled equal in value to the Tax-Related Items. The fair market value of the withheld Common Shares, determined as of the date when taxes otherwise would have been withheld in cash, will be applied to the Tax-Related Items; or
- Any other means approved by the Administrator.

To the extent the Administrator elects to satisfy the Tax-Related Items by means of sale-to-cover, you hereby authorize the Company to instruct the broker whom it has selected for this purpose to sell a number of Common Shares to be issued upon settlement of your RSUs necessary to satisfy the Tax-Related Items.

You agree to pay to the Company in cash any amount of Tax-Related Items that the Company does not elect to satisfy by the means described above. To the extent you fail to make satisfactory arrangements for the payment of any required withholding taxes, you will permanently forfeit the applicable RSUs (and related underlying Common Shares and any related dividend equivalents).

Restrictions on Issuance

The Company will not issue any Common Shares to you if the issuance of Common Shares at that time would violate any law or regulation.

Notwithstanding any other provision in the Plan, the Grant Notice or this Agreement, unless there is an available exemption from registration, qualification or other legal requirement applicable to the Common Shares, the Company shall not be required to issue any Common Shares to you prior to the completion of any registration or qualification of the Common Shares under any federal, state, local or foreign securities law or under rulings or regulations of the Securities and Exchange Commission (“SEC”) or of any other governmental body, or prior to obtaining any approval or other clearance from any federal, state, local or foreign governmental agency, which registration, qualification or approval the Company shall, in its absolute discretion, deem necessary or advisable. You understand that the Company is under no obligation to register or qualify the Company’s shares with the SEC or any state securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the shares.

Restrictions on Resale	You agree not to sell any shares at a time when applicable laws, Company policies or an agreement between the Company and its underwriters prohibit a sale. This restriction will apply as long as your Service continues and for such period of time after the termination of your Service as the Company may specify.
No Retention Rights	Neither your award nor any documentation related thereto (including this Agreement, the Grant Notice and the Plan) gives you the right to be retained by the Company, a Parent, a Subsidiary or an Affiliate in any capacity. The Company and its Parents, Subsidiaries and Affiliates reserve the right to terminate your Service at any time, with or without cause.
Adjustments	In the event of a stock split, stock dividend, reorganization and recapitalization or a similar change in Company stock, the number of your RSUs will be adjusted pursuant to the Plan.
Effect of Significant Corporate Transactions	If the Company is a party to a merger, consolidation, or certain change in control transactions, then your RSUs will be subject to the applicable provisions of Article 9 of the Plan, <u>provided</u> that any action taken must either (a) preserve the exemption of your RSUs from Code Section 409A or (b) comply with Code Section 409A.
No Fractional Shares	No fractional Common Shares will be issued upon settlement. In lieu of issuing a fractional Common Share resulting from an adjustment of the RSUs pursuant to the Plan or otherwise, the Company shall be entitled to pay to you a cash amount equal to the Fair Market Value of such fractional Common Share.
Recoupment Policy	This award, and the Common Shares acquired upon settlement of this award, shall be subject to recoupment or clawback under any Company policy in effect from time to time, or to the extent required by applicable law in effect at the relevant time (including, without limitation, Section 304 of the Sarbanes-Oxley Act and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act) and/or the rules and regulations of any applicable securities exchange or inter-dealer quotation system on which the Common Shares may be listed or quoted.
Amendment and Waiver	<p>The Administrator, at any time, and from time to time, may amend the terms of the Grant Notice or this Agreement; <u>provided, however</u>, that your rights shall not be materially and adversely affected without your written consent.</p> <p>Any right of the Company contained in the Grant Notice or this Agreement may be waived in writing by the Administrator. No waiver of any right hereunder by any party shall operate as a waiver of any other right, or as a waiver of the same right with respect to any subsequent occasion for its exercise, or as a waiver of any right to damages. No waiver by any party of any breach of the Grant Notice or this Agreement shall be held to constitute a waiver of any other breach or a waiver of the continuation of the same breach.</p>

Applicable Law; Consent to Jurisdiction; Waiver of Jury Trial

This Agreement and the Grant Notice will be interpreted and enforced under the laws of the State of Delaware without regard to its choice-of-law provisions or principles of conflicts of laws of any other jurisdiction which could cause the application of the laws of any jurisdiction other than the State of Delaware.

You and the Company (on behalf of itself and its Affiliates) each consents to jurisdiction in a Delaware state or a federal court sitting in Wilmington, Delaware, and each waives any other requirement (whether imposed by statute, rule of court or otherwise) with respect to personal jurisdiction or service of process and waives any objection to jurisdiction based on improper venue or improper jurisdiction. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY, IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THE PLAN, THE GRANT NOTICE OR THIS AGREEMENT.

Successors; Interpretation

The terms of the Grant Notice and this Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, and of you and your beneficiaries, executors, administrators, heirs and successors. The invalidity or unenforceability of any provision of this Agreement (or the Grant Notice, as applicable) shall not affect the validity or enforceability of any other provision of this Agreement (or the Grant Notice, as applicable), and each other provision of this Agreement (or the Grant Notice, as applicable) shall be severable and enforceable to the extent permitted by law. The headings of the sections hereof are provided for convenience only and are not to serve as a basis for interpretation or construction, and shall not constitute a part, of the Grant Notice or this Agreement. Pronouns and other words of gender shall be read as gender-neutral. Words importing the plural shall include the singular and the singular shall include the plural. Each of the Grant Notice and this Agreement may be entered into in counterparts.

The Plan and Other Agreements

The text of the Plan is incorporated in this Agreement by reference. The Administrator shall have final authority to interpret and construe the Plan, the Grant Notice and this Agreement and to make any and all determinations under them, and its decision shall be binding and conclusive upon you and all other persons in respect of any questions arising under the Plan, the Grant Notice or this Agreement.

The Plan, this Agreement and the Grant Notice constitute the entire understanding between you and the Company regarding this award. Any prior agreements, commitments or negotiations concerning this award are superseded.

Notwithstanding any provisions in the Grant Notice or this Agreement, if you are located outside of the United States, the RSUs shall be subject to any special terms, conditions or notifications for your country. Moreover, if you relocate to another country, any special terms and conditions for such country will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable in order to comply with local law or facilitate the administration of the Plan.

BY ACCEPTING THIS RSU AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan
Notice of Restricted Stock Unit Award**

You have been granted Restricted Stock Units (“RSUs”), each representing the right to receive one Common Share of Shapeways Holdings, Inc. (the “Company”), on the following terms:

«Name»¹
Number of RSUs: «TotalRSUs»²
«DateGrant»³
Vesting Commencement Date:⁴ <<Vest-ComDate>>]
[_____, ____]⁵

Two vesting requirements must be satisfied on or before the Expiration Date specified above in order for an RSU to vest:

- (i) a requirement that you provide continuous Service over the period of time set forth in “*Service-Based Condition*” below; and
- (ii) a requirement that the applicable “*RSU Performance Milestone*,” as set forth below, is satisfied. As described below, the RSU Performance Milestones will be satisfied as to 50% of the RSUs upon the achievement of the First RSU Performance Milestone (as defined below), and as to the remaining 50%

The requirements described in the foregoing clauses (i) and (ii) are collectively referred to herein as the “**Vesting Requirements**.”

¹ Earnout RSUs to be granted to holders of in-the-money options outstanding as of immediately prior to the Effective Time (provided such holder remains in continuous service through the date of grant).

² Number of RSUs to equal the product of (a) the number of shares subject to the recipient’s option immediately prior to the Effective Time, multiplied by (b) 10% of the Conversion Ratio (rounded down to the nearest whole share).

³ To be granted as soon as reasonably practicable following the Effective Time.

⁴ To be the same Vesting Commencement Date as the option held by the recipient.

⁵ To be the 3-year anniversary of the Closing Date or the Option’s original Expiration Date.

For clarity, if the Service-Based Condition is satisfied for any RSUs prior to satisfaction of any RSU Performance Milestone, (i) such RSUs shall remain outstanding and eligible to vest upon the satisfaction of the applicable RSU Performance Milestones on or before the Expiration Date and (ii) if, subsequently, the First RSU Performance Milestone (as defined below) is achieved on or before the Expiration Date but the Second RSU Performance Milestone (as defined below) has not yet been achieved, then 50% of such RSUs shall vest upon satisfaction of the First RSU Performance Milestone and the remaining 50% of such RSUs shall remain outstanding and eligible to vest upon the satisfaction of the Second RSU Performance Milestone on or before the Expiration Date.

If, prior to the satisfaction of the Service-Based Condition for any RSUs, the First RSU Performance Milestone (but not the Second RSU Performance Milestone) has been achieved, then upon satisfaction of the Service-Based Condition for such RSUs, 50% of the RSUs eligible to vest upon the applicable Service Date (as defined below) shall become vested, and the remaining 50% of the RSUs eligible to vest upon such Service Date shall remain outstanding and eligible to vest upon the upon the satisfaction of the Second RSU Performance Milestone on or before the Expiration Date.

If, prior to the satisfaction of the Service-Based Condition for any RSUs, both the First RSU Performance Milestone and the Second RSU Performance Milestone have been achieved, then upon satisfaction of the Service-Based Condition for such RSUs, 100% of the RSUs eligible to vest upon the applicable Service Date shall become vested.

The “**Vesting Date**” of a given RSU will be the first date on or before the Expiration Date upon which all Vesting Requirements are satisfied with respect to that particular RSU.

A given RSU will not vest if any Vesting Requirement fails to be satisfied with respect to that RSU on or before the Expiration Date. Such RSU shall be forfeited as of (x) the Expiration Date or (y) your earlier termination of Service that results in such forfeiture in accordance with the Restricted Stock Unit Agreement, as the case may be. Upon such forfeiture, you will have no further rights with respect to such forfeited RSU or the Common Share covered thereby.

[**Version 1:** The Service-Based Condition has been satisfied with respect to all of your RSUs as of the Date of Grant. The “**Service Date**” for purposes of this Agreement shall mean the Date of Grant.]

[**Version 2:** The Service-Based Condition will be satisfied (i) with respect to the first 25% of the RSUs on the [12-month] [6-month] anniversary of the Vesting Commencement Date and (ii) monthly thereafter with respect to 1/48th of the RSUs, provided you remain in continuous Service through each such date (each, a “**Service Date**”).]

[**Version 3:** The Service-Based Condition will be satisfied with respect to [1/___th] of the RSUs on the monthly anniversary of the Vesting Commencement Date, provided you remain in continuous Service through each such date (each, a “**Service Date**”).]

as: The “**First RSU Performance Milestone**” will be satisfied if and when the VWAP of the Common Shares equals or exceeds \$14.00 per share (as adjusted for stock splits, stock dividends, reorganizations and recapitalizations and similar transactions after the Closing) for 30 consecutive Trading Days occurring during the period beginning on the Closing Date and ending on the Expiration Date.

The “**Second RSU Performance Milestone**” will be satisfied if and when the VWAP of the Common Shares equals or exceeds \$16.00 per share (as adjusted for stock splits, stock dividends, reorganizations and recapitalizations and similar transactions after the Closing) for 30 consecutive Trading Days occurring during the period beginning on the Closing Date and ending on the Expiration Date.

For the avoidance of doubt, if the Second RSU Performance Milestone has been achieved on or prior to the Expiration Date, then the First RSU Performance Milestone (if not already satisfied) will have also been achieved upon satisfaction of the Second RSU Performance Milestone, such that, upon achievement of the Second RSU Performance Milestone, both RSU Performance Milestones shall be considered satisfied for all RSUs granted hereunder.

⁶ The Service-Based Condition tracks the vesting schedule of the option held by the recipient. Certain options are fully vested as of the date of grant, and other Options have various vesting schedules (e.g., cliff-vesting at 6 months or 1 year followed by monthly vesting; or only monthly vesting with no cliff-vesting).

You and the Company agree that these RSUs are granted under and governed by the terms and conditions of the Company's 2021 Equity Incentive Plan (the "**Plan**") and the Restricted Stock Unit Agreement, both of which are attached to, and made a part of, this document. Capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the Plan or the Restricted Stock Unit Agreement, as applicable.

The Company may, in its sole discretion, decide to deliver any documents related to RSUs or the Plan, and all documents that the Company is required to deliver to shareholders (including annual reports and proxy statements), by email or other electronic means (including posting them on a website maintained by the Company or a third party under contract with the Company). You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through any online or electronic system established and maintained by the Company or another third party designated by the Company. You acknowledge that you may incur costs in connection with any such delivery by means of electronic transmission, including the cost of accessing the Internet and printing fees, and that an interruption of Internet access may interfere with your ability to access the documents.

You further agree to comply with the Company's *Insider Trading Policy*, as in effect from time to time, when selling common shares.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan**

Restricted Stock Unit Agreement

1. Grant of RSUs

Subject to all of the terms and conditions set forth in the Shapeways Holdings, Inc. 2021 Equity Incentive Plan (the “**Plan**”), the Notice of Restricted Stock Unit Award (the “**Grant Notice**”), and this Restricted Stock Unit Agreement (the “**Agreement**”), the Company has granted to you the number of RSUs set forth in the Grant Notice.

All capitalized terms used in this Agreement shall have the meanings assigned to them in this Agreement, the Grant Notice or the Plan, as applicable.

2. Nature of RSUs

Your RSUs are bookkeeping entries. They represent only the Company’s unfunded and unsecured promise to issue Common Shares on a future date, subject to the terms and conditions of this Agreement, the Grant Notice and the Plan. As a holder of RSUs, you have no rights other than the rights of a general creditor of the Company.

3. Vesting

The RSUs vest in accordance with the vesting schedule set forth in the Grant Notice.

4. Settlement of RSUs

(a) Each vested RSU shall be settled as soon as practicable on or following the applicable Vesting Date, and in any event within the “short-term deferral period” as defined under Code Section 409A. In no event will you be permitted, directly or indirectly, to specify the taxable year of settlement of any RSUs subject to this award.

(b) At the time of settlement, you will receive one Common Share for each vested RSU (plus payment of any dividend equivalents pursuant to Section 8).

**5. Termination of Service;
Expiration**

(a) Except (x) as otherwise determined by the Administrator or (y) expressly provided in an employment, consulting or other written agreement between you and the Company and/or one of its Subsidiaries or Affiliates, any RSUs for which the Service-Based Condition has not been satisfied as of your termination of Service shall be forfeited and cancelled without payment.

(b) If your Service terminates before one or more of the RSU Performance Milestones has been met, then the portion of your RSUs for which the Service-Based Condition has been satisfied (taking into account any acceleration pursuant to Section 5(a), as applicable) shall remain outstanding and eligible to vest upon achievement of the applicable RSU Performance Milestones.

(c) If any RSU Performance Milestone fails to be satisfied by the Expiration Date, then the corresponding RSUs shall be forfeited and cancelled without payment as of the Expiration Date.

6. Leaves of Absence and Part-Time Work

(a) For purposes of this award, except as set forth in subsection (b) below, your Service does not terminate when you go on a military leave, a sick leave or another *bona fide* leave of absence, if the leave was approved by the Company in writing. Your Service will be deemed terminated for purposes of this award when the approved leave ends, unless you immediately return to active work.

(b) If you go on a leave of absence that lasts more than 30 days, then, to the extent permitted by applicable law, the Company may adjust or suspend the schedule of Service Dates under the Service-Based Condition specified in the Grant Notice.

(c) If you commence working on a part-time basis, the Company may adjust the vesting schedule so that the rate of vesting is commensurate with your reduced work schedule.

7. Section 409A

(a) These RSUs are intended to be exempt from the application of Code Section 409A pursuant to the “short-term deferral” exemption under Treasury Regulation Section 1.409A-1(b)(4), and this Agreement and the Grant Notice shall be administered and interpreted in a manner that complies with such exemption.

(b) Notwithstanding the foregoing, if it is determined that settlement of these RSUs is not exempt from Code Section 409A and the Company determines that you are a “specified employee,” as defined in the regulations under Code Section 409A at the time of your “separation from service” from the Company and its Affiliates, as such term is defined in Treasury Regulation Section 1.409A-1(h), then this paragraph will apply. If this paragraph applies, and the event triggering settlement is your “separation from service” from the Company and its Affiliates, then any RSUs that otherwise would have been settled during the first six months following your “separation from service” will instead be settled on the first business day following the earlier of (i) the six-month anniversary of your separation from service or (ii) your death.

(c) Each installment of RSUs that is settled after vesting is hereby designated as a separate payment for purposes of Code Section 409A.

8. No Voting Rights; Dividend Equivalents

Your RSUs carry neither voting rights nor rights to cash dividends. You have no rights as a stockholder of the Company unless and until your RSUs are settled by issuing Common Shares. Each of your RSUs shall be credited with dividend equivalents, which shall be withheld by the Company for your account. Dividend equivalents credited to your account and attributable to an RSU shall be distributed (without interest) to you at the same time as the underlying Common Share is delivered upon settlement of such RSU and, if such RSU is forfeited, you shall have no right to such dividend equivalents. Dividend equivalents may be payable, in the discretion of the Company, (x) in cash, (y) in Common Shares with a Fair Market Value as of the applicable Vesting Date equal to the dividend equivalents, or (z) in an adjustment to the underlying number of Common Shares subject to the RSUs.

9. RSUs Nontransferable

The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered (a “**Transfer**”) by you other than by will or by the laws of descent and distribution, to your family members, a trust or entity established by you for estate planning purposes, a charitable organization designated by you, pursuant to a qualified domestic relations order or as otherwise permitted under the Plan; provided, that in case of any such permitted transfer, (i) the vesting, forfeiture and clawback provisions shall continue to relate to your Service and any termination thereof and (ii) such transfer shall be subject to such advance notice and other rules and requirements as determined by the Administrator in its sole discretion. Any attempted Transfer of the RSUs contrary to the provisions hereof, and the levy of any execution, attachment or similar process upon the RSUs, shall be null and void and without effect. In addition, regardless of any marital property settlement agreement, the Company is not obligated to recognize your former spouse’s interest in your RSUs in any way.

10. Beneficiary Designation

You may dispose of your RSUs in a written beneficiary designation if authorized by the Company and to the extent such beneficiary designation is valid under applicable law. Any beneficiary designation must be filed with the Company on the proper form. It will be recognized only if it has been received at the Company’s headquarters before your death. If you do not file any beneficiary designation or if none of your designated beneficiaries survives you, then your estate will receive any vested RSUs that you hold at the time of your death.

11. Withholding Taxes

(a) Regardless of any action the Company (or, if applicable, the Parent, Subsidiary or Affiliate employing or retaining you (the “**Employer**”)) takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related items related to the participation in the Plan and legally applicable to you (“**Tax-Related Items**”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company and/or the Employer. You further acknowledge that the Company and the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant or vesting of the RSUs, the issuance of Common Shares upon vesting of the RSUs, the subsequent sale of Common Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (2) do not commit to and are under no obligation to structure the terms of the RSUs or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

(b) No Common Shares will be distributed to you pursuant to the RSUs unless you have made arrangements satisfactory to the Company and/or the Employer for the payment of any Tax-Related Items that the Company and/or the Employer determine must be withheld. In this regard, you authorize the Company to satisfy your Tax-Related Items by one or a combination of the following, as determined by the [Administrator] [Company]:

- Withholding the amount of any Tax-Related Items from your wages or other cash compensation paid to you by the Company and/or the Employer;
- Instructing a brokerage firm selected by the Company for this purpose to sell on your behalf a number of whole shares of Company stock to be issued to you when the RSUs are settled that the Company determines are appropriate to generate cash proceeds sufficient to satisfy the Tax-Related Items. This method of satisfying your Tax-Related Items is referred to as “sale to cover”. You acknowledge that the Company or its designee is under no obligation to arrange for such sale at any particular price. Regardless of whether the Company arranges for such sale, you will be responsible for all fees and other costs of sale, and you agree to indemnify and hold the Company harmless from any losses, costs, damages or expenses relating to any such sale;⁷

⁷ For Section 16 officers or senior executives who may become Section 16 officers, use “Administrator,” otherwise use “Company.”

- Withholding Common Shares that would otherwise be issued to you when the RSUs are settled equal in value to the Tax-Related Items. The fair market value of the withheld Common Shares, determined as of the date when taxes otherwise would have been withheld in cash, will be applied to the Tax-Related Items; or
- Any other means approved by the [Administrator] [Company].
- To the extent the Administrator elects to satisfy the Tax-Related Items by means of sale to cover, you hereby authorize the Company to instruct the broker whom it has selected for this purpose to sell a number of Common Shares to be issued upon settlement of your RSUs necessary to satisfy the Tax-Related Items.

(c) You agree to pay to the Company in cash any amount of Tax-Related Items that the Company does not elect to satisfy by the means described above. To the extent you fail to make satisfactory arrangements for the payment of any required withholding taxes, you will permanently forfeit the applicable RSUs (and related underlying Common Shares and any related dividend equivalents).

12. Restrictions on Issuance

(a) The Company will not issue any Common Shares to you if the issuance of Common Shares at that time would violate any law or regulation.

(b) Notwithstanding any other provision in the Plan, the Grant Notice or this Agreement, unless there is an available exemption from registration, qualification or other legal requirement applicable to the Common Shares, the Company shall not be required to issue any Common Shares to you prior to the completion of any registration or qualification of the Common Shares under any federal, state, local or foreign securities law or under rulings or regulations of the Securities and Exchange Commission (“SEC”) or of any other governmental body, or prior to obtaining any approval or other clearance from any federal, state, local or foreign governmental agency, which registration, qualification or approval the Company shall, in its absolute discretion, deem necessary or advisable. You understand that the Company is under no obligation to register or qualify the Company’s shares with the SEC or any state securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the shares.

13. Restrictions on Resale

You agree not to sell any shares at a time when applicable laws, Company policies or an agreement between the Company and its underwriters prohibit a sale. This restriction will apply as long as your Service continues and for such period of time after the termination of your Service as the Company may specify.

14. No Retention Rights

Neither your award nor any documentation related thereto (including this Agreement, the Grant Notice and the Plan) gives you the right to be retained by the Company, a Parent, a Subsidiary or an Affiliate in any capacity. The Company and its Parents, Subsidiaries and Affiliates reserve the right to terminate your Service at any time, with or without cause.

15. Adjustments

In the event of a stock split, stock dividend, reorganization and recapitalization or a similar change in Company stock, the number of your RSUs will be adjusted pursuant to the Plan.

16. Effect of Significant Corporate Transactions

If the Company is a party to a merger, consolidation, or certain change in control transactions, then your RSUs will be subject to the applicable provisions of Article 9 of the Plan, provided that any action taken must either (a) preserve the exemption of your RSUs from Code Section 409A or (b) comply with Code Section 409A.

17. No Fractional Shares

No fractional Common Shares will be issued upon settlement. In lieu of issuing a fractional Common Share resulting from an adjustment of the RSUs pursuant to the Plan or otherwise, the Company shall be entitled to pay to you a cash amount equal to the Fair Market Value of such fractional Common Share.

18. Recoupment Policy

This award, and the Common Shares acquired upon settlement of this award, shall be subject to recoupment or clawback under any Company policy in effect from time to time, or to the extent required by applicable law in effect at the relevant time (including, without limitation, Section 304 of the Sarbanes-Oxley Act and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act) and/or the rules and regulations of any applicable securities exchange or inter-dealer quotation system on which the Common Shares may be listed or quoted.

19. Amendment and Waiver

(a) The Administrator, at any time, and from time to time, may amend the terms of the Grant Notice or this Agreement; provided, however, that your rights shall not be materially and adversely affected without your written consent.

(b) Any right of the Company contained in the Grant Notice or this Agreement may be waived in writing by the Administrator. No waiver of any right hereunder by any party shall operate as a waiver of any other right, or as a waiver of the same right with respect to any subsequent occasion for its exercise, or as a waiver of any right to damages. No waiver by any party of any breach of the Grant Notice or this Agreement shall be held to constitute a waiver of any other breach or a waiver of the continuation of the same breach.

20. Applicable Law; Consent to Jurisdiction; Waiver of Jury Trial

This Agreement and the Grant Notice will be interpreted and enforced under the laws of the State of Delaware without regard to its choice-of-law provisions or principles of conflicts of laws of any other jurisdiction which could cause the application of the laws of any jurisdiction other than the State of Delaware.

You and the Company (on behalf of itself and its Affiliates) each consents to jurisdiction in a Delaware state or a federal court sitting in Wilmington, Delaware, and each waives any other requirement (whether imposed by statute, rule of court or otherwise) with respect to personal jurisdiction or service of process and waives any objection to jurisdiction based on improper venue or improper jurisdiction. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY, IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THE PLAN, THE GRANT NOTICE OR THIS AGREEMENT.

21. Successors; Interpretation

The terms of the Grant Notice and this Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, and of you and your beneficiaries, executors, administrators, heirs and successors. The invalidity or unenforceability of any provision of this Agreement (or the Grant Notice, as applicable) shall not affect the validity or enforceability of any other provision of this Agreement (or the Grant Notice, as applicable), and each other provision of this Agreement (or the Grant Notice, as applicable) shall be severable and enforceable to the extent permitted by law. The headings of the sections hereof are provided for convenience only and are not to serve as a basis for interpretation or construction, and shall not constitute a part, of the Grant Notice or this Agreement. Pronouns and other words of gender shall be read as gender-neutral. Words importing the plural shall include the singular and the singular shall include the plural. Each of the Grant Notice and this Agreement may be entered into in counterparts.

22. The Plan and Other Agreements

(a) The text of the Plan is incorporated in this Agreement by reference. The Administrator shall have final authority to interpret and construe the Plan, the Grant Notice and this Agreement and to make any and all determinations under them, and its decision shall be binding and conclusive upon you and all other persons in respect of any questions arising under the Plan, the Grant Notice or this Agreement.

(b) The Plan, this Agreement and the Grant Notice constitute the entire understanding between you and the Company regarding this award. Any prior agreements, commitments or negotiations concerning this award are superseded.

(c) Notwithstanding any provisions in the Grant Notice or this Agreement, if you are located outside of the United States, the RSUs shall be subject to any special terms, conditions or notifications for your country. Moreover, if you relocate to another country, any special terms and conditions for such country will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable in order to comply with local law or facilitate the administration of the Plan.

23. Definitions

For purposes of the Grant Notice and this Agreement, the following terms shall have the following meanings:

- (a) **“Closing Date”** has the meaning set forth in the Merger Agreement.
- (b) **“Trading Day”** means any day on which Common Shares are actually traded on the principal securities exchange or securities market on which the Common Shares are then traded.
- (c) **“VWAP”** means, for a Common Share, the dollar volume-weighted average price for a Common Share on the principal securities exchange or securities market on which the Common Shares are then traded during the applicable date(s), as reported by Bloomberg through its “VWAP” or other applicable function (set to weighted average) or, if the foregoing does not apply, the dollar volume-weighted average price of a Common Share in the over-the-counter market on the electronic bulletin board for such security during the applicable date(s), as reported by Bloomberg, or, if no dollar volume-weighted average price is reported for Common Shares by Bloomberg for such hours, the average of the highest closing bid price and the lowest closing ask price of any of the market makers for a Common Share as reported by OTC Markets Group Inc. If the VWAP cannot be calculated for Common Shares on such date(s) on any of the foregoing bases (including if the Common Shares are not actually traded on the principal securities exchange or securities market on which the Common Shares are then traded for the relevant determination period), the VWAP of a Common Share on such date(s) shall be the fair market value as determined reasonably and in good faith by a majority of the disinterested independent directors of the Board. All such determinations shall be appropriately adjusted for any stock dividend, stock split, stock combination, recapitalization or other similar transaction during such period.

BY ACCEPTING THIS RSU AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan
Notice of Restricted Stock Unit Award**

You have been granted Restricted Stock Units (“**RSUs**”), each representing the right to receive one Common Share of Shapeways Holdings, Inc. (the “**Company**”), on the following terms:

ted: «Name»
 «TotalRSUs»
 «DateGrant»
 The RSUs are fully vested as of the Date of Grant.

You and the Company agree that these RSUs are granted under and governed by the terms and conditions of the Company’s 2021 Equity Incentive Plan (the “**Plan**”) and the Restricted Stock Unit Agreement (including, if applicable, the Appendix for Non-U.S. Participants), both of which are attached to, and made a part of, this document. Capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the Plan or the Restricted Stock Unit Agreement, as applicable.

The Company may, in its sole discretion, decide to deliver any documents related to RSUs or the Plan, and all documents that the Company is required to deliver to shareholders (including annual reports and proxy statements), by email or other electronic means (including posting them on a website maintained by the Company or a third party under contract with the Company). You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through any online or electronic system established and maintained by the Company or another third party designated by the Company. You acknowledge that you may incur costs in connection with any such delivery by means of electronic transmission, including the cost of accessing the Internet and printing fees, and that an interruption of Internet access may interfere with your ability to access the documents.

You further agree to comply with the Company’s *Insider Trading Policy*, as in effect from time to time, when selling common shares.

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan**

Restricted Stock Unit Agreement

1. Grant of RSUs

Subject to all of the terms and conditions set forth in the Shapeways Holdings, Inc. 2021 Equity Incentive Plan (the “**Plan**”), the Notice of Restricted Stock Unit Award (the “**Grant Notice**”), and this Restricted Stock Unit Agreement (the “**Agreement**”), the Company has granted to you the number of RSUs set forth in the Grant Notice.

All capitalized terms used in this Agreement shall have the meanings assigned to them in this Agreement, the Grant Notice or the Plan, as applicable.

2. Nature of RSUs

Your RSUs are bookkeeping entries. They represent only the Company’s unfunded and unsecured promise to issue Common Shares on a future date, subject to the terms and conditions of this Agreement, the Grant Notice and the Plan. As a holder of RSUs, you have no rights other than the rights of a general creditor of the Company.

3. Vested Status

The RSUs are fully vested as of the Date of Grant.

4. Settlement of RSUs

(a) Each vested RSU shall be settled no later than the 74th day following the Date of Grant, and in any event within the “short-term deferral period” as defined under Code Section 409A. In no event will you be permitted, directly or indirectly, to specify the taxable year of settlement of any RSUs subject to this award.

(b) At the time of settlement, you will receive one Common Share for each vested RSU (plus payment of any dividend equivalents pursuant to Section 6).

5. Section 409A

These RSUs are intended to be exempt from the application of Code Section 409A pursuant to the “short-term deferral” exemption under Treasury Regulation Section 1.409A-1(b)(4), and this Agreement and the Grant Notice shall be administered and interpreted in a manner that complies with such exemption.

6. No Voting Rights; Dividend Equivalents

Your RSUs carry neither voting rights nor rights to cash dividends. You have no rights as a stockholder of the Company unless and until your RSUs are settled by issuing Common Shares. Each of your RSUs shall be credited with dividend equivalents, which shall be withheld by the Company for your account. Dividend equivalents credited to your account and attributable to an RSU shall be distributed (without interest) to you at the same time as the underlying Common Share is delivered upon settlement of such RSU. Dividend equivalents may be payable, in the discretion of the Company, (x) in cash, (y) in Common Shares with a Fair Market Value as of the date the RSUs are settled equal to the dividend equivalents, or (z) in an adjustment to the underlying number of Common Shares subject to the RSUs.

7. RSUs Nontransferable

The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered (a “**Transfer**”) by you other than by will or by the laws of descent and distribution, to your family members, a trust or entity established by you for estate planning purposes, a charitable organization designated by you, pursuant to a qualified domestic relations order or as otherwise permitted under the Plan; provided, that in case of any such permitted transfer, (i) the clawback provisions shall continue to relate to your Service and any termination thereof and (ii) such transfer shall be subject to such advance notice and other rules and requirements as determined by the Administrator in its sole discretion. Any attempted Transfer of the RSUs contrary to the provisions hereof, and the levy of any execution, attachment or similar process upon the RSUs, shall be null and void and without effect. In addition, regardless of any marital property settlement agreement, the Company is not obligated to recognize your former spouse’s interest in your RSUs in any way.

8. Beneficiary Designation

You may dispose of your RSUs in a written beneficiary designation if authorized by the Company and to the extent such beneficiary designation is valid under applicable law. Any beneficiary designation must be filed with the Company on the proper form. It will be recognized only if it has been received at the Company’s headquarters before your death. If you do not file any beneficiary designation or if none of your designated beneficiaries survives you, then your estate will receive any vested RSUs that you hold at the time of your death.

9. Withholding Taxes

(a) Regardless of any action the Company (or, if applicable, the Parent, Subsidiary or Affiliate employing or retaining you (the “**Employer**”)) takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related items related to the participation in the Plan and legally applicable to you (“**Tax-Related Items**”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company and/or the Employer. You further acknowledge that the Company and the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant or vested status of the RSUs, the issuance of Common Shares in respect of the RSUs, the subsequent sale of Common Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (2) do not commit to and are under no obligation to structure the terms of the RSUs or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

(b) No Common Shares will be distributed to you pursuant to the RSUs unless you have made arrangements satisfactory to the Company and/or the Employer for the payment of any Tax-Related Items that the Company and/or the Employer determine must be withheld. In this regard, you authorize the Company to satisfy your Tax-Related Items by one or a combination of the following, as determined by the Administrator.

- Withholding the amount of any Tax-Related Items from your wages or other cash compensation paid to you by the Company and/or the Employer;
 - Instructing a brokerage firm selected by the Company for this purpose to sell on your behalf a number of whole shares of Company stock to be issued to you when the RSUs are settled that the Company determines are appropriate to generate cash proceeds sufficient to satisfy the Tax-Related Items. You acknowledge that the Company or its designee is under no obligation to arrange for such sale at any particular price. Regardless of whether the Company arranges for such sale, you will be responsible for all fees and other costs of sale, and you agree to indemnify and hold the Company harmless from any losses, costs, damages or expenses relating to any such sale;
 - Withholding Common Shares that would otherwise be issued to you when the RSUs are settled equal in value to the Tax-Related Items. The fair market value of the withheld Common Shares, determined as of the date when taxes otherwise would have been withheld in cash, will be applied to the Tax-Related Items; or
 - Any other means approved by the Administrator.
-

(c) You agree to pay to the Company in cash any amount of Tax-Related Items that the Company does not elect to satisfy by the means described above. To the extent you fail to make satisfactory arrangements for the payment of any required withholding taxes, you will permanently forfeit the applicable RSUs (and related underlying Common Shares and any related dividend equivalents).

10. Restrictions on Issuance

(a) The Company will not issue any Common Shares to you if the issuance of Common Shares at that time would violate any law or regulation.

(b) Notwithstanding any other provision in the Plan, the Grant Notice or this Agreement, unless there is an available exemption from registration, qualification or other legal requirement applicable to the Common Shares, the Company shall not be required to issue any Common Shares to you prior to the completion of any registration or qualification of the Common Shares under any federal, state, local or foreign securities law or under rulings or regulations of the Securities and Exchange Commission (“SEC”) or of any other governmental body, or prior to obtaining any approval or other clearance from any federal, state, local or foreign governmental agency, which registration, qualification or approval the Company shall, in its absolute discretion, deem necessary or advisable. You understand that the Company is under no obligation to register or qualify the Company’s shares with the SEC or any state securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the shares.

11. Restrictions on Resale

You agree not to sell any shares at a time when applicable laws, Company policies or an agreement between the Company and its underwriters prohibit a sale. This restriction will apply as long as your Service continues and for such period of time after the termination of your Service as the Company may specify.

12. No Retention Rights

Neither your award nor any documentation related thereto (including this Agreement, the Grant Notice and the Plan) gives you the right to be retained by the Company, a Parent, a Subsidiary or an Affiliate in any capacity. The Company and its Parents, Subsidiaries and Affiliates reserve the right to terminate your Service at any time, with or without cause.

13. Adjustments

In the event of a stock split, stock dividend, reorganization and recapitalization or a similar change in Company stock, the number of your RSUs will be adjusted pursuant to the Plan.

14. Effect of Significant Corporate Transactions

If the Company is a party to a merger, consolidation, or certain change in control transactions, then your RSUs will be subject to the applicable provisions of Article 9 of the Plan, provided that any action taken must either (a) preserve the exemption of your RSUs from Code Section 409A or (b) comply with Code Section 409A.

15. No Fractional Shares

No fractional Common Shares will be issued upon settlement. In lieu of issuing a fractional Common Share resulting from an adjustment of the RSUs pursuant to the Plan or otherwise, the Company shall be entitled to pay to you a cash amount equal to the Fair Market Value of such fractional Common Share.

16. Recoupment Policy

This award, and the Common Shares acquired upon settlement of this award, shall be subject to recoupment or clawback under any Company policy in effect from time to time, or to the extent required by applicable law in effect at the relevant time (including, without limitation, Section 304 of the Sarbanes-Oxley Act and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act) and/or the rules and regulations of any applicable securities exchange or inter-dealer quotation system on which the Common Shares may be listed or quoted.

17. Amendment and Waiver

(a) The Administrator, at any time, and from time to time, may amend the terms of the Grant Notice or this Agreement; provided, however, that your rights shall not be materially and adversely affected without your written consent.

(b) Any right of the Company contained in the Grant Notice or this Agreement may be waived in writing by the Administrator. No waiver of any right hereunder by any party shall operate as a waiver of any other right, or as a waiver of the same right with respect to any subsequent occasion for its exercise, or as a waiver of any right to damages. No waiver by any party of any breach of the Grant Notice or this Agreement shall be held to constitute a waiver of any other breach or a waiver of the continuation of the same breach.

18. Applicable Law; Consent to Jurisdiction; Waiver of Jury Trial

This Agreement and the Grant Notice will be interpreted and enforced under the laws of the State of Delaware without regard to its choice-of-law provisions or principles of conflicts of laws of any other jurisdiction which could cause the application of the laws of any jurisdiction other than the State of Delaware.

You and the Company (on behalf of itself and its Affiliates) each consents to jurisdiction in a Delaware state or a federal court sitting in Wilmington, Delaware, and each waives any other requirement (whether imposed by statute, rule of court or otherwise) with respect to personal jurisdiction or service of process and waives any objection to jurisdiction based on improper venue or improper jurisdiction. EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY, IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THE PLAN, THE GRANT NOTICE OR THIS AGREEMENT.

19. Successors; Interpretation

The terms of the Grant Notice and this Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, and of you and your beneficiaries, executors, administrators, heirs and successors. The invalidity or unenforceability of any provision of this Agreement (or the Grant Notice, as applicable) shall not affect the validity or enforceability of any other provision of this Agreement (or the Grant Notice, as applicable), and each other provision of this Agreement (or the Grant Notice, as applicable) shall be severable and enforceable to the extent permitted by law. The headings of the sections hereof are provided for convenience only and are not to serve as a basis for interpretation or construction, and shall not constitute a part, of the Grant Notice or this Agreement. Pronouns and other words of gender shall be read as gender-neutral. Words importing the plural shall include the singular and the singular shall include the plural. Each of the Grant Notice and this Agreement may be entered into in counterparts.

- 20. The Plan and Other Agreements** (a) The text of the Plan is incorporated in this Agreement by reference. The Administrator shall have final authority to interpret and construe the Plan, the Grant Notice and this Agreement and to make any and all determinations under them, and its decision shall be binding and conclusive upon you and all other persons in respect of any questions arising under the Plan, the Grant Notice or this Agreement.
- (b) The Plan, this Agreement (including, if applicable, any Appendix for Non-U.S. Participants) and the Grant Notice constitute the entire understanding between you and the Company regarding this award. Any prior agreements, commitments or negotiations concerning this award are superseded.
- (c) Notwithstanding any provisions in the Grant Notice or this Agreement, if you are located outside of the United States, the RSUs shall be subject to any special terms, conditions or notifications for your country set forth in the attached Appendix for Non-U.S. Participants, which shall constitute part of this Agreement. Moreover, if you relocate to one of the countries included in such Appendix, the special terms and conditions for such country will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable in order to comply with local law or facilitate the administration of the Plan.

BY ACCEPTING THIS RSU AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

Shapeways Holdings, Inc.
2021 Equity Incentive Plan
Notice of Restricted Stock Unit Award

You have been granted Restricted Stock Units (“RSUs”), each representing the right to receive one Common Share of Shapeways Holdings, Inc. (the “Company”), on the following terms:

Name of Recipient:	«Name»
Total Number of RSUs Granted:	«TotalRSUs»
Date of Grant:	«DateGrant»
Vesting Commencement Date:	«VestCommDate»
Expiration Date:	«ExpirationDate»
Vesting Schedule:	You will receive a benefit with respect to an RSU only if it vests. Two vesting requirements must be satisfied on or before the Award Forfeiture Date in order for an RSU to vest: (i) a time-based service requirement (the “ Time-Based Vesting Requirement ”) and (ii) a requirement that the Company satisfy one or more performance goals (the “ Performance-Based Vesting Requirement ”, as described on <u>Exhibit A</u> attached hereto). An RSU will not vest (in whole or in part) if only one (or if neither) of such requirements applicable to it is satisfied on or before the Award Forfeiture Date or if the Performance-Based Vesting Requirement is not satisfied prior to or in connection with a Change in Control. The “ Vesting Date ” of an outstanding RSU will be the first date upon which both the Time-Based Vesting Requirement and the Performance-Based Vesting Requirement are satisfied with respect to that particular RSU.
Time-Based Vesting Requirement:	The Time-Based Vesting Requirement will be satisfied in six (6) installments (each installment, a “ Tranche ”) as to the RSUs as follows: 1/6 th of the RSUs subject to this award will vest on each anniversary of the Vesting Commencement Date , in each case, subject to your continuous service as an Employee or Consultant (“ Service ”) through each such date.
Performance-Based Vesting Requirement:	The Performance-Based Vesting Requirement will be satisfied as described on <u>Exhibit A</u> ; <i>provided</i> that such achievement must occur prior to termination of your Service for any reason. In addition, any RSUs to which the Performance-Based Vesting Requirement is not satisfied as of a Change in Control, as described on <u>Exhibit A</u> , shall be forfeited as of the Change in Control.

You and the Company agree that these RSUs are granted under and governed by the terms and conditions of the Company’s 2021 Equity Incentive Plan (the “**Plan**”), the Restricted Stock Unit Agreement, and Exhibit A, all of which are attached to, and made a part of, this document.

Capitalized terms not otherwise defined herein shall have the meanings assigned to such terms in the Plan or the Restricted Stock Unit Agreement, as applicable.

The Company may, in its sole discretion, decide to deliver any documents related to RSUs or the Plan, and all documents that the Company is required to deliver to shareholders (including annual reports and proxy statements), by email or other electronic means (including posting them on a website maintained by the Company or a third party under contract with the Company). You hereby consent to receive such documents by electronic delivery and agree to participate in the Plan through any online or electronic system established and maintained by the Company or another third party designated by the Company. You acknowledge that you may incur costs in connection with any such delivery by means of electronic transmission, including the cost of accessing the Internet and printing fees, and that an interruption of Internet access may interfere with your ability to access the documents.

You further agree to comply with the Company's *Insider Trading Policy*, as in effect from time to time, when selling common shares.

Exhibit A

Criteria for Satisfaction of Performance-Based Vesting Requirement

Stock Price Goal Requirement:

1. The Performance-Based Vesting Requirement shall be deemed satisfied with respect to one-sixth of each Tranche on the first date on which the 60-Day VWAP is equal to or exceeds each of the following: \$5, \$8, \$12, \$14, \$15 and \$16 (each, a “**Stock Price Goal**”).
 2. “**60-Day VWAP**” shall mean the average of the volume weighted average price per Common Share during any sixty (60) consecutive trading days.
 3. Once the applicable Stock Price Goal has been achieved, the Performance-Based Vesting Requirement will be deemed satisfied with respect to the applicable RSUs regardless of whether the 60-Day VWAP of a Common Share declines following such achievement.
 4. If the Company is subject to a Change in Control, the satisfaction of the Performance-Based Vesting Requirements will instead be determined based on the transaction price of Common Shares in connection with Change in Control, as determined in good faith by the Administrator. All RSUs that have not met the applicable Performance-Based Vesting Requirement prior to or in connection with a Change in Control will be forfeited as of the Change in Control. Any RSUs to which the Performance-Based Vesting Requirement is satisfied in connection with the Change in Control will continue to be subject to the Time-Based Vesting Requirement as applicable.
 5. Once each of the Stock Price Goals have been achieved, any applicable RSUs that have satisfied the Time-Based Vesting Requirement will be settled in accordance with the terms of the Restricted Stock Unit Agreement and the remaining RSUs will continue to be subject to applicable Time-Based Vesting Requirement.
 6. The Stock Price Goal may be achieved at any time prior to or in connection with the earlier of the Award Forfeiture Date and a Change in Control.
-

**Shapeways Holdings, Inc.
2021 Equity Incentive Plan**

Restricted Stock Unit Agreement (Performance-Based Vesting)

Grant of RSUs

Subject to all of the terms and conditions set forth in the Shapeways Holdings, Inc. 2021 Equity Incentive Plan (the “**Plan**”), the Notice of Restricted Stock Unit Award (the “**Grant Notice**”), and this Restricted Stock Unit Agreement (the “**Agreement**”), the Company has granted to you the number of RSUs set forth in the Grant Notice.

All capitalized terms used in this Agreement shall have the meanings assigned to them in this Agreement, the Grant Notice or the Plan, as applicable.

Nature of RSUs

Your RSUs are bookkeeping entries. They represent only the Company’s unfunded and unsecured promise to issue Common Shares on a future date, subject to the terms and conditions of this Agreement, the Grant Notice and the Plan. As a holder of RSUs, you have no rights other than the rights of a general creditor of the Company.

Payment for RSUs

No payment is required for the RSUs that you are receiving.

Vesting

The RSUs vest in accordance with the vesting schedule set forth in the Grant Notice.

Service/Termination of Service

In no event will any additional RSUs vest after your Service has terminated for any reason unless expressly provided in a written agreement between you and the Company.

The Company determines whether and when your Service terminates for all purposes of your RSUs.

If your Service terminates for any reason, then your RSUs will be forfeited to the extent that they have not vested before the termination date and do not vest as a result of the termination of your Service. Any outstanding RSUs will be subject to any vesting acceleration benefits you may be entitled to under any other agreement between you and the Company. You will receive no payment for RSUs that are forfeited.

Expiration of RSUs

If both the Time-Based Vesting Requirement and the Performance-Based Vesting Requirement with respect to an applicable RSU are not satisfied on or before the earlier of (i) the Expiration Date set forth in the Notice of Restricted Stock Unit Award, and (ii) the date on which your Service terminates for any reason, such RSU shall automatically terminate and be cancelled upon such date. The date determined in the preceding sentence is referred to as the “**Award Forfeiture Date**.”

In addition, any RSUs to which the Performance-Based Vesting Requirement is not satisfied in connection with the Change in Control shall automatically terminate and be cancelled upon the date of the Change in Control.

Upon a termination of one or more RSUs pursuant to this paragraph, you will have no further right with respect to such RSUs or the Common Shares previously allocated thereto.

Leaves of Absence and Part-Time Work

For purposes of this award, your Service does not terminate when you go on a military leave, a sick leave or another *bona fide* leave of absence, if the leave was approved by the Company in writing. However, except as otherwise determined by the Company, your Service terminates when the approved leave ends, unless you immediately return to active work.

If you go on an unpaid leave of absence that lasts more than thirty days, then, to the extent permitted by applicable law, the Time-Based Vesting Requirement specified in the Grant Notice will be suspended on the thirty-first day of such unpaid leave, and this award will not vest with respect to any additional RSUs that have not satisfied the Time-Based Vesting Requirement during the remainder of such leave. Vesting under the Time-Based Vesting Requirement will resume when you return to active Service. If you go on a paid leave of absence, the Time-Based Vesting Requirement specified in the Grant Notice may be suspended and/or adjusted in accordance with the Company's leave of absence policy or the terms of your leave.

If you commence working on a part-time basis, the Company may adjust the Time-Based Vesting Requirement so that the rate of vesting is commensurate with your reduced work schedule.

Settlement of RSUs

Each RSU will be settled as soon as practicable on or following the applicable Vesting Date, and in any event within the "short-term deferral period" as defined under Code Section 409A. At the Administrator's discretion, settlement may occur on fixed dates established by the Administrator for settlement of RSUs. In no event will you be permitted, directly or indirectly, to specify the taxable year of settlement of any RSUs subject to this award.

At the time of settlement, you will receive one Common Share for each vested RSU (plus payment of any dividend equivalents).

Section 409A

Settlement of these RSUs is intended to be exempt from the application of Code Section 409A pursuant to the "short-term deferral" exemption under Treasury Regulation Section 1.409A-1(b)(4), and this Agreement and the Grant Notice shall be administered and interpreted in a manner that complies with such exemption.

Notwithstanding the foregoing, if it is determined that settlement of these RSUs is not exempt from Code Section 409A and the Company determines that you are a "specified employee," as defined in the regulations under Code Section 409A at the time of your "separation from service," as defined in Treasury Regulation Section 1.409A-1(h), then this paragraph will apply. If this paragraph applies, and the event triggering settlement is your "separation from service," then any RSUs that otherwise would have been settled during the first six months following your "separation from service" will instead be settled on the first business day following the earlier of (i) the six-month anniversary of your separation from service or (ii) your death.

Each installment of RSUs that vests is hereby designated as a separate payment for purposes of Code Section 409A.

No Voting Rights; Dividend Equivalents Your RSUs carry neither voting rights nor rights to cash dividends. You have no rights as a stockholder of the Company unless and until your RSUs are settled by issuing Common Shares. Each of your RSUs shall be credited with dividend equivalents, which shall be withheld by the Company for your account. Dividend equivalents credited to your account and attributable to an RSU shall be distributed (without interest) to you at the same time as the underlying Common Share is delivered upon settlement of such RSU and if such RSU is forfeited, you shall have no right to such dividend equivalents. Dividend equivalents may be payable, in the discretion of the Company, (x) in cash, (y) in Common Shares with a Fair Market Value as of the date the RSUs are settled equal to the dividend equivalents, or (z) in an adjustment to the underlying number of Common Shares subject to the RSUs.

RSUs Nontransferable The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered (a “**Transfer**”) by you other than by will or by the laws of descent and distribution, to your family members, a trust or entity established by you for estate planning purposes, a charitable organization designated by you, pursuant to a qualified domestic relations order or as otherwise permitted under the Plan; provided, that in case of any such permitted transfer, (i) the vesting, forfeiture and clawback provisions shall continue to relate to your Service and any termination thereof and (ii) such transfer shall be subject to such advance notice and other rules and requirements as determined by the Administrator in its sole discretion. Any attempted Transfer of the RSUs contrary to the provisions hereof, and the levy of any execution, attachment or similar process upon the RSUs, shall be null and void and without effect. In addition, regardless of any marital property settlement agreement, the Company is not obligated to recognize your former spouse’s interest in your RSUs in any way.

Beneficiary Designation You may dispose of your RSUs in a written beneficiary designation if authorized by the Company and to the extent such beneficiary designation is valid under applicable law. Any beneficiary designation must be filed with the Company on the proper form. It will be recognized only if it has been received at the Company’s headquarters before your death. If you do not file any beneficiary designation or if none of your designated beneficiaries survives you, then your estate will receive any vested RSUs that you hold at the time of your death.

Withholding Taxes

Regardless of any action the Company (or, if applicable, the Parent, Subsidiary or Affiliate employing or retaining you (the “**Employer**”)) takes with respect to any or all income tax, social insurance, payroll tax, payment on account or other tax-related items related to the participation in the Plan and legally applicable to you (“**Tax-Related Items**”), you acknowledge that the ultimate liability for all Tax-Related Items is and remains your responsibility and may exceed the amount actually withheld by the Company and/or the Employer. You further acknowledge that the Company and the Employer (1) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the RSUs, including, but not limited to, the grant or vesting of the RSUs, the issuance of Common Shares upon vesting of the RSUs, the subsequent sale of Common Shares acquired pursuant to such issuance and the receipt of any dividends and/or any dividend equivalents; and (2) do not commit to and are under no obligation to structure the terms of the RSUs or any aspect of the RSUs to reduce or eliminate your liability for Tax-Related Items or achieve any particular tax result. Further, if you are subject to tax in more than one jurisdiction, you acknowledge that the Company and/or the Employer may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

No Common Shares will be distributed to you pursuant to the RSUs unless you have made arrangements satisfactory to the Company and/or the Employer for the payment of any Tax-Related Items that the Company and/or the Employer determine must be withheld. In this regard, you authorize the Company to satisfy your Tax-Related Items by one or a combination of the following, as determined by the Administrator.

- Withholding the amount of any Tax-Related Items from your wages or other cash compensation paid to you by the Company and/or the Employer;
- Instructing a brokerage firm selected by the Company for this purpose to sell on your behalf a number of whole shares of Company stock to be issued to you when the RSUs are settled that the Company determines are appropriate to generate cash proceeds sufficient to satisfy the Tax-Related Items. This method of satisfying your Tax-Related Items is referred to as “sale-to-cover”. You acknowledge that the Company or its designee is under no obligation to arrange for such sale at any particular price. Regardless of whether the Company arranges for such sale, you will be responsible for all fees and other costs of sale, and you agree to indemnify and hold the Company harmless from any losses, costs, damages or expenses relating to any such sale;
- Withholding Common Shares that would otherwise be issued to you when the RSUs are settled equal in value to the Tax-Related Items. The fair market value of the withheld Common Shares, determined as of the date when taxes otherwise would have been withheld in cash, will be applied to the Tax-Related Items; or
- Any other means approved by the Administrator.

To the extent the Administrator elects to satisfy the Tax-Related Items by means of sale-to-cover, you hereby authorize the Company to instruct the broker whom it has selected for this purpose to sell a number of Common Shares to be issued upon settlement of your RSUs necessary to satisfy the Tax-Related Items.

You agree to pay to the Company in cash any amount of Tax-Related Items that the Company does not elect to satisfy by the means described above. To the extent you fail to make satisfactory arrangements for the payment of any required withholding taxes, you will permanently forfeit the applicable RSUs (and related underlying Common Shares and any related dividend equivalents).

Restrictions on Issuance	<p>The Company will not issue any Common Shares to you if the issuance of Common Shares at that time would violate any law or regulation.</p> <p>Notwithstanding any other provision in the Plan, the Grant Notice or this Agreement, unless there is an available exemption from registration, qualification or other legal requirement applicable to the Common Shares, the Company shall not be required to issue any Common Shares to you prior to the completion of any registration or qualification of the Common Shares under any federal, state, local or foreign securities law or under rulings or regulations of the Securities and Exchange Commission (“SEC”) or of any other governmental body, or prior to obtaining any approval or other clearance from any federal, state, local or foreign governmental agency, which registration, qualification or approval the Company shall, in its absolute discretion, deem necessary or advisable. You understand that the Company is under no obligation to register or qualify the Company’s shares with the SEC or any state securities commission or to seek approval or clearance from any governmental authority for the issuance or sale of the shares.</p>
Restrictions on Resale	<p>You agree not to sell any shares at a time when applicable laws, Company policies or an agreement between the Company and its underwriters prohibit a sale. This restriction will apply as long as your Service continues and for such period of time after the termination of your Service as the Company may specify.</p>
No Retention Rights	<p>Neither your award nor any documentation related thereto (including this Agreement, the Grant Notice and the Plan) gives you the right to be retained by the Company, a Parent, a Subsidiary or an Affiliate in any capacity. The Company and its Parents, Subsidiaries and Affiliates reserve the right to terminate your Service at any time, with or without cause.</p>
Adjustments	<p>In the event of a stock split, stock dividend, reorganization and recapitalization or a similar change in Company stock, the number of your RSUs will be adjusted pursuant to the Plan and the Performance-Based Vesting Requirement will be equitably adjusted by the Administrator in its sole discretion.</p>
Effect of Significant Corporate Transactions	<p>If the Company is a party to a merger, consolidation, or certain change in control transactions, then your RSUs will be subject to the applicable provisions of Article 9 of the Plan, <u>provided</u> that any action taken must either (a) preserve the exemption of your RSUs from Code Section 409A or (b) comply with Code Section 409A.</p>
No Fractional Shares	<p>No fractional Common Shares will be issued upon settlement. In lieu of issuing a fractional Common Share resulting from an adjustment of the RSUs pursuant to the Plan or otherwise, the Company shall be entitled to pay to you a cash amount equal to the Fair Market Value of such fractional Common Share.</p>

Recoupment Policy

This award, and the Common Shares acquired upon settlement of this award, shall be subject to recoupment or clawback under any Company policy in effect from time to time, or to the extent required by applicable law in effect at the relevant time (including, without limitation, Section 304 of the Sarbanes-Oxley Act and Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act) and/or the rules and regulations of any applicable securities exchange or inter-dealer quotation system on which the Common Shares may be listed or quoted.

Amendment and Waiver

The Administrator, at any time, and from time to time, may amend the terms of the Grant Notice or this Agreement; provided, however, that your rights shall not be materially and adversely affected without your written consent.

Any right of the Company contained in the Grant Notice or this Agreement may be waived in writing by the Administrator. No waiver of any right hereunder by any party shall operate as a waiver of any other right, or as a waiver of the same right with respect to any subsequent occasion for its exercise, or as a waiver of any right to damages. No waiver by any party of any breach of the Grant Notice or this Agreement shall be held to constitute a waiver of any other breach or a waiver of the continuation of the same breach.

Applicable Law; Consent to Jurisdiction; Waiver of Jury Trial

This Agreement and the Grant Notice will be interpreted and enforced under the laws of the State of Delaware without regard to its choice-of-law provisions or principles of conflicts of laws of any other jurisdiction which could cause the application of the laws of any jurisdiction other than the State of Delaware.

You and the Company (on behalf of itself and its Affiliates) each consents to jurisdiction in a Delaware state or a federal court sitting in Wilmington, Delaware, and each waives any other requirement (whether imposed by statute, rule of court or otherwise) with respect to personal jurisdiction or service of process and waives any objection to jurisdiction based on improper venue or improper jurisdiction.

EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY, IN ANY ACTION, PROCEEDING OR COUNTERCLAIM ARISING OUT OF OR RELATING TO THE PLAN, THE GRANT NOTICE OR THIS AGREEMENT.

Successors; Interpretation

The terms of the Grant Notice and this Agreement shall be binding upon and inure to the benefit of the Company and its successors and assigns, and of you and your beneficiaries, executors, administrators, heirs and successors. The invalidity or unenforceability of any provision of this Agreement (or the Grant Notice, as applicable) shall not affect the validity or enforceability of any other provision of this Agreement (or the Grant Notice, as applicable), and each other provision of this Agreement (or the Grant Notice, as applicable) shall be severable and enforceable to the extent permitted by law. The headings of the sections hereof are provided for convenience only and are not to serve as a basis for interpretation or construction, and shall not constitute a part, of the Grant Notice or this Agreement. Pronouns and other words of gender shall be read as gender-neutral. Words importing the plural shall include the singular and the singular shall include the plural. Each of the Grant Notice and this Agreement may be entered into in counterparts.

The Plan and Other Agreements

The text of the Plan is incorporated in this Agreement by reference. The Administrator shall have final authority to interpret and construe the Plan, the Grant Notice and this Agreement and to make any and all determinations under them, and its decision shall be binding and conclusive upon you and all other persons in respect of any questions arising under the Plan, the Grant Notice or this Agreement.

The Plan, this Agreement and the Grant Notice constitute the entire understanding between you and the Company regarding this award. Any prior agreements, commitments or negotiations concerning this award are superseded.

Notwithstanding any provisions in the Grant Notice or this Agreement, if you are located outside of the United States, the RSUs shall be subject to any special terms, conditions or notifications for your country. Moreover, if you relocate to another country, any special terms and conditions for such country will apply to you, to the extent the Company determines that the application of such terms and conditions is necessary or advisable in order to comply with local law or facilitate the administration of the Plan.

BY ACCEPTING THIS RSU AWARD, YOU AGREE TO ALL OF THE TERMS AND CONDITIONS DESCRIBED ABOVE AND IN THE PLAN.

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO RULE 13a-14(a) AND 15d-14(a),
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Greg Kress, Chief Executive Officer of Shapeways Holdings, Inc., certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Shapeways Holdings, Inc. (the "Registrant");
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this Quarterly Report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, and cash flows of the Registrant as of, and for, the periods presented in this Quarterly Report;
4. The Registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the Registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Registrant is made known to us by others within those entities, particularly during the period in which this Quarterly Report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the Registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the Registrant's internal control over financial reporting that occurred during the Registrant's most recent fiscal quarter (the Registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Registrant's internal control over financial reporting; and
5. The Registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Registrant's auditors and the audit committee of the Registrant's board of directors (or persons performing equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the Registrant's internal control over financial reporting.

Shapeways Holdings, Inc.

Dated: November 14, 2022

By: /s/ Greg Kress
Greg Kress
Chief Executive Officer and Director
(Principal Executive Officer)

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO RULE 13a-14(a) AND 15d-14(a),
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Alberto Recchi, Chief Financial Officer of Shapeways Holdings, Inc., certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Shapeways Holdings, Inc. (the "Registrant");
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this Quarterly Report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, and cash flows of the Registrant as of, and for, the periods presented in this Quarterly Report;
4. The Registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the Registrant and have:
 - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the Registrant is made known to us by others within those entities, particularly during the period in which this Quarterly Report is being prepared;
 - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c. Evaluated the effectiveness of the Registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d. Disclosed in this report any change in the Registrant's internal control over financial reporting that occurred during the Registrant's most recent fiscal quarter (the Registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the Registrant's internal control over financial reporting; and
5. The Registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the Registrant's auditors and the audit committee of the Registrant's board of directors (or persons performing equivalent functions):
 - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the Registrant's ability to record, process, summarize and report financial information; and
 - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the Registrant's internal control over financial reporting.

Shapeways Holdings, Inc.

Dated: November 14, 2022

By: /s/ Alberto Recchi

Alberto Recchi

Chief Financial Officer

(Principal Financial and Accounting Officer)

CERTIFICATION OF THE CHIEF EXECUTIVE OFFICER
PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the filing of the Quarterly Report on Form 10-Q for the period ended September 30, 2022 (the "Report") by Shapeways Holdings, Inc. (the "Registrant"), I, Greg Kress as Chief Executive Officer of the Registrant hereby certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge:

1. the Report fully complies with the requirements of Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934, as amended; and
2. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Registrant.

Shapeways Holdings, Inc.

Dated: November 14, 2022

By: /s/ Greg Kress

Greg Kress

Chief Executive Officer and Director

(Principal Executive Officer)

CERTIFICATION OF THE CHIEF FINANCIAL OFFICER
PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the filing of the Quarterly Report on Form 10-Q for the period ended September 30, 2022 (the "Report") by Shapeways Holdings, Inc. (the "Registrant"), I, Alberto Recchi as Chief Financial Officer of the Registrant hereby certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to the best of my knowledge:

1. the Report fully complies with the requirements of Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934, as amended; and
2. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Registrant.

Shapeways Holdings, Inc.

Dated: November 14, 2022

By: /s/ Alberto Recchi

Alberto Recchi

Chief Financial Officer

(Principal Financial and Accounting Officer)