# **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

	FORM 10-Q	
(Mark One)	_	
QUARTERLY REPORT PURSUANT TO SE For the quarterly period ended March 31, 202		EXCHANGE ACT OF 1934
or		
TRANSITION REPORT PURSUANT TO SE For the transition period from to		EXCHANGE ACT OF 1934
	Commission File Number: 001-55455	
(I	<b>Proto Labs, Inc.</b> Exact name of registrant as specified in its charte	er)
Minnesota		41-1939628
(State or other jurisdiction of incorporation of	r organization) (I.	R.S. Employer Identification No.)
5540 Pioneer Creek Drive Maple Plain, Minnesota (Address of principal executive off	ices)	<b>55359</b> (Zip Code)
(R	(763) 479-3680 egistrant's telephone number, including area co	de)
(Former name, fo	<b>Not Applicable</b> ormer address and former fiscal year, if changed	since last report)
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 \$0.001 Per Share	PRLB	New York Stock Exchange
of 1934 during the preceding 12 months (or for such filing requirements for the past 90 days. $\square$ Yes $\square$ No	shorter period that the registrant was required to	
Indicate by check mark whether the registran 405 of Regulation S-T during the preceding 12 mon		Data File required to be submitted pursuant to Rule was required to submit such files). ☑Yes ☐No
Indicate by check mark whether the registran company, or an emerging growth company. See the "emerging growth company" in Rule 12b-2 of the E		a non-accelerated filer, a smaller reporting ated filer," "smaller reporting company," and
Large accelerated filer   Non-accelerated filer	Acceler	ated filer $\square$
Smaller reporting company □	Emergi	ng growth company $\square$
If an emerging growth company, indicate by any new or revised financial accounting standards p	<u> </u>	se the extended transition period for complying with ge Act. $\Box$
Indicate by check mark whether the registran	is a shell company (as defined in Rule 12b-2 o	f the Exchange Act). □Yes ☑No
Indicate the number of shares outstanding of Common Stock, par value \$0.001 per share, were or		s of the latest practicable date: 26,202,723 shares of

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# PART I. FINANCIAL INFORMATION

# **Item 1. Financial Statements**

# Proto Labs, Inc. Consolidated Balance Sheets (In thousands, except share and per share amounts)

	M	arch 31, 2023	Dec	cember 31, 2022
	(Uı	naudited)		
Assets				
Current assets				
Cash and cash equivalents	\$	62,051	\$	56,558
Short-term marketable securities		22,851		23,568
Accounts receivable, net of allowance for doubtful accounts of \$1,932 and \$1,706 as of March 31, 2023, and				
December 31, 2022, respectively		77,619		76,225
Inventory		14,273		13,578
Income taxes receivable		821		4,042
Prepaid expenses and other current assets		11,101		12,597
Total current assets		188,716		186,568
Property and equipment, net		253,616		257,785
Goodwill		273,991		273,991
Other intangible assets, net		29,869		31,250
Long-term marketable securities		19,824		26,419
Operating lease assets		3,315		3,844
Finance lease assets		17,266		17,532
Other long-term assets		4,776		4,779
· ·	\$	791,373	\$	802,168
Total assets	Ψ	731,373	Ψ	002,100
Liabilities and shareholders' equity				
Current liabilities	_		_	
Accounts payable	\$	19,854	\$	17,356
Accrued compensation		14,695		12,743
Accrued liabilities and other		23,156		22,384
Current operating lease liabilities		1,295		1,561
Current finance lease liabilities		17,452		17,537
Income taxes payable		1,928		-
Total current liabilities		78,380		71,581
Long-term operating lease liabilities		1,983		2,255
Long-term deferred tax liabilities		23,258		26,322
Other long-term liabilities		4,615		4,362
Total liabilities		108,236		104,520
		,		, , , ,
Shareholders' equity				
Preferred stock, \$0.001 par value, authorized 10,000,000 shares; issued and outstanding 0 shares as of each of				
March 31, 2023, and December 31, 2022		_		_
Common stock, \$0.001 par value, authorized 150,000,000 shares; issued and outstanding 26,202,723 and				
26,888,425 shares as of March 31, 2023, and December 31, 2022, respectively		26		27
Additional paid-in capital		465,185		473,740
Retained earnings		251,420		258,236
Accumulated other comprehensive loss		(33,494)		(34,355)
Total shareholders' equity	\$	683,137 791,373	<u></u>	697,648 802,168
Total liabilities and shareholders' equity		/41 3/3	\$	807.168

# Proto Labs, Inc. Consolidated Statements of Comprehensive Income (In thousands, except share and per share amounts) (Unaudited)

	 Three Mor Marc		nded
	 2023		2022
Statements of Operations:			
Revenue	\$ 125,859	\$	124,168
Cost of revenue	72,083		68,364
Gross profit	 53,776	_	55,804
Operating expenses			
Marketing and sales	22,451		20,586
Research and development	10,677		10,557
General and administrative	16,833		16,771
Closure of Japan business	 66		-
Total operating expenses	 50,027		47,914
Income from operations	3,749		7,890
Other income (loss), net	 1,290		(300)
Income before income taxes	5,039		7,590
Provision for income taxes	 2,380		2,495
Net income	\$ 2,659	\$	5,095
Net income per share:			
Basic	\$ 0.10	\$	0.19
Diluted	\$ 0.10	\$	0.19
Shares used to compute net income per share:			
Basic	26,580,279		27,502,941
Diluted	26,605,787		27,510,477
Comprehensive Income (Loss) (net of tax)			
Comprehensive income (loss)	\$ 3,520	\$	(393)

# Proto Labs, Inc. Consolidated Statements of Shareholders' Equity (In thousands, except share amounts)

	Commo	n Stock	Additional		Accumulated Other	
	Shares	Amount	Paid-In Capital	Retained Earnings	Comprehensive Loss	Total
Balance at December 31, 2022	26,888,425	27	473,740	258,236	(34,355)	697,648
Common shares issued on exercise of options and other,	20.700		(401)			(401)
net of shares withheld for tax obligations Stock-based compensation expense	26,798	-	(401) 3,695	-	<u>-</u>	(401) 3,695
Repurchases of common stock and other	(712,500)	(1)	(11,849)	(9,475)	-	(21,325)
Net income	(712,500)	(1)	(11,043)	2,659	_	2,659
Other comprehensive loss				2,000		2,000
Foreign currency translation adjustment	-	-	-	-	527	527
Net unrealized gains (losses) on investments in securities	-	-	-	-	334	334
Comprehensive loss						3,520
Balance at March 31, 2023	26,202,723	\$ 26	\$ 465,185	\$ 251,420	\$ (33,494)	\$ 683,137
	Commo	n Stock	Additional	Databasad	Accumulated Other	
	Commo	n Stock Amount	Additional Paid-In Capital	Retained Earnings		Total
Balance at December 31, 2021			Paid-In		Other Comprehensive Loss	
Balance at December 31, 2021  Common shares issued on exercise of options and other,	Shares	Amount	Paid-In Capital	Earnings	Other Comprehensive	
Common shares issued on exercise of options and other, net of shares withheld for tax obligations	Shares	Amount	Paid-In Capital	Earnings	Other Comprehensive Loss	
Common shares issued on exercise of options and other, net of shares withheld for tax obligations Stock-based compensation expense	Shares 27,465,945	Amount	Paid-In Capital 468,548	Earnings	Other Comprehensive Loss	828,493
Common shares issued on exercise of options and other, net of shares withheld for tax obligations Stock-based compensation expense Repurchases of common stock	Shares 27,465,945 27,716	Amount 28	Paid-In Capital 468,548 (462)	276,734 - -	Other Comprehensive Loss (16,817)	828,493 (462) 4,397
Common shares issued on exercise of options and other, net of shares withheld for tax obligations Stock-based compensation expense Repurchases of common stock Net income	Shares 27,465,945 27,716	Amount 28	Paid-In Capital 468,548 (462)	Earnings	Other Comprehensive Loss (16,817)	828,493 (462)
Common shares issued on exercise of options and other, net of shares withheld for tax obligations Stock-based compensation expense Repurchases of common stock Net income Other comprehensive loss	Shares 27,465,945 27,716	Amount 28	Paid-In Capital 468,548 (462)	276,734 - -	Other Comprehensive Loss (16,817)	828,493 (462) 4,397 - 5,095
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Common shares issued on exercise of options and other, net of shares withheld for tax obligations Stock-based compensation expense Repurchases of common stock Net income Other comprehensive loss Foreign currency translation adjustment Net unrealized gains (losses) on investments in	Shares 27,465,945 27,716	Amount 28	Paid-In Capital 468,548 (462)	276,734 - -	Other Comprehensive Loss  (16,817)  (4,972)	828,493 (462) 4,397 - 5,095 (4,972)

# Proto Labs, Inc. Consolidated Statements of Cash Flows (In thousands) (Unaudited)

	Three Months March 31	
	 2023	2022
Operating activities		
Net income	\$ 2,659 \$	5,095
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	9,388	10,232
Stock-based compensation expense	3,695	4,397
Deferred taxes	(3,096)	(3,213)
Interest on finance lease obligations	287	-
Other	(46)	79
Changes in operating assets and liabilities:		
Accounts receivable	(2,328)	(6,329)
Inventories	(641)	(675)
Prepaid expenses and other	1,464	1,110
Income taxes	5,160	4,519
Accounts payable	2,536	(326)
Accrued liabilities and other	 3,500	2,894
Net cash provided by operating activities	 22,578	17,783
Investing activities		
Purchases of property, equipment and other capital assets	(3,441)	(3,069)
Proceeds from sales of property, equipment and other capital assets	194	-
Purchases of marketable securities	-	(29,366)
Proceeds from call redemptions and maturities of marketable securities	7,630	6,600
Net cash provided by (used in) investing activities	4,383	(25,835)
Financing activities		
Proceeds from exercises of stock options	_	6
Purchases of shares withheld for tax obligations	(401)	(468)
Repurchases of common stock	(21,119)	-
Principal repayments of finance lease obligations	(82)	(139)
Net cash used in financing activities	 (21,602)	(601)
Effect of exchange rate changes on cash and cash equivalents	 134	(37)
Net increase (decrease) in cash and cash equivalents	5,493	(8,690)
Cash and cash equivalents, beginning of period	56,558	65,929
Cash and cash equivalents, end of period	\$ 62,051 \$	57,239

# **Notes to Consolidated Financial Statements**

# Note 1 - Basis of Presentation

The unaudited interim Consolidated Financial Statements of Proto Labs, Inc. (Protolabs, the Company, we, us or our) have been prepared in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP) for interim financial information and with the instructions to Form 10-Q and Article 10 of Regulation S-X. In the opinion of management, the accompanying financial statements reflect all adjustments necessary for a fair presentation of the Company's statements of financial position, results of operations and cash flows for the periods presented. Except as otherwise disclosed herein, these adjustments consist of normal, recurring items. Operating results for interim periods are not necessarily indicative of results that may be expected for the fiscal year as a whole.

The preparation of the financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, expenses, and the related disclosures at the date of the financial statements and during the reporting period. Actual results could materially differ from these estimates. For further information, refer to the audited Consolidated Financial Statements and Notes thereto included in the Company's Annual Report on Form 10-K for the year ended December 31, 2022, as filed with the Securities and Exchange Commission (SEC) on February 21, 2023.

The accompanying Consolidated Balance Sheet as of December 31, 2022 was derived from the audited Consolidated Financial Statements but does not include all disclosures required by U.S. GAAP for a full set of financial statements. This Quarterly Report on Form 10-Q should be read in conjunction with the Company's Consolidated Financial Statements and Notes included in the Company's Annual Report on Form 10-K filed on February 21, 2023 as referenced above.

# Note 2 – Recent Accounting Pronouncements

The Company did not recently adopt any accounting pronouncements that had a material impact on the Company's Consolidated Financial Statements. There are no pending accounting pronouncements that are expected to have a material impact on the Company's Consolidated Financial Statements.

# Note 3 - Net Income per Common Share

Basic net income per share is computed based on the weighted-average number of common shares outstanding. Diluted net income per share is computed based on the weighted-average number of common shares outstanding, increased by the number of additional shares that would have been outstanding had potentially dilutive common shares been issued and reduced by the number of shares the Company could have repurchased from the proceeds from issuance of the potentially dilutive shares. Potentially dilutive shares of common stock include stock options and other stock-based awards granted under stock-based compensation plans and shares committed to be purchased under the employee stock purchase plan. Performance stock units are excluded from the calculation of dilutive potential common shares until the performance conditions have been satisfied. For the three months ended March 31, 2023 and 2022, 382,906 and 233,380 anti-dilutive options were excluded from the calculation of diluted weighted average shares outstanding, respectively.

The table below sets forth the computation of basic and diluted net income per share:

	Т	Three Months Ended March 31,							
(in thousands, except share and per share amounts)	<b>202</b> 3	•	2022						
Net income	\$	2,659 \$	5	5,095					
Dacie visighted everyoge charge outstanding.	26	580,279	27 50	02,941					
Basic - weighted-average shares outstanding:  Effect of dilutive securities:	20,	560,279	27,50	02,941					
Employee stock options and other		25,508		7,536					
Diluted - weighted-average shares outstanding:	26,	605,787	27,52	10,477					
Net income per share:									
Basic	\$	0.10 \$	5	0.19					
Diluted	\$	0.10 \$	3	0.19					

# Note 4 – Goodwill and Other Intangible Assets

There were no changes in the carrying amount of goodwill during the three months ended March 31, 2023.

Intangible assets other than goodwill at March 31, 2023 and December 31, 2022 were as follows:

		March 31, 2023		D	ecember 31, 2022	Useful	Weighted Average	
(in thousands)	Gross	Accumulated Amortization	Net	Gross	Accumulated Amortization	Life (in years)	Useful Life Remaining (in years)	
Intangible assets with finite								
lives:								
Marketing assets	\$ 930	\$ (829)	\$ 101	\$ 930	\$ (806)	\$ 124	10.0	1.1
Non-compete agreement	831	(516)	315	828	(487)	341	2.0 - 5.0	1.9
Software technology	13,229	(6,725)	6,504	13,229	(6,383)	6,846	10.0	4.8
Software platform	26,200	(4,886)	21,314	26,054	(4,337)	21,717	12.0	9.8
Tradenames	352	(256)	96	350	(227)	123	3.0	8.0
Customer relationships	12,209	(10,670)	1,539	12,197	(10,098)	2,099	3.0 - 9.0	0.6
Total intangible assets	\$ 53,751	\$ (23,882)	\$ 29,869	\$ 53,588	\$ (22,338)	31,250		

Intangible assets allocated to the acquired Hubs entities consisted of intangible assets of €11.6 million in Europe and \$16.6 million in the United States as of the date of the acquisition. The Euro denominated intangible assets are translated at the end of each period using the current exchange rates resulting in a foreign currency translation adjustment that is recorded as a component of Other Comprehensive Income. Foreign currency losses related to intangible assets were \$1.5 million and \$1.7 million as of March 31, 2023 and December 31, 2022, respectively. Amortization expense for intangible assets was \$1.5 million for each of the three months ended March 31, 2023 and 2022.

Estimated aggregated amortization expense based on the current carrying value of the amortizable intangible assets and current exchange rates is as follows:

(in thousands)	An	Estimated nortization Expense
Remaining 2023	\$	4,376
2024		3,746
2025		3,648
2026		3,546
2027		3,537
Thereafter		11,016
Total estimated amortization expense	\$	29,869

### **Note 5 – Fair Value Measurements**

Accounting Standards Codification, *Fair Value Measurement* (ASC 820), defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. ASC 820 also establishes a fair value hierarchy that requires classification based on observable and unobservable inputs when measuring fair value. There are three levels of inputs that may be used to measure fair value:

Level 1—Quoted prices in active markets for identical assets or liabilities.

Level 2—Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.

Level 3—Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.

The Company's assets and liabilities that are required to be measured or disclosed at fair value on a recurring basis include cash and cash equivalents and marketable securities. The Company's cash consists of bank deposits and cash equivalents consist primarily of money market mutual funds. The Company determines the fair value of these investments using Level 1 inputs. The Company's marketable securities consist of short-term and long-term agency, municipal, corporate and other debt securities. Fair value for the corporate debt securities is primarily determined based on quoted market prices (Level 1). Fair values for the U.S. municipal securities, U.S. government agency securities, certificates of deposit and U.S. treasury securities are primarily determined using dealer quotes or quoted market prices for similar securities (Level 2).

The following table summarizes financial assets as of March 31, 2023 and December 31, 2022 measured at fair value on a recurring basis:

		March 31, 2023					March 31, 2023 December 31, 2022						22	
(in thousands)	Ī	evel 1	I	Level 2	Le	vel 3	I	Level 1	I	Level 2	Lev	vel 3		
Financial Assets:														
Cash	\$	50,165	\$	-	\$	-	\$	38,862	\$	-	\$	-		
Money market mutual fund		11,886		-		-		17,696		-		-		
Marketable securities		11,344		31,331		-		9,881		40,106		-		
Total	\$	73,395	\$	31,331	\$	-	\$	66,439	\$	40,106	\$	-		

# Note 6 - Marketable Securities

The Company invests in short-term and long-term agency, municipal, corporate and other debt securities. The securities are categorized as available-for-sale and are recorded at fair value. The following table summarizes information regarding the Company's short-term and long-term marketable securities as of March 31, 2023 and December 31, 2022:

	March 31, 2023							
			Unrea	alized	Un	realized		
(in thousands)		Cost	Ga	ins	Ι	Losses	Fai	r Value
U.S. municipal securities	\$	14,377	\$	-	\$	(330)	\$	14,047
Corporate debt securities		6,567		-		(153)		6,414
U.S. government agency securities		22,282		-		(558)		21,724
Certificates of deposit/time deposits		494		-		(4)		490
Total marketable securities	\$	43,720	\$	-	\$	(1,045)	\$	42,675

			U	nrealized	Ur	ırealized		
(in thousands)		Cost		Gains	]	Losses	Fa	ir Value
U.S. municipal securities	\$	15,574	\$	-	\$	(417)	\$	15,157
Corporate debt securities		9,578		-		(205)		9,373
U.S. government agency securities		25,275		-		(750)		24,525
Certificates of deposit/time deposits		939		-		(7)		932
Total marketable securities	\$	51,366	\$	-	\$	(1,379)	\$	49,987

Fair values for the corporate debt securities are primarily determined based on quoted market prices (Level 1). Fair values for the U.S. municipal securities, U.S. government agency securities, certificates of deposit and U.S. treasury securities are primarily determined using dealer quotes or quoted market prices for similar securities (Level 2).

Classification of marketable securities as current or non-current is based upon the security's maturity date as of the date of these financial statements.

The March 31, 2023 balance of available-for-sale debt securities by contractual maturity is shown in the following table at fair value. Actual maturities may differ from contractual maturities because the issuers of the securities may have the right to prepay obligations without prepayment penalties.

(in thousands)	M	arch 31, 2023
Due in one year or less	\$	22,851
Due after one year through five years		19,824
Total marketable securities	\$	42,675

# Note 7 - Inventory

Inventory consists primarily of raw materials, which are recorded at the lower of cost and net realizable value using the standard cost method, which approximates first-in, first-out (FIFO) cost. 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.

The Company's inventory consisted of the following as of the dates indicated:

ф		2022
\$	14,692	\$ 13,965
	(419)	(387)
\$	14,273	\$ 13,578
	\$	 

# Note 8 - Stock-Based Compensation

Under the Company's 2012 Long-Term Incentive Plan, as amended (the 2012 Plan), the Company had the ability to grant stock options, stock appreciation rights (SARs), restricted stock, restricted stock units, other stock-based awards and cash incentive awards through February 23, 2022. On July 8, 2022, the board of directors approved the Proto Labs, Inc. 2022 Long-Term Incentive Plan (the 2022 Plan), which was approved by the Company's shareholders at a Special Meeting of Shareholders on August 29, 2022. No awards were granted from February 23, 2022 to August 29, 2022. Awards outstanding under the 2012 Plan as of August 29, 2022 will continue to be subject to the terms of the 2012 Plan, but if those awards subsequently expire, are forfeited or cancelled or are settled in cash, the shares subject to those awards will become available for awards under the 2022 Plan. Under the 2022 Plan, the Company has the ability to grant stock options, stock appreciation rights (SARs), restricted stock, restricted stock units, other stock-based awards and cash incentive awards. Awards under the 2022 Plan have a maximum term of ten years from the date of grant. The compensation committee may provide that the vesting or payment of any award will be subject to the attainment of specified performance measures in addition to the satisfaction of any continued service requirements and the compensation committee will determine whether such measures have been achieved. The per-share exercise price of stock options and SARs granted under the 2022 Plan generally may not be less than the fair market value of a share of our common stock on the date of the grant.

# **Employee Stock Purchase Plan**

The Company's 2012 Employee Stock Purchase Plan (ESPP) allows eligible employees to purchase a variable number of shares of the Company's common stock each offering period at a discount through payroll deductions of up to 15 percent of their eligible compensation, subject to plan limitations. The ESPP provides for six-month offering periods with a single purchase period ending May 15 and November 15, respectively. At the end of each offering period, employees are able to purchase shares at 85 percent of the lower of the fair market value of the Company's common stock on the first trading day of the offering period or on the last trading day of the offering period.

# **Stock-Based Compensation Expense**

Stock-based compensation expense was \$3.7 million and \$4.4 million for the three months ended March 31, 2023 and 2022, respectively.

# **Stock Options**

The following table summarizes stock option activity during the three months ended March 31, 2023:

	Stock Options	Weighted- Average Exercise Price
Options outstanding at December 31, 2022	263,992	\$ 79.07
Granted	134,647	33.84
Exercised	-	-
Forfeited	(15,061)	73.17
Expired	(672)	108.33
Options outstanding at March 31, 2023	382,906	\$ 63.34
Exercisable at March 31, 2023	120,344	\$ 89.42

The outstanding options generally have a term of ten years. For employees, options granted become exercisable ratably over the vesting period, which is generally a period of four years, beginning on the first anniversary of the grant date, subject to the employee's continuing service to the Company.

The weighted-average grant date fair value of options that were granted during the three months ended March 31, 2023 was \$16.21.

The following table provides the assumptions used in the Black-Scholes pricing model valuation of options during the three months ended March 31, 2023 and 2022:

	Three Months End	Three Months Ended March 31,		
	2023	2022		
Risk-free interest rate	3.90% - 4.55%	1.94%		
Expected life (years)	2.00 - 6.25	6.25		
Expected volatility	49.23% - 55.92%	45.95%		
Expected dividend yield	0%	0%		

As of March 31, 2023, there was \$5.3 million of unrecognized compensation expense related to unvested stock options, which is expected to be recognized over a weighted-average period of 2.8 years.

# **Restricted Stock**

Restricted stock awards are share-settled awards and restrictions lapse ratably over the vesting period, which is generally a period from three to four years, beginning on the first anniversary of the grant date, subject to the employee's continuing service to the Company. For the board of directors, restrictions generally lapse in full on the first anniversary of the grant date.

The following table summarizes restricted stock activity during the three months ended March 31, 2023:

	Restricted Stock	Weighted- Average Grant Date Fair Value Per Share	
Restricted stock at December 31, 2022	478,596	\$ 70	0.36
Granted	88,658	3	3.84
Restrictions lapsed	(37,528)	11	1.56
Forfeited	(23,807)	7.	5.18
Restricted stock at March 31, 2023	505,919	\$ 6	0.57

As of March 31, 2023, there was \$20.0 million of unrecognized compensation expense related to non-vested restricted stock, which is expected to be recognized over a weighted-average period of 2.5 years.

# **Performance Stock**

Performance stock units (PSUs) are expressed in terms of a target number of PSUs, with anywhere between 0 percent and 200 percent of that target number capable of being earned and vesting at the end of a three-year performance period depending on the Company's performance in the final year of the performance period and the award recipient's continued employment. Certain PSUs granted by the Company in 2021 are based on performance conditions and the related compensation cost is based on the probability that the performance conditions will be achieved. The Company's PSUs granted in 2020, 2022, 2023 and certain PSUs granted in 2021 are based on market conditions and the related compensation cost is based on the fair value at grant date calculated using a Monte Carlo pricing model.

The following table summarizes performance stock activity during the three months ended March 31, 2023:

	Performance Stock	Weighted- Average Grant Date Fair Value Per Share
Performance stock at December 31, 2022	35,802	\$ 77.91
Granted	71,295	57.79
Restrictions lapsed	-	-
Performance change	-	-
Forfeited	-	-
Performance stock at March 31, 2023	107,097	\$ 74.08

The following table provides the assumptions used in the Monte Carlo pricing model valuation of PSUs during the three months ended March 31, 2023 and 2022:

	Three Months E	Three Months Ended March 31,		
	2023	2022		
Risk-free interest rate	4.35%	1.76%		
Expected life (years)	2.88	2.87		
Expected volatility	58.00%	53.50%		
Expected dividend yield	0%	0%		

As of March 31, 2023, there was \$6.1 million of unrecognized compensation expense related to non-vested performance stock, which is expected to be recognized over a weighted-average period of 2.5 years.

# **Employee Stock Purchase Plan**

The following table presents the assumptions used to estimate the fair value of the ESPP during the three months ended March 31, 2023 and 2022:

	Three Months E	Three Months Ended March 31,		
	2023	2022		
Risk-free interest rate	4.60%	0.17%		
Expected life (months)	6.00	6.00		
Expected volatility	67.84%	53.44%		
Expected dividend yield	0%	0%		

# **Note 9 – Accumulated Other Comprehensive Income (Loss)**

Other comprehensive income (loss) is comprised of foreign currency translation adjustments and net unrealized gains (losses) on investments in securities. The following table presents the changes in accumulated other comprehensive income (loss) balances during the three months ended March 31, 2023 and 2022:

(in thousands)		Three Months Ended March 31, 2023 2022		
	<u></u>	(24.255) d	(16.017)	
Balance at beginning of period	\$	(34,355) \$	(16,817)	
Foreign currency translation adjustments				
Other comprehensive income (loss) before reclassifications		527	(4,972)	
Amounts reclassified from accumulated other comprehensive loss				
Net current-period other comprehensive income (loss)		527	(4,972)	
Net unrealized gains (losses) on investments in securities				
Other comprehensive income (loss) before reclassifications		334	(516)	
Amounts reclassified from accumulated other comprehensive loss		<u> </u>		
Net current-period other comprehensive income (loss)		334	(516)	
Balance at end of period	\$	(33,494) \$	(22,305)	

### Note 10 - Income Taxes

The Company is subject to income tax in multiple jurisdictions and the use of estimates is required to determine the provision for income taxes. For the three months ended March 31, 2023 and 2022, the Company recorded an income tax provision of \$2.4 million and \$2.5 million, respectively. The income tax provision is based on the estimated annual effective tax rate for the year applied to pre-tax income. The effective income tax rate for the three months ended March 31, 2023 was 47.2 percent compared to 32.9 percent in the same period of the prior year. The effective tax rate increased by 14.3 percent for the three months ended March 31, 2023 when compared to the same period in 2022, primarily due to a decrease in tax benefits from the vesting of restricted stock, the cancellation of performance stock units and the exercise of stock options, as well as an increase in the rate impact of losses in jurisdictions that are not eligible for tax benefits due to valuation allowances.

The effective income tax rate for the three months ended March 31, 2023 differs from the U.S. federal statutory rate of 21.0 percent due to various factors, including operating in multiple state and foreign jurisdictions and tax credits for which the Company qualifies.

The Company had unrecognized tax benefits totaling \$4.7 million as of March 31, 2023 and \$4.5 million as of December 31, 2022, respectively, that if recognized would result in a reduction of the Company's effective tax rate. The liabilities are classified as other long-term liabilities in the accompanying consolidated balance sheets. The Company recognizes interest and penalties related to income tax matters in income tax expense and reports the liability in current or long-term income taxes payable as appropriate.

# Note 11 - Segment Reporting

The Company's reportable segments are based on the internal reporting used by the Company's Chief Executive Officer, who is the chief operating decision maker (CODM), to assess operating performance and make decisions about the allocation of resources. The Corporate Unallocated and Japan category includes non-reportable segments, as well as research and development and general and administrative costs, that the Company does not allocate directly to its operating segments.

Intercompany transactions primarily relate to intercontinental activity and have been eliminated and are excluded from the reported amounts. The difference between income from operations and pre-tax income relates to foreign currency-related gains and losses and interest income on cash balances and investments, which are not allocated to business segments.

Revenue and income from operations by reportable segment for the three months ended March 31, 2023 and 2022 were as follows:

	Thre	Three Months Ended March 31,		March 31,
(in thousands)	20	)23		2022
Revenue:				
United States	\$	97,746	\$	95,496
Europe		28,113		24,586
Japan		-		4,086
Total revenue	\$	125,859	\$	124,168

	Three Months Ended March 31,		
(in thousands)	2023		2022
Income (Loss) from Operations:			
United States	\$ 20,481	\$	22,524
Europe	(2,483)		(1,679)
Corporate Unallocated and Japan	(14,249)		(12,955)
Total Income from Operations	\$ 3,749	\$	7,890

Total long-lived assets at March 31, 2023 and December 31, 2022 were as follows:

(in thousands)  Total long-lived assets:	_	March 31, 2023	D	ecember 31, 2022
United States	\$	199,381	\$	203,816
Europe		54,101		53,835
Japan		134		134
Total Long-lived Assets	\$	253,616	\$	257,785

Revenue by product line for the three months ended March 31, 2023 and 2022 were as follows:

	Т	nded March 31,		
(in thousands)		2023		2022
Revenue:				
Injection Molding	\$	51,948	\$	53,398
CNC Machining		48,104		46,098
3D Printing		21,325		19,672
Sheet Metal		4,248		4,687
Other Revenue		234		313
Total revenue	\$	125,859	\$	124,168
			·	

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

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our unaudited consolidated financial statements and related notes appearing elsewhere in this Quarterly Report on Form 10-Q and our Annual Report on Form 10-K for the year ended December 31, 2022.

# **Forward-Looking Statements**

Statements contained in this report regarding matters that are not historical or current facts are "forward-looking statements" within the meaning of The Private Securities Litigation Reform Act of 1995. In some cases, you can identify forward-looking statements by the following words: "may," "will," "could," "would," "should," "expect," "intend," "plan," "anticipate," "believe," "estimate," "predict," "project," "potential," "continue," "ongoing" or the negative of these terms or other comparable terminology, although not all forward-looking statements contain these words. These statements involve known and unknown risks, uncertainties and other factors that may cause our results to be materially different than those expressed or implied in such statements. Certain of these risk factors and others are described in Item 1A. "Risk Factors" of this Form 10-Q, as well as our most recent Annual Report on Form 10-K as filed with the Securities and Exchange Commission (SEC). Other unknown or unpredictable factors also could have material adverse effects on our future results. We cannot guarantee future results, levels of activity, performance or achievements. Accordingly, you should not place undue reliance on these forward-looking statements. Finally, we expressly disclaim any intent or obligation to update any forward-looking statements to reflect subsequent events or circumstances.

# Overview

We are one of the world's largest and fastest digital manufacturers of custom prototypes and on-demand production parts. Our mission is to empower companies to bring new ideas to market by offering the fastest and most comprehensive digital manufacturing service in the world. Our automated quoting and manufacturing systems allow us to produce commercial-grade plastic, metal, and liquid silicone rubber parts in as fast as one day. We manufacture prototype and low volume production parts for companies worldwide, who are under increasing pressure to bring their finished products to market faster than their competition. We utilize injection molding, computer numerical control (CNC) machining, 3D printing and sheet metal fabrication to manufacture custom parts for our customers. For most of our offerings, our proprietary technology eliminates most of the time-consuming and expensive skilled labor conventionally required to quote and manufacture parts. Our customers conduct nearly all of their business with us over the Internet. We target our products to the millions of product developers and engineers who use three-dimensional computer-aided design (3D CAD) software to design products across a diverse range of end-markets. In addition, we serve procurement and supply chain professionals seeking to manufacture custom parts on-demand. Through the acquisition of Hubs (formerly 3D Hubs, Inc.) (Hubs) in 2021, we are able to provide our customers access to a global network of premium manufacturing partners who reside across North America, Europe and Asia, complementing our in-house manufacturing. We believe our use of advanced technology enables us to offer significant advantages at competitive prices to many customers and is the primary reason we have become a leading supplier of custom parts.

On May 27, 2022, our board of directors approved a plan for the closure of our manufacturing facility in Japan and announced an intention to cease operations in the region. Affected employees in Japan will receive severance and other transition assistance that meet or exceed local requirements. We expect to complete the closure plan within the year.

Our primary manufacturing product lines currently include Injection Molding, CNC Machining, 3D Printing and Sheet Metal. We continually seek to expand the range of sizes and geometric complexity of the parts we can make with these processes, to extend the variety of materials we are able to support, and to identify additional manufacturing processes to which we can apply our technology in order to better serve the evolving preferences and needs of product developers and engineers. In 2021, we augmented our internal manufacturing operations through our acquisition of Hubs to expand the envelope of custom parts we can provide to our customers through a network of premium manufacturing partners in each of our product lines.

# Injection Molding

Our Injection Molding product line uses our 3D CAD-to-CNC machining technology for the automated design and manufacture of molds, which are then used to produce custom plastic and liquid silicone rubber injection-molded parts and over-molded and insert-molded injection-molded parts on commercially available equipment. Our Injection Molding product line works best for on-demand production, bridge tooling, pilot runs and functional prototyping. Our affordable molds and quick turnaround times help reduce design risk and limit overall production costs for product developers and engineers. Because we retain possession of the molds, customers who need short-run production often come back to Proto Labs' Injection Molding product line for additional quantities. They do so to support pilot production for product testing, while their tooling for high-volume production is being prepared, because they need on-demand manufacturing due to disruptions in their manufacturing process, because their product requires limited annual quantity or because they need end-of-life production support. In 2017, we launched an on-demand manufacturing injection molding service. This service utilizes our existing processes, but is designed to fulfill the needs of customers with on-going production needs.

# **CNC Machining**

Our CNC Machining product line uses commercially available CNC machines to offer milling and turning. CNC milling is a manufacturing process that cuts plastic and metal blocks into one or more custom parts based on the 3D CAD model uploaded by the customer. CNC turning is a subtractive manufacturing process that rotates a metal rod while a cutting tool is used to remove material and create final parts. Quick-turn CNC machining works best for prototyping, form and fit testing, jigs and fixtures and functional components for end-use applications.

# **Industrial 3D Printing**

Our Industrial 3D Printing product line includes SL, SLS, DMLS, MJF, PolyJet, Carbon DLS and fused deposition modeling (FDM) processes, which offers customers a wide-variety of high-quality, precision rapid prototyping and low volume production. These processes create parts with a high level of accuracy, detail, strength and durability. Industrial 3D Printing is best suited for functional prototypes, complex designs and end-use applications.

# **Sheet Metal**

Our Sheet Metal product line includes quick-turn and e-commerce-enabled custom sheet metal parts, providing customers with prototype and low-volume production parts. The rapid prototype sheet metal process is most often used when form, fit and function are all a priority. Our manufacturing process uses customer 3D CAD models uploaded by the customer to fabricate rapid prototyping sheet metal or end-use production parts and assemblies.

# **Key Financial Measures and Trends**

## Revenue

Our operations are comprised of three geographic operating segments in the United States, Europe and Japan. On May 27, 2022, our board of directors approved a plan for the closure of our manufacturing facility in Japan and announced an intention to cease operations in the region. Revenue is derived from our Injection Molding, CNC Machining, 3D Printing and Sheet Metal product lines. Injection Molding revenue consists of sales of custom injection molds and injection-molded parts. CNC Machining revenue consists of sales of CNC-machined custom parts. 3D Printing revenue consists of sales of 3D-printed parts. Sheet Metal revenue consists of sales of fabricated sheet metal custom parts. Our historical and current efforts to increase revenue have been directed at gaining new customers and selling to our existing customer base by increasing marketing and selling activities, including:

- expanding the breadth and scope of our products by adding more sizes and materials to our offerings;
- the introduction of our 3D Printing product line through our acquisition of FineLine in 2014;
- expanding 3D Printing to Europe through our acquisition of Alphaform in 2015;
- the introduction of our Sheet Metal product line through our acquisition of Rapid Manufacturing Group, LLC in 2017;
- continuously improving the usability of our product lines such as our web-centric applications; and
- providing customers with on-demand access to a global network of premium manufacturing partners through our acquisition of Hubs in 2021.

During the three months ended March 31, 2023, we served 23,287 unique product developers and engineers who purchased our products through our webbased customer interface, which is consistent with the same period in 2022.

# Cost of Revenue, Gross Profit and Gross Margin

Cost of revenue consists primarily of raw materials, equipment depreciation, employee compensation, benefits, stock-based compensation, facilities costs and overhead allocations associated with the manufacturing process for molds and customer parts. We expect our personnel-related costs to increase in order to retain and attract top talent and remain competitive in the market. Overall, we expect cost of revenue to increase in absolute dollars.

We define gross profit as our revenue less our cost of revenue, and we define gross margin as gross profit expressed as a percentage of revenue. Our gross profit and gross margin are affected by many factors, including our mix of revenue by product line, pricing, sales volume, manufacturing costs, the costs associated with increasing production capacity, the mix between domestic and foreign revenue sources, the mix between revenue produced in our internal manufacturing operations and outsourced to our external manufacturing partners, the mix between premium expedited manufacturing and longer lead times, and foreign currency exchange rates.

# **Operating Expenses**

Operating expenses consist of marketing and sales, research and development and general and administrative expenses. Personnel-related costs are the most significant component in each of these categories.

Our business strategy is to continue to be a leading online and technology-enabled manufacturer of quick-turn, on-demand injection-molded, CNC-machined, 3D-printed and sheet metal custom parts for prototyping and low-volume production. In order to achieve our goals, we anticipate continued substantial investments in technology and personnel, resulting in increased operating expenses in the future.

Marketing and sales. Marketing and sales expense consists primarily of employee compensation, benefits, commissions, stock-based compensation, marketing programs such as electronic, print and pay-per-click advertising, trade shows and other related overhead, which includes an allocation of information technology expense including amortization of Protolabs 2.0 software assets. We expect sales and marketing expense to increase in the future as we increase the number of marketing and sales professionals and marketing programs targeted to increase our customer base and grow revenue.

Research and development. Research and development expense consists primarily of personnel and outside service costs related to the development of new processes and product lines, enhancement of existing product lines, development of software for internal use, maintenance of internally developed software, quality assurance and testing. Costs for internal use software are evaluated by project and capitalized where appropriate under ASC 350-40, Intangibles — Goodwill and Other, Internal-Use Software. We expect research and development expense to increase in the future as we seek to enhance our e-commerce interface technology, internal software and supporting business systems, and continue to expand our product lines.

*General and administrative.* General and administrative expense consists primarily of employee compensation, benefits, stock-based compensation, professional service fees related to accounting, tax and legal, and other related overhead, which includes an allocation of information technology expense including amortization of Protolabs 2.0 software assets. We expect general and administrative expense to increase in the future as we continue to grow and expand as a global organization.

Closure of Japan business. Closure of Japan business expense is driven by our decision to close the Japan manufacturing facility and exit the Japan market. The expenses consist primarily of operating expense, including employee severance, write-down of fixed assets, facility-related charges and goodwill impairment charges.

# Other Income (Loss), net

Other income (loss), net primarily consists of foreign currency-related gains and losses and interest income on cash balances and investments. Our foreign currency-related gains and losses will vary depending upon movements in underlying foreign currency exchange rates. Our interest income will vary each reporting period depending on our average cash balances during the period, composition of our marketable security portfolio and the current level of interest rates.

# **Provision for Income Taxes**

Provision for income taxes is comprised of federal, state, local and foreign taxes based on pre-tax income. Overall, our effective tax rate for 2023 and beyond may differ from historical effective tax rates due to increases in losses in foreign operations that are not eligible for tax benefits on account of valuation allowances, as well as any future tax law changes that may impact our effective tax rate.

# **Results of Operations**

The following table summarizes our results of operations and the related changes for the periods indicated. The results below are not necessarily indicative of the results for future periods.

		Three Months E	nded	l March 31,		Chang	ge
(dollars in thousands)	 2023	}		202	2		\$%
Revenue	\$ 125,859	100.0	\$	124,168	100.0	\$ 1,691	1.4
Cost of revenue	 72,083	57.3		68,364	55.1	3,719	5.4
Gross profit	53,776	42.7		55,804	44.9	(2,028)	(3.6)
Operating expenses:							
Marketing and sales	22,451	17.8		20,586	16.6	1,865	9.1
Research and development	10,677	8.5		10,557	8.5	120	1.1
General and administrative	16,833	13.4		16,771	13.5	62	0.4
Closure of Japan business	66	0.1		-		66	100.0
Total operating expenses	 50,027	39.7		47,914	38.6	2,113	4.4
Income from operations	3,749	3.0		7,890	6.3	(4,141)	(52.5)
Other income (loss), net	1,290	1.0		(300)	(0.2)	1,590	(530.0)
Income before income taxes	5,039	4.0		7,590	6.1	(2,551)	(33.6)
Provision for income taxes	2,380	1.9		2,495	2.0	(115)	(4.6)
Net income	\$ 2,659	2.1%	\$	5,095	4.1%	\$ (2,436)	(47.8)%

Stock-based compensation expense included in the statements of operations data above for the three months ended March 31, 2023 and 2022 were as follows:

	Tl	ree Months End	Ended March 31,		
(dollars in thousands)		2023	2022		
Stock options, restricted stock and performance stock	\$	3,321 \$	4,006		
Employee stock purchase plan		374	391		
Total stock-based compensation expense	\$	3,695 \$	4,397		
Cost of revenue	\$	466 \$	587		
Operating expenses:					
Marketing and sales		693	737		
Research and development		572	629		
General and administrative		1,964	2,444		
Total stock-based compensation expense	\$	3,695 \$	4,397		

# Comparison of Three Months Ended March 31, 2023 and 2022

### Revenue

Revenue by reportable segment and the related changes for the three months ended March 31, 2023 and 2022 were as follows:

	Т	hree Months Ende	ed March 31,				
	202	23	202	22		Chan	ige
		% of Total		% of Total			
(dollars in thousands)	\$	Revenue	\$	Revenue	\$		%
Revenue							
United States	\$ 97,746	77.7% \$	95,496	76.9%	\$ 2,	250	2.4%
Europe	28,113	22.3	24,586	19.8	3,	527	14.3
Japan	-	-	4,086	3.3	(4,	086)	(100.0)
Total revenue	\$ 125,859	100.0% \$	124,168	100.0%	\$ 1,	691	1.4%

Our revenue increased \$1.7 million, or 1.4%, for the three months ended March 31, 2023 compared to the same period in 2022. By reportable segment, revenue in the United States increased \$2.3 million, or 2.4%, for the three months ended March 31, 2023 compared to the same period in 2022. Revenue in Europe increased \$3.5 million, or 14.3%, and revenue in Japan decreased \$4.1 million, or 100.0%, in each case for the three months ended March 31, 2023 compared to the same period in 2022. The decrease in Japan revenue was driven by our decision in the second quarter of 2022 to close our Japan operations. Our acquisition of Hubs provided revenue of \$9.4 million and \$4.8 million in the United States, and \$7.8 million and \$5.5 million in Europe, for each of the three months ended March 31, 2023 and 2022. International revenue was negatively impacted by \$2.5 million during the three months ended March 31, 2023 compared to the same period in 2022 as a result of foreign currency movements, primarily the weakening of the British Pound and Euro relative to the United States Dollar.

During the three months ended March 31, 2023, we served 23,287 unique product developers and engineers, which is consistent with the same period in 2022. Our growth in product developers and engineers served increased at a lesser rate than our revenue growth, resulting in an increase in the average spend per product developer and engineer.

Revenue by product line and the related changes for the three months ended March 31, 2023 and 2022 were as follows:

	T	hree Months Ended	l March 31	,		
	 202	23	202	22	Chang	;e
		% of Total		% of Total		
(dollars in thousands)	 \$	Revenue	\$	Revenue	\$	%
Revenue						
Injection Molding	\$ 51,948	41.3% \$	53,398	43.0% \$	(1,450)	(2.7)%
CNC Machining	48,104	38.2	46,098	37.1	2,006	4.4
3D Printing	21,325	16.9	19,672	15.8	1,653	8.4
Sheet Metal	4,248	3.4	4,687	3.8	(439)	(9.4)
Other Revenue	234	0.2	313	0.3	(79)	(25.2)
Total revenue	\$ 125,859	100.0% \$	124,168	100.0% \$	1,691	1.4%

By product line, our revenue increase was driven by a 4.4% increase in CNC Machining revenue and an 8.4% increase in 3D Printing revenue, which was partially offset by a 2.7% decrease in Injection Molding revenue, a 9.4% decrease in Sheet Metal revenue and a 25.2% decrease in Other Revenue, in each case for the three months ended March 31, 2023 compared to the same period in 2022.

Cost of Revenue, Gross Profit and Gross Margin

Cost of Revenue. Cost of revenue increased \$3.7 million, or 5.4%, for the three months ended March 31, 2023 compared to the same period in 2022, which was higher than the rate of revenue increase of 1.4% for the three months ended March 31, 2023 compared to the same period in 2022. Cost of revenue decreased \$1.9 million in our digital manufacturing business, which was driven by decreases in overtime and contract labor expense and led to lower personnel and related costs of \$2.1 million, and an increase in raw material and product costs of \$0.2 million. Hubs provided a \$5.6 million increase in cost of revenue due to higher revenue volume for the three months ended March 31, 2023 compared to the same period in 2022.

*Gross Profit and Gross Margin*. Gross profit decreased from \$55.8 million in the three months ended March 31, 2022 to \$53.8 million in the three months ended March 31, 2023. Gross margin decreased from 44.9% in the three months ended March 31, 2022 to 42.7% in the three months ended March 31, 2023.

Operating Expenses, Other Income (Loss), net and Provision for Income Taxes

*Marketing and Sales.* Marketing and sales expenses increased \$1.9 million, or 9.1%, during the three months ended March 31, 2023 compared to the same period in 2022. The increase was driven by marketing program cost increases in our digital manufacturing business of \$0.2 million and increases in Hubs' marketing and sales expenses of \$1.7 million during the three months ended March 31, 2023 when compared to the same period in 2022.

Research and Development. Our research and development expenses increased \$0.1 million, or 1.1%, during the three months ended March 31, 2023 compared to the same period in 2022 primarily due to increases of \$0.7 million in Hubs' research and development expenses, which were partially offset by personnel and related cost decreases of \$0.2 million and decreases in professional services and other operating costs of \$0.4 million in our digital manufacturing business.

General and Administrative. Our general and administrative expenses increased \$0.1 million, or 0.4%, during the three months ended March 31, 2023 compared to the same period in 2022 primarily due to an increase of \$0.3 million in personnel and related costs, an increase of professional services of \$0.4 million, an increase in stock based compensation costs of \$0.1 million, which were partially offset by a decrease of \$0.5 million in administrative costs and decreases of \$0.2 million in Hubs' general and administrative expenses.

Closure of Japan business. Our decision to close our Japan business resulted in \$0.1 million in operating expenses during the three months ended March 31, 2023. We had no expenses related to the closure of our Japan business in the three months ended March 31, 2022.

Other income (loss), net. We recognized other income, net of \$1.3 million for the three months ended March 31, 2023, an increase of \$1.6 million compared to other loss, net of \$0.3 million for the three months ended March 31, 2022. Other income, net for the three months ended March 31, 2023 primarily consisted of a \$0.1 million gain on foreign currency and \$1.2 million in interest income on investments and other income, net for the three months ended March 31, 2022 primarily consisted of a \$0.3 million loss on foreign currency.

Provision for Income Taxes. Our effective tax rate of 47.2% for the three months ended March 31, 2023 increased 14.3% compared to 32.9% for the same period in 2022. The increase in the effective tax rate is primarily due to a decrease in tax benefits from the vesting of restricted stock, the cancellation of performance stock units and the exercise of stock options, as well as an increase in the rate impact of losses in jurisdictions that are not eligible for tax benefits due to valuation allowances. Our income tax provision of \$2.4 million for the three months ended March 31, 2023 decreased \$0.1 million compared to our income tax provision of \$2.5 million for the three months ended March 31, 2022.

# Liquidity and Capital Resources

### Cash Flows

The following table summarizes our cash flows during the three months ended March 31, 2023 and 2022:

	Three Months Ended March				
(dollars in thousands)		2023		2022	
Net cash provided by operating activities	\$	22,578	\$	17,783	
Net cash provided by (used in) investing activities		4,383		(25,835)	
Net cash used in financing activities		(21,602)		(601)	
Effect of exchange rates on cash and cash equivalents		134		(37)	
Net increase (decrease) in cash and cash equivalents	\$	5,493	\$	(8,690)	

# Sources of Liquidity

Historically, we have primarily financed our operations and capital expenditures through cash flow from operations. We had cash and cash equivalents of \$62.1 million as of March 31, 2023, an increase of \$5.5 million from December 31, 2022. The increase in our cash was primarily due to cash provided by operating activities of \$22.6 million and proceeds from call redemptions and maturities of marketable securities of \$7.7 million, which were partially offset by \$3.4 million for purchases of property, equipment and other capital assets, and \$21.1 million in repurchases of common stock.

We believe that our existing cash and cash equivalents together with cash generated from operations will be sufficient to meet our working capital and capital expenditure requirements for at least the next 12 months.

# Cash Flows from Operating Activities

Cash flows from operating activities were \$22.6 million during the three months ended March 31, 2023 and primarily consisted of net income of \$2.7 million, adjusted for certain non-cash items, including depreciation and amortization of \$9.4 million, stock-based compensation expense of \$3.7 million, interest on finance lease obligations of \$0.3 million and changes in operating assets and liabilities and other items totaling \$9.6 million, which were partially offset by deferred taxes of \$3.1 million. Cash flows from operating activities were \$17.8 million during the three months ended March 31, 2022 and primarily consisted of net income of \$5.1 million, adjusted for certain non-cash items, including depreciation and amortization of \$10.2 million and stock-based compensation expense of \$4.4 million, which were partially offset by changes in operating assets and liabilities and other items totaling \$1.9 million.

Cash flows from operating activities increased \$4.8 million during the three months ended March 31, 2023 compared to the same period in 2022, primarily due to increases in interest on finance lease obligations of \$0.3 million and changes in operating assets and liabilities totaling \$8.4 million, which were partially offset by decreases in net income of \$2.4 million, stock-based compensation of \$0.7 million, and depreciation and amortization of \$0.8 million.

# Cash Flows from Investing Activities

Cash provided by investing activities was \$4.4 million during the three months ended March 31, 2023, consisting of \$7.7 million in proceeds from call redemptions and maturities of marketable securities, which were partially offset by \$3.3 million for net purchases of property, equipment and other capital assets.

Cash used in investing activities was \$25.8 million during the three months ended March 31, 2022, consisting of \$22.7 million for net purchases of marketable securities and \$3.1 million for the purchases of property, equipment and other capital assets.

Cash Flows from Financing Activities

Cash used in financing activities was \$21.6 million during the three months ended March 31, 2023, consisting of \$21.1 million in repurchases of common stock, \$0.4 million in purchases of shares withheld for tax obligations associated with equity transactions, and \$0.1 million for repayments of finance lease obligations.

Cash used in financing activities was \$0.6 million during the three months ended March 31, 2022, consisting of \$0.5 million in purchases of shares withheld for tax obligations associated with equity transactions, and \$0.1 million for repayments of finance lease obligations.

# **Critical Accounting Estimates**

We have adopted various accounting policies to prepare the Consolidated Financial Statements in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP). The preparation of these financial statements requires us to make estimates, judgements and assumptions. Our significant accounting policies and estimates are disclosed in Note 2 to the Consolidated Financial Statements included Pat II, Item 8 in our Annual Report on Form 10-K for the year ended December 31, 2022. There were no material changes to our critical accounting policies and estimates during the three months ended March 31, 2023.

# **Recent Accounting Pronouncements**

For information on recent accounting pronouncements, see Note 2 to the Consolidated Financial Statements appearing in Part I, Item 1 in this Quarterly Report on Form 10-Q.

# Item 3. Quantitative and Qualitative Disclosures about Market Risk

# **Foreign Currency Risk**

As a result of our foreign operations, we have revenue, expenses, assets and liabilities that are denominated in foreign currencies. We generate revenue and incur production costs and operating expenses in British Pounds, Euros and Japanese Yen.

Our operating results and cash flows are adversely impacted when the United States Dollar appreciates relative to foreign currencies. Additionally, our operating results and cash flows are adversely impacted when the British Pound appreciates relative to the Euro. As we expand internationally, our results of operations and cash flows will become increasingly subject to changes in foreign currency exchange rates.

We have not used forward contracts or currency borrowings to hedge our exposure to foreign currency risk. Foreign currency risk can be assessed by estimating the change in results of operations or financial position resulting from a hypothetical 10% adverse change in foreign exchange rates. We believe such a change would generally not have a material impact on our financial position, but could have a material impact on our results of operations. We recognized foreign currency gains of \$0.1 million and foreign currency losses of \$0.3 million during the three months ended March 31, 2023 and 2022, respectively. The changes in foreign exchange rates had a negative impact on consolidated revenue of \$2.5 million for the three months ended March 31, 2023 as compared to the same period in 2022.

# **Item 4. Controls and Procedures**

# **Evaluation of Disclosure Controls and Procedures**

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934 (Exchange Act)) as of the end of the period covered by this report. Based upon that evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that, as of the end of the period covered by this quarterly report, our disclosure controls and procedures are effective and provide reasonable assurance that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported accurately and within the time frames specified in the SEC's rules and forms and accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

# **Changes in Internal Control over Financial Reporting**

There have been no changes in our internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) during the period covered by this report that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

# PART II. OTHER INFORMATION

# **Item 1. Legal Proceedings**

From time to time, we are subject to various legal proceedings and claims that arise in the ordinary course of our business activities. Although the results of litigation and claims cannot be predicted with certainty, as of the date of these financial statements, we do not believe we are party to any litigation the outcome of which, if determined adversely to us, would individually or in the aggregate be reasonably expected to have a material adverse effect on our business.

# **Item 1A. Risk Factors**

Part I, Item 1A. "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2022 includes a discussion of our risk factors. There have been no material changes from the risk factors described in our Form 10-K.

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

On February 9, 2017, our board of directors authorized the repurchase of shares of our common stock from time to time on the open market or in privately negotiated purchases, at an aggregate purchase price of up to \$50 million. On May 16, 2019, we announced that our board of directors approved a \$50 million increase in our authorized stock repurchase program and extended the term of the program through December 31, 2023, which increased the stock repurchase program to \$100 million. On December 8, 2021, our board of directors approved another \$50 million increase in our authorized stock repurchases authorized to \$150 million. On November 17, 2022, our board of directors approved a \$50 million increase in our authorized stock repurchase program, which increased the total repurchases authorized to \$200 million and extended the term of the program through December 31, 2024. On February 7, 2023 our board of directors approved a \$50 million increase in our authorized stock repurchase program, which increased the stock repurchase authorized to \$250 million. We have \$111.2 million remaining under this authorization. The timing and amount of any share repurchases will be determined by our management based on market conditions and other factors.

During the three months ended March 31, 2023, we repurchased 672,500 shares of our common stock at a total purchase price of \$21.1 million under this program. Common stock repurchase activity through March 31, 2023 was as follows:

	Total Number of	Av	erage Price Paid	Total Number of Shares Purchased as Part of Publicly Announced Plans	tl Pt	Taximum Dollar  Talue of Shares  Talue o
Period	<b>Shares Purchased</b>		per Share	or Programs	1	thousands) (1)
January 1, 2023 through January 31, 2023	200,000	\$	27.58	200,000	\$	76,757
February 1, 2023 through February 28, 2023	292,500	\$	32.59	292,500	\$	117,224
March 1, 2023 through March 31, 2023	180,000	\$	33.60	180,000	\$	111,176
	672,500	\$	31.37	672,500	\$	111,176

# **Item 3. Defaults Upon Senior Securities**

No matters to disclose.

# **Item 4. Mine Safety Disclosures**

No matters to disclose.

# **Item 5. Other Information**

No matters to disclose.

# Item 6. Exhibits

The following documents are filed as part of this report:

Exhibit	Description of Exhibit
Number	
3.1	Third Amended and Restated Articles of Incorporation of Proto Labs, Inc. (incorporated by reference to Exhibit 3.2 to the Company's Registration Statement on Form S-1/A, filed on
	February 13, 2012).
3.2	Articles of Amendment to Third Amended and Restated Articles of Incorporation of Proto Labs, Inc. dated May 20, 2015 (incorporated by reference to Exhibit 3.1 to the Company's
	Form 8-K, filed with the Commission on May 21, 2015).
3.3	Third Amended and Restated By-Laws of Proto Labs, Inc., as amended through November 15, 2022 (incorporated by reference to Exhibit 3.2 to the Company's Form 8-K, filed on
	November 15, 2022).
31.1	Certification of the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act*
31.2	Certification of the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act*
32.1	Certification of the Chief Executive Officer and the Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act*
101.INS	Inline XBRL Instance Document (the Instance Document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document)
101.SCH	Inline XBRL Taxonomy Extension Schema Document
101.CAL	
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

\* Filed herewith.

Date: May 5, 2023

# **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.

Proto Labs, Inc.

Date: May 5, 2023 /s/ Robert Bodor

Robert Bodor

President and Chief Executive Officer

(Principal Executive Officer)

/s/ Daniel Schumacher

Daniel Schumacher Chief Financial Officer (Principal Financial Officer)

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# CERTIFICATION PURSUANT TO RULE 13a-14(a) OR 15d-14(a) OF THE SECURITIES EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

# I, Robert Bodor, certify that:

- 1. I have reviewed this Quarterly Report on Form 10-Q of Proto Labs, Inc.;
- 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 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 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, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this 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;
- 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 the 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.

Date: May 5, 2023 By: /s/ Robert Bodor

Robert Bodor
President and Chief Executive Officer
(Principal Executive Officer)

# CERTIFICATION PURSUANT TO RULE 13a-14(a) OR 15d-14(a) OF THE SECURITIES EXCHANGE ACT OF 1934, AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

# I, Daniel Schumacher, certify that:

- 1. I have reviewed this Quarterly Report on Form 10-Q of Proto Labs, Inc.;
- 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 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 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, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this 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;
- 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 the 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.

Date: May 5, 2023 By: /s/ Daniel Schumacher

Daniel Schumacher Chief Financial Officer (Principal Financial Officer)

# CERTIFICATION OF CHIEF EXECUTIVE OFFICER AND CHIEF FINANCIAL OFFICER PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO

# SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

I, Robert Bodor, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Quarterly Report of Proto Labs, Inc. on Form 10-Q for the fiscal quarter ended March 31, 2023 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that information contained in such Quarterly Report on Form 10-Q fairly presents in all material respects the financial condition and results of operations of Proto Labs, Inc.

Date: May 5, 2023

By: /s/ Robert Bodor

Name: Robert Bodor

Title: President and Chief Executive Officer

I, Daniel Schumacher, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Quarterly Report of Proto Labs, Inc. on Form 10-Q for the fiscal quarter ended March 31, 2023 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that information contained in such Quarterly Report on Form 10-Q fairly presents in all material respects the financial condition and results of operations of Proto Labs, Inc.

Date: May 5, 2023

By: /s/ Daniel Schumacher

Name: Daniel Schumacher Title: Chief Financial Officer