UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported): November 8, 2023

PDF SOLUTIONS, INC.

(Exact name of registrant as specified in its charter)

000-31311 (Commission File Number)

Delaware (State or Other Jurisdiction of Incorporation)

25-1701361 (I.R.S. Employer Identification No.)

2858 De La Cruz Boulevard Santa Clara, CA 95050

(Address of principal executive offices, with zip code)

(408) 280-7900

(Registrant's telephone number, including area code)

	Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:							
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)							
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)							
	Pre-commencement communications pur	suant to Rule 14d-2(b) under t	the Exchange Act (17 CFR 240.14d-2(b))					
	Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))							
Securities registered pursuant to Section 12(b) of the Exchange Act:								
	Title of each class	Trading Symbol(s)	Name of each exchange on which registered					
	Common Stock \$0,00015 par value	PDFS	The NASDAO Stock Market LLC					

Common Stock, \$0.00015 par value	PDFS	The NASDAQ Stock Market LLC						
Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Ac of 1933 or Rule 12b-2 of the Securities Exchange Act of 1934.								
Emerging growth company \square								
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. \Box								

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Item 2.02. Results of Operations and Financial Condition.

On November 8, 2023, PDF Solutions (the "<u>Company</u>") issued a press release regarding its financial results and certain other information related to the third quarter ended September 30, 2023. The Company also posted on the Investors section of its website (<u>www.pdf.com</u>) a management report with regard to the third quarter ended September 30, 2023. Copies of the press release and management report are attached to this report as Exhibits 99.1 and 99.2, respectively. Information on the website is not, and will not be deemed, a part of this report or incorporated into any other filings the Company makes with the Securities and Exchange Commission.

The information in this Item 2.02, including Exhibits 99.1 and 99.2, is being furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities under that Section, and shall not be deemed incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
99.1	Press Release dated November 8, 2023, regarding financial results and certain other information related to the third quarter ended September 30, 2023.
99.2	Management Report by PDF Solutions, Inc. as of November 8, 2023.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

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 hereunto duly authorized.

PDF SOLUTIONS, INC. (Registrant)

By: /s/ Adnan Raza

Adnan Raza

EVP, Finance, and Chief Financial Officer (principal

financial and accounting officer)

Dated: November 8, 2023

News Release

Company Contacts:

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PDF Solutions® Reports Third Quarter 2023 Results

Santa Clara, CA, November 8, 2023, – PDF Solutions, Inc. (Nasdaq: PDFS), a leading provider of comprehensive data solutions for the semiconductor ecosystem, today announced financial results for its third quarter ended September 30, 2023.

Financial Highlights of Third Quarter 2023

- Record quarterly revenues of \$42.4 million, up 6% over last year's comparable quarter
- Analytics revenues of \$39.5 million, up 20% over last year's comparable quarter
- GAAP gross margin of 66% and Non-GAAP gross margin of 70%
- GAAP diluted loss per share of (\$0.13) and non-GAAP diluted earnings per share of \$0.20
- Cash, cash equivalents and short-term investments of \$135.4 million

Total revenues for the third quarter of 2023 were \$42.4 million, compared to \$41.6 million for the second quarter of 2023 and \$39.9 million for the third quarter of 2022. Analytics revenue for the third quarter of 2023 was \$39.5 million, compared to \$37.1 million for the second quarter of 2023 and \$32.9 million for the third quarter of 2022. Integrated Yield Ramp revenue for the third quarter of 2023 was \$2.9 million, compared to \$4.5 million for the second quarter of 2023 and \$7.0 million for the third quarter of 2022.

GAAP gross margin for the third quarter of 2023 was 66%, compared to 70% for the second quarter of 2023 and 69% for the third quarter of 2022.

Non-GAAP gross margin for the third quarter of 2023 was 70%, compared to 74% for the second quarter of 2023 and 72% for the third quarter of 2022.

On a GAAP basis, net loss for the third quarter of 2023 was \$5.0 million, or (\$0.13) per diluted share, compared to a net income of \$6.8 million, or \$0.17 per diluted share, for the second quarter of 2023, and a net income of \$1.4 million, or \$0.04 per diluted share, for the third quarter of 2022.

Non-GAAP net income for the third quarter of 2023 was \$8.0 million, or \$0.20 per diluted share, compared to a non-GAAP net income of \$7.5 million, or \$0.19 per diluted share, for the second quarter of 2023, and non-GAAP net income of \$7.6 million, or \$0.20 per diluted share, for the third quarter of 2022.

Cash, cash equivalents and short-term investments as of September 30, 2023 were \$135.4 million.

Recent Events and Financial Outlook

"We are thankful to Intel, GF, Analog Devices, Renesas, Advantest, STMicroelectronics, Multibeam, SAP, and others, for their presentations at our Users Conference in October," said John Kibarian, CEO and President.

The Company continues to expect that its 2023 revenue growth rate will be in the lower double digits on a year-over-year percentage basis.

PDF Solutions® Reports Third Quarter 2023 Results

Conference Call

As previously announced, PDF Solutions will discuss these results on a live conference call beginning at 2:00 p.m. Pacific Time / 5:00 p.m. Eastern Time today. To participate on the live call, analysts and investors should pre-register at: https://register.vevent.com/register/BI972cdaef0a1543a1b43de39379d86f0c. Registrants will receive dial-in information and a unique passcode to access the call. We encourage participants to dial-in into the call ten minutes ahead of scheduled time. The teleconference will also be webcast simultaneously on the Company's website at https://ir.pdf.com/webcasts. A replay of the conference call webcast will be available after the call on the Company's investor relations website. A copy of this press release, including the disclosure and reconciliation of certain non-GAAP financial measures to the comparable GAAP measures, which non-GAAP measures may be used periodically by PDF Solutions' management when discussing financial results with investors and analysts, will also be available on PDF Solutions' website at http://www.pdf.com/press-releases following the date of this release.

Third Quarter 2023 Financial Commentary Available Online

A Management Report reviewing the Company's third quarter 2023 financial results will be furnished to the Securities and Exchange Commission on Form 8-K and published on the Company's website at http://ir.pdf.com/financial-reports. Analysts and investors are encouraged to review this commentary prior to participating in the conference call.

Information Regarding Use of Non-GAAP Financial Measures

In addition to providing results that are determined in accordance with Generally Accepted Accounting Principles in the United States of America (GAAP), PDF Solutions also provides certain non-GAAP financial measures. Non-GAAP gross profit and margin exclude stock-based compensation expense and the amortization of acquired technology. Non-GAAP net income excludes the effects of certain non-recurring items, expenses related to an arbitration proceeding for a disputed contract with a customer, stock-based compensation expense, amortization of acquired technology and other acquired intangible assets, acquisition-related costs, proceeds from sale of previously written-off property and equipment and their related income tax effects, as applicable, as well as adjustments for the valuation allowance for deferred tax assets. These non-GAAP financial measures are used by management internally to measure the Company's profitability and performance. PDF Solutions' management believes that these non-GAAP measures provide useful supplemental information to investors regarding the Company's ongoing operations in light of the fact that none of these categories of expense has a current effect on the future uses of cash (with the exception of expenses related to an arbitration proceeding for a disputed contract with a customer and acquisition-related costs) nor do they impact the generation of current or future revenues. These non-GAAP results should not be considered an alternative to, or a substitute for, GAAP financial information, and may differ from similarly titled non-GAAP measures used by other companies. In particular, these non-GAAP financial measures are not a substitute for GAAP measures of income or loss as a measure of performance, or to cash flows from operating, investing and financing activities as a measure of liquidity. Since management uses these non-GAAP financial measures internally to measure profitability and performance, PDF Solutions has included these non-GAAP measures to give investors an opportunity to see the Company's financial results as viewed by management. A reconciliation of the comparable GAAP financial measures to the non-GAAP financial measures is provided at the end of the Company's condensed consolidated financial statements presented below.

Forward-Looking Statements

The press release and the planned conference call include forward-looking statements regarding the Company's future expected business performance and financial results, including expectations about total revenue growth for 2023, that are subject to future events and circumstances. Actual results could differ materially from those expressed in these forward-looking statements. Risks and uncertainties that could cause results to differ materially include, but are not limited to, risks associated with: expectations about the effectiveness of our business and technology strategies; expectations regarding recent and future acquisitions; current semiconductor industry trends; expectations of continued adoption of the Company's solutions by new and existing customers; project milestones or delays and performance criteria achieved; cost and schedule of new product development; the impact of global economic trends and rising inflation and interest rates; the provision of technology and services prior to the execution of a final contract; supply chain disruptions; the success of the Company's strategic growth opportunities and partnerships; the Company's ability to successfully integrate acquired businesses and technologies; whether the Company can successfully convert backlog into revenue; customers' production volumes under contracts that provide Gainshare royalties; possible impacts from the evolving trade regulatory environment and geopolitical tensions; our ability to obtain additional financing if needed; and other risks set forth in PDF Solutions' periodic public filings with the Securities and Exchange Commission, including, without limitation, its Annual Report on Form 10-K for the year ended December 31, 2022, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K and amendments to such reports. The forward-looking statements made in the conference call are made as of the date hereof, and PDF Solutions does not assume any obligation to update such statements nor the reasons why actual results could differ materially from those projected in such statements.

About PDF Solutions

PDF Solutions (NASDAQ: PDFS) provides comprehensive data solutions designed to empower organizations across the semiconductor ecosystem to improve the yield and quality of their products and operational efficiency for increased profitability. The Company's products and services are used by Fortune 500 companies across the semiconductor ecosystem to achieve smart manufacturing goals by connecting and controlling equipment, collecting data generated during manufacturing and test operations, and performing advanced analytics and machine learning to enable profitable, high-volume manufacturing.

Founded in 1991, PDF Solutions is headquartered in Santa Clara, California, with operations across North America, Europe, and Asia. The Company (directly or through one or more subsidiaries) is an active member of SEMI, INEMI, TPCA, IPC, the OPC Foundation, and DMDII. For the latest news and information about PDF Solutions or to find office locations, visit https://www.pdf.com.

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PDF SOLUTIONS, INC. CONDENSED CONSOLIDATED BALANCE SHEETS (UNAUDITED) (In thousands)

	Sep:	tember 30, 2023	Dec	cember 31, 2022
ASSETS				
Current assets:				
Cash and cash equivalents	\$	111,620	\$	119,624
Short-term investments		23,744		19,557
Accounts receivable, net		40,959		42,164
Prepaid expenses and other current assets		18,001		12,063
Total current assets		194,324		193,408
Property and equipment, net		37,833		40,174
Operating lease right-of-use assets, net		5,069		6,002
Goodwill		15,008		14,123
Intangible assets, net		16,486		18,055
Deferred tax assets, net		32		64
Other non-current assets		13,701		6,845
Total assets	\$	282,453	\$	278,671
LIABILITIES AND STOCKHOLDERS' EQUITY Current liabilities:				
Accounts payable	\$	2,633	\$	6,388
Accrued compensation and related benefits	Ψ	11,502	Ψ	16,948
Accrued and other current liabilities		4,772		5,581
Operating lease liabilities – current portion		1,504		1,412
Deferred revenues – current portion		29,267		26,019
Billings in excess of recognized revenues		240		1,852
Total current liabilities		49,918		58,200
Long-term income taxes payable		2,820		2,622
Non-current operating lease liabilities		4,922		5,932
Other non-current liabilities		3,229		1,905
Total liabilities		60,889		68,659
				11,111
Stockholders' equity:				
Common stock and additional paid-in-capital		467,310		447,421
Treasury stock at cost		(143,587)		(133,709)
Accumulated deficit		(98,932)		(101,150)
Accumulated other comprehensive loss		(3,227)		(2,550)
Total stockholders' equity		221,564		210,012
Total liabilities and stockholders' equity	\$	282,453	\$	278,671

PDF SOLUTIONS, INC. CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED) (In thousands, except per share amounts)

	Three months ended					Nine months ended			
	Sep	tember 30, 2023	June 30, 2023	Sep	tember 30, 2022	Sej	2023	Sep	tember 30, 2022
Revenues:									
Analytics	\$	39,497	\$ 37,134	\$	32,879	\$	112,957	\$	94,422
Integrated yield ramp		2,853	4,467		6,981		11,753		13,604
Total revenues		42,350	41,601		39,860		124,710		108,026
Costs and Expenses:									
Costs of revenues		14,282	12,369		12,545		38,555		36,116
Research and development		13,113	12,264		14,303		38,428		41,766
Selling, general, and administrative		15,611	14,766		12,005		46,022		32,614
Amortization of acquired intangible assets		328	326		318		979		946
Interest and other expense (income), net		(2,018)	(1,071)		(1,511)		(4,000)		(2,812)
Income (loss) before income tax benefit (expense)		1,034	2,947		2,200		4,726		(604)
Income tax benefit (expense)		(6,006)	3,888		(815)		(2,508)		(3,308)
Net income (loss)	\$	(4,972)	\$ 6,835	\$	1,385	\$	2,218	\$	(3,912)
Net income (loss) per share:									
Basic	\$	(0.13)	\$ 0.18	\$	0.04	\$	0.06	\$	(0.10)
Diluted	\$	(0.13)	\$ 0.17	\$	0.04	\$	0.06	\$	(0.10)
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Weighted average common shares used to calculate net income (loss) per share:									
Basic		38,187	37,859		37,226		37,930		37,285
Diluted		38,187	39,076		38,054		38,977		37,285

PDF SOLUTIONS, INC. RECONCILIATION OF GAAP GROSS MARGIN TO NON-GAAP GROSS MARGIN (UNAUDITED) (In thousands)

		Thre	e months e	Nine months ended					
	Sept	ember 30, 2023	June 30, 2023	Sej	ptember 30, 2022	Sej	ptember 30, 2023	Sep	otember 30, 2022
GAAP									
Total revenues	\$	42,350	\$ 41,601	\$	39,860	\$	124,710	\$	108,026
Costs of revenues		14,282	12,369		12,545		38,555		36,116
GAAP gross profit	\$	28,068	\$ 29,232	\$	27,315	\$	86,155	\$	71,910
GAAP gross margin		66 %	70 %	%	69 %	_	69 %		67 %
Non-GAAP									
GAAP gross profit	\$	28,068	\$ 29,232	\$	27,315	\$	86,155	\$	71,910
Adjustments to reconcile GAAP to non-GAAP gross margin:									
Stock-based compensation expense		1,120	938		854		3,022		2,237
Amortization of acquired technology		574	553		553		1,680		1,660
Non-GAAP gross profit	\$	29,762	\$ 30,723	\$	28,722	\$	90,857	\$	75,807
Non-GAAP gross margin		70 %	74 9	%	72 %		73 %		70 %

PDF SOLUTIONS, INC. RECONCILIATION OF GAAP NET INCOME (LOSS) TO NON-GAAP NET INCOME (UNAUDITED) (In thousands, except per share amounts)

	Three months ended				Nine months ended				
	Sep	tember 30, 2023	June 30, 2023	Sep	otember 30, 2022	Sep	otember 30, 2023	Sep	otember 30, 2022
GAAP net income (loss)	\$	(4,972)	\$ 6,835	\$	1,385	\$	2,218	\$	(3,912)
Adjustments to reconcile GAAP net income (loss)									
to non-GAAP net income:		- 000	4.0=0		- 100				= 0.
Stock-based compensation expense		5,999	4,678		5,136		15,561		14,561
Amortization of acquired technology under									
costs of revenues		574	553		553		1,680		1,660
Amortization of other acquired intangible assets		328	326		318		979		945
Expenses of arbitration (1)		226	166		556		2,525		1,043
Acquisition-related costs (2)		33	176		_		209		
Proceeds from sale of previously written-off									
property and equipment		(105)	_		_		(105)		_
Tax impact of valuation allowance for deferred									
tax assets and reconciling items (3)		5,904	(5,238)		(373)		(314)		1,228
Non-GAAP net income	\$	7,987	\$ 7,496	\$	7,575	\$	22,753	\$	15,525
			· <u> </u>						
GAAP net income (loss) per diluted share	\$	(0.13)	\$ 0.17	\$	0.04	\$	0.06	\$	(0.10)
Non-GAAP net income per diluted share	\$	0.20	\$ 0.19	\$	0.20	\$	0.58	\$	0.41
						-			
Weighted average common shares used in GAAP									
net income (loss) per diluted share calculation		38,187	39,076		38,054		38,977		37,285
Weighted average common shares used in non-				_					
GAAP net income per diluted share calculation	_	38,992	39,076	_	38,054		38,977		38,082

Represents expenses related to an arbitration proceeding over a disputed customer contract, which expenses are expected to continue until
the arbitration is resolved.

⁽²⁾ Acquisition-related costs are incremental expenses related to business or asset acquisition transaction(s). These expenses may include consulting, legal and other fees. For the three and nine months ended September 30, 2023, the charges were related to the acquisition of Lantern Machinery Analytics, Inc.

⁽³⁾ The difference between the GAAP and non-GAAP income tax provisions is primarily due to the valuation allowance on a GAAP basis and non-GAAP adjustments. For example, on a GAAP basis, the Company does not receive a deferred tax benefit for foreign tax credits or research and development credits after the valuation allowance. The Company's non-GAAP tax rate and resulting non-GAAP tax expense is not calculated with a full U.S. federal or state valuation allowance due to the Company's cumulative non-GAAP income and management's conclusion that it is more likely than not to utilize its net deferred tax assets (DTAs). Each reporting period, management evaluates the need for a valuation allowance and may place a valuation allowance against its U.S. net DTAs on a non-GAAP basis if it concludes it is more likely than not that it will not be able to utilize some or all of its U.S. DTAs on a non-GAAP basis.

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Q3 2023 Management Report November 8, 2023

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Q3 2023 Results

- Overview
- Key Financial & Operating Metrics
- Revenue by Geographic Area

Q3 2023 Non-GAAP Results

- Reconciliation of GAAP Net Income (Loss) to Non-GAAP Net Income
- Reconciliation of GAAP to Non-GAAP Spending by Function

Related Information

The following commentary is provided by management and should be referenced in conjunction with PDF Solutions' Third Quarter 2023 financial results press release available on its Investor Relations website at http://www.pdf.com/financial-news. These remarks represent management's current views of the Company's financial and operational performance and are provided to give investors and analysts further insight into its performance in advance of the earnings call webcast. The Company disclaims any duty to update this information for future events.

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PDF Solutions Reports Third Quarter 2023 Results

Q3 2023 Key Metrics

Revenue: \$42.4M

GAAP Gross Margin: 66%

Non-GAAP Gross Margin: 70%

GAAP Diluted EPS: (\$0.13)

Non-GAAP Diluted EPS: \$0.20

Operating Cash Flow: \$19.2M

Cash Used for Capital Expenditures: \$2.9M

FINANCIAL RESULTS SUMMARY

- Q3 2023 Total revenues of \$42.4M, up 2% over Q2 2023, and up 6% over Q3 2022.
- Q3 2023 Analytics revenue of \$39.5M, up 6% over Q2 2023, and up 20% over Q3 2022.
- Q3 2023 Integrated yield ramp revenue of \$2.9M, down 36% over Q2 2023, and down 59% over Q3 2022.

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Key Financial & Operating Metrics - Quarterly

(in thousands, except share data, which is in millions, and percentages)

	Q3'23	Q2'23	Q1'23	Q4'22	Q3'22
Revenues	\$ 42,350	\$ 41,601	\$ 40,759	\$ 40,523	\$ 39,860
GAAP Gross Margin	66%	70%	71%	71%	69%
Non-GAAP Gross Margin	70%	74%	75%	74%	72%
Outstanding Debt	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Cash Flow	\$ 19,186	(\$ 5,633)	(\$ 982)	\$ 24,275	\$ 1,403
Cash Used for Capital Expenditures (CAPEX)	\$ 2,916	\$ 3,099	\$ 2,902	\$ 1,725	\$ 2,118
\$ Shares Repurchased	\$ 743	\$ -	\$ -	\$ -	\$ -
Weighted Average Common Shares Outstanding	38.2	37.9	37.7	37.4	37.2
Effective Tax Rate Expense (Benefit)	581%	(132)%	52%	55%	37%

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Key Financial & Operating Metrics - Year to Date

(in thousands, except share data, which is in millions, and percentages)

Nine Months Ended September 30,

	2023	2022	2021
Revenues	\$ 124,710	\$ 108,026	\$ 81,174
GAAP Gross Margin	69%	67%	60%
Non-GAAP Gross Margin	73%	70%	64%
Outstanding Debt	\$ -	\$ -	\$ -
Operating Cash Flow	\$ 12,571	\$ 8,023	\$ 3,827
Cash Used for CAPEX	\$ 8,917	\$ 6,705	\$ 2,713
\$ Shares Repurchased	\$ 743	\$ 22,471	\$ 4,523
Weighted Average Common Shares Outstanding	37.9	37.3	37.1
Effective Tax Rate Expense	53%	548%	12%

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Revenue by Geographic Area - Quarterly

(Dollars in thousands)

	Q3'23	Q2'23	Q1'23	Q4'22	Q3'22
United States	\$ 24,477	\$ 22,339	\$ 23,274	\$ 20,756	\$ 18,292
% of Total	58%	54%	57%	51%	46%
China	\$ 7,549	\$ 7,421	\$ 6,956	\$ 6,280	\$ 9,555
% of Total	18%	18%	17%	16%	24%
Rest of the world	\$ 10,324	\$ 11,841	\$ 10,529	\$ 13,487	\$ 12,013
% of Total	24%	28%	26%	33%	30%
Total revenues	\$ 42,350	\$ 41,601	\$ 40,759	\$ 40,523	\$ 39,860

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Revenue by Geographic Area - Year to Date

(Dollars in thousands)

United States	
% of Total	
China	
% of Total	
Rest of the world	
% of Total	
Total revenues	

Nine Months Ended September 30,								
2023	2022	2021						
\$ 70,090	\$ 52,869	\$ 34,634						
56%	49%	43%						
\$ 21,927	\$ 18,214	\$ 10,065						
18%	17%	12%						
\$ 32,693	\$ 36,943	\$ 36,475						
26%	34%	45%						
\$ 124,710	\$ 108,026	\$ 81,174						

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GAAP / Non-GAAP Presentation

In addition to providing results that are determined in accordance with Generally Accepted Accounting Principles in the United States of America (GAAP), the Company also provides certain non-GAAP financial measures. Non-GAAP gross profit excludes stock-based compensation expense and the amortization of acquired technology. Non-GAAP net income excludes the effects of certain non-recurring items, expenses related to an arbitration proceeding for a disputed customer contract, acquisition-related costs, stock-based compensation expense, amortization of acquired technology and other acquired intangible assets, proceeds from sale of previously writtenoff property and equipment and their related income tax effects, as applicable, as well as adjustments for the valuation allowance for deferred tax assets. These non-GAAP financial measures are used by management internally to measure the Company's profitability and performance. PDF Solutions' management believes that these non-GAAP measures provide useful supplemental measures to investors regarding the Company's ongoing operations in light of the fact that none of these categories of expense has a current effect on the future uses of cash (with the exception of expenses related to an arbitration proceeding for a disputed customer contract, and acquisition related costs) nor do they impact the generation of current or future revenues. These non-GAAP results should not be considered an alternative to, or a substitute for, GAAP financial information, and may be different from similarly titled non-GAAP measures used by other companies. In particular, these non-GAAP financial measures are not a substitute for GAAP measures of income or loss as a measure of performance, or to cash flows from operating, investing and financing activities as a measure of liquidity. Management uses these non-GAAP financial measures internally to measure profitability and performance; these non-GAAP measures are presented here to give investors an opportunity to see the Company's financial results as viewed by management. A detailed reconciliation of the adjustments made to comparable GAAP measures is included herein.

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Reconciliation of GAAP Net Income (Loss) to Non-GAAP Net Income

Quarterly

(in thousands, except for per share amounts)

	Q3'23	Q2'23	Q1'23	Q4'22	Q3'22
GAAP net income (loss) Adjustments to reconcile GAAP net income (loss) to non-GAAP net income:	(\$ 4,972)	\$ 6,835	\$ 355	\$ 483	\$ 1,385
Stock-based compensation expense	5,999	4,678	4,884	5,088	5,136
Amortization of acquired technology	574	553	553	553	553
Amortization of other acquired intangible assets	328	326	325	325	318
Expenses of arbitration (1)	226	166	2,133	852	556
Acquisition-related costs (2) Proceeds from sale of previously written-off property and equipment	33 (105)	176 —	_	_	_
Tax impact of valuation allowance for deferred tax assets and reconciling items (3)	5,904	(5,238)	(980)	98	(373)
Non-GAAP net income	\$ 7,987	\$ 7,496	\$ 7,270	\$ 7,399	\$ 7,575
GAAP net income (loss) per diluted share	(\$ 0.13)	\$ 0.17	\$ 0.01	\$ 0.01	\$ 0.04
Non-GAAP net income per diluted share	\$ 0.20	\$ 0.19	\$ 0.19	\$ 0.19	\$ 0.20
Weighted average common shares used in GAAP net income (loss) per diluted share calculation	38,187	39,076	38,859	38,276	38,054
Weighted average common shares used in Non-GAAP net income per diluted share calculation	38,992	39,076	38,859	38,276	38,054

⁽¹⁾ Represents expenses related to an arbitration proceeding over a disputed customer contract, which expenses are expected to continue until the arbitration is resolved.



⁽²⁾ Acquisition-related costs are incremental expenses related to a business or asset acquisition transaction(s). These expenses may include consulting, legal and other fees. For the three months ended September 30, 2023, and June 30, 2023, the charges were related to the acquisition of Lantern Machinery Analytics, Inc.

⁽³⁾ The difference between the GAAP and non-GAAP income tax provisions is primarily due to the valuation allowance on a GAAP basis and non-GAAP adjustments. For example, on a GAAP basis, the Company does not receive a deferred tax benefit for foreign tax credits or research and development credits after the valuation allowance. The Company's non-GAAP tax rate and resulting non-GAAP tax expense is not calculated with a full U.S. federal or state valuation allowance due to the Company's cumulative non-GAAP income and management's conclusion that it is more likely than not to utilize its net deferred tax assets (DTAs). Each reporting period, management evaluates the need for a valuation allowance and may place a valuation allowance against its U.S. net DTAs on a non-GAAP basis if it concludes it is more likely than not that it will not be able to utilize some or all of its US DTAs on a non-GAAP basis.

Reconciliation of GAAP Net Income (Loss) to Non-GAAP Net Income

Year to Date

(in thousands, except for per share amounts)

Nine Months Ended September 30,

	Time mericie Znasa coptomizer co,			
	2023	2022	2021	
GAAP net income (loss)	\$ 2,218	(\$ 3,912)	(\$ 14,488)	
Adjustments to reconcile GAAP net income (loss) to non-GAAP net income:				
Stock-based compensation expense	15,561	14,561	9,474	
Amortization of acquired technology	1,680	1,660	1,525	
Amortization of other acquired intangible assets	979	945	942	
Expenses of arbitration (1)	2,525	1,043	1,194	
Acquisition-related costs (2)	209	_	_	
Proceeds from sale of previously written-off property and equipment Tax impact of valuation allowance for deferred tax assets and reconciling items (3)	(105)			
	(314)	1,228	1,552	
Non-GAAP net income	\$ 22,753	\$ 15,525	\$ 199	
GAAP net income (loss) per diluted share	\$ 0.06	(\$ 0.10)	(\$ 0.39)	
Non-GAAP net income per diluted share Weighted average common shares used in GAAP net income (loss) per diluted share calculation Weighted average common shares used in Non-GAAP net income per diluted share calculation	\$ 0.58	\$ 0.41	\$ 0.01	
	38,977	37,285	37,067	
	38,977	38,082	37,723	

⁽¹⁾ Represents expenses related to an arbitration proceeding over a disputed customer contract, which expenses are expected to continue until the arbitration is resolved.

⁽³⁾ The difference between the GAAP and non-GAAP income tax provisions is primarily due to the valuation allowance on a GAAP basis and non-GAAP adjustments. For example, on a GAAP basis, the Company does not receive a deferred tax benefit for foreign tax credits or research and development credits after the valuation allowance. The Company's non-GAAP tax rate and resulting non-GAAP tax expense is not calculated with a full U.S. federal or state valuation allowance due to the Company's cumulative non-GAAP income and management's conclusion that it is more likely than not to utilize its net deferred tax assets (DTAs). Each reporting period, management evaluates the need for a valuation allowance and may place a valuation allowance against its U.S. net DTAs on a non-GAAP basis if it concludes it is more likely than not that it will not be able to utilize some or all of its US DTAs on a non-GAAP basis.



⁽²⁾ Acquisition-related costs are incremental expenses related to the business or asset acquisition transaction(s). These expenses may include consulting, legal and other fees. For the nine months ended September 30, 2023, the charges were related to the acquisition of Lantern Machinery Analytics. Inc.

Reconciliation of GAAP to Non-GAAP Spending by Function

Quarterly

(in thousands)

	Q3'23	Q2'23	Q1'23	Q4'22	Q3'22
Cost of Revenue - GAAP	\$ 14,282	\$ 12,369	\$ 11,904	\$ 11,791	\$ 12,545
Adjustments to reconcile GAAP Cost of Revenue to Non-GAAP Cost of Revenue:					
Stock-based compensation expense	(1,120)	(938)	(964)	(737)	(854)
Amortization of acquired technology	(574)	(553)	(553)	(553)	(553)
Cost of Revenue - Non-GAAP	\$ 12,588	\$ 10,878	\$ 10,387	\$ 10,501	\$ 11,138
Research & Development - GAAP	\$ 13,113	\$ 12,264	\$ 13,051	\$ 14,360	\$ 14,303
Adjustments to reconcile GAAP R&D to Non-GAAP R&D:					
Stock-based compensation expense	(2,196)	(1,619)	(1,794)	(2,233)	(2,180)
Research & Development - Non-GAAP	\$ 10,917	\$ 10,645	\$ 11,257	\$ 12,127	\$ 12,123
Selling, General, & Administrative - GAAP	\$ 15,611	\$ 14,766	\$ 15,645	\$ 12,724	\$ 12,005
Adjustment to reconcile GAAP SG&A to Non-GAAP SG&A:					
Stock-based compensation expense	(2,683)	(2,121)	(2,126)	(2,118)	(2,102)
Expenses of arbitration (1)	(226)	(166)	(2,133)	(852)	(556)
Acquisition-related costs (2)	(33)	(176)	_	_	_
Selling, General, & Administrative - Non-GAAP	\$ 12,669	\$ 12,303	\$ 11,386	\$ 9,754	\$ 9,347

⁽¹⁾ Represents expenses related to an arbitration proceeding over a disputed contract with a customer, which expenses are expected to continue until the arbitration is resolved.



⁽²⁾ Acquisition-related costs are incremental expenses related to a business or asset acquisition transaction(s). These expenses may include consulting, legal and other fees. For the three months ended September 30, 2023, the charges were related to the acquisition of Lantern Machinery Analytics, Inc.

Reconciliation of GAAP to Non-GAAP Spending by Function

Year to Date

(in thousands)

	Nine Months Ended September 30,			
	2023	2022	2021	
Cost of Revenue - GAAP	\$ 38,555	\$ 36,116	\$ 32,518	
Adjustments to reconcile GAAP Cost of Revenue to Non-GAAP Cost of Revenue:				
Stock-based compensation expense	(3,022)	(2,237)	(1,860)	
Amortization of acquired technology	(1,680)	(1,660)	(1,525)	
Cost of Revenue - Non-GAAP	\$ 33,853	\$ 32,219	\$ 29,133	
Research & Development - GAAP	\$ 38,428	\$ 41,766	\$ 32,562	
Adjustments to reconcile GAAP R&D to Non-GAAP R&D:				
Stock-based compensation expense	(5,609)	(7,158)	(4,013)	
Research & Development - Non-GAAP	\$ 32,819	\$ 34,608	\$ 28,549	
Selling, General, & Administrative - GAAP	\$ 46,022	\$ 32,614	\$ 28,482	
Adjustment to reconcile GAAP SG&A to Non-GAAP SG&A:				
Stock-based compensation expense	(6,930)	(5,166)	(3,601)	
Expenses of arbitration (1)	(2,525)	(1,043)	(1,194)	
Acquisition-related costs (2)	(209)	_	_	
Selling, General, & Administrative - Non-GAAP	\$ 36,358	\$ 26,405	\$ 23,687	

⁽¹⁾ Represents expenses related to an arbitration proceeding over a disputed contract with a customer, which expenses are expected to continue until the arbitration is resolved.

⁽²⁾ Acquisition-related costs are incremental expenses related to a business or asset acquisition transaction(s). These expenses may include consulting, legal and other fees. For the nine months ended September 30, 2023, the charges were related to the acquisition of Lantern Machinery Analytics, Inc.

