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): May 6, 2019

KLA-TENCOR CORPORATION (Exact name of registrant as specified in its charter) 000-09992 04-2564110 Delaware (I.R.S. Employer Identification No.) (State or other jurisdiction of incorporation) (Commission File Number) One Technology Drive, Milpitas, California 95035 (Address of principal executive offices) (Zip Code) Registrant's telephone number, including area code: (408) 875-3000 (Former name or former address, if changed since last report) 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 pursuant to Rule 14d-2(b) under 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)) Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter). Emerging growth company □ 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. Securities registered pursuant to Section 12(b) of the Act: Title of each class Trading Symbol(s) Name of each exchange on which registered

KLAC

The Nasdaq Stock Market, LLC The Nasdaq Global Select Market

Common Stock, \$0.001 par value per share

Item 2.02 Results of Operations and Financial Condition.

On May 6, 2019, KLA-Tencor Corporation (the "Company") issued a press release announcing selected financial and operating results for its third quarter of fiscal year 2019. A copy of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K.

The information in Item 2.02 of this Current Report on Form 8-K and the exhibit attached hereto 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, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, regardless of any general incorporation language in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

The following exhibit is filed herewith:

Exhibit No. Description

99.1 Text of press release dated May 6, 2019 issued by KLA-Tencor Corporation

SIGNATURES

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

KLA-TENCOR CORPORATION

Date: May 6, 2019 By: /s/ TERI A. LITTLE

Name: Teri A. Little

Title: Executive Vice President and Chief Legal Officer

FOR IMMEDIATE RELEASE

Investor Relations:

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KLA-TENCOR REPORTS FISCAL 2019 THIRD QUARTER RESULTS

- Revenue of \$1,097
- Quarterly revenue at the upper end of the range of updated guidance
- Non-GAAP EPS above the range of updated guidance
- Closed Orbotech acquisition on February 20 with integration activities underway

MILPITAS, Calif., May 6, 2019 -KLA-Tencor Corporation (NASDAQ: KLAC) today announced operating results for itsthird quarter of fiscal year 2019, which ended on March 31, 2019, and reported GAAP net income attributable to KLA-Tencor of \$193 million and GAAP earnings per diluted share attributable to KLA-Tencor of \$1.23 on revenues of \$1,097 million.

"KLA delivered strong results for the March quarter, finishing at the upper end or above the range of guidance for revenue, and GAAP and non-GAAP EPS," commented Rick Wallace, president and CEO of KLA. "We achieved these results despite the challenging near-term demand environment, showcasing the resiliency of KLA's business model, and the compelling value of our strategies focused on revenue diversification and operations excellence."

"On February 20, we closed the merger with Orbotech, expanding our reach in the electronics value chain, opening \$2 billion of new market opportunity to KLA, and enhancing our ability to serve new and existing customers who are exposed to fast-growing end markets, such as 5G infrastructure, smart mobile, and automotive," continued Mr. Wallace. "Looking forward, we see extraordinary potential with this combination, including new opportunities for enhanced product offerings and meaningful cost synergies expected within the first 12-24 months."

GAAP Results							
	Q3 FY 2019	Q2 FY 2019	Q3 FY 2018				
Revenues	\$1,097 million	\$1,120 million	\$1,021 million				
Net Income Attributable to KLA-Tencor	\$193 million	\$369 million	\$307 million				
Earnings per Diluted Share Attributable to KLA-Tencor	\$1.23	\$2.42	\$1.95				

Non-GAAP Results							
	Q3 FY 2019	Q2 FY 2019	Q3 FY 2018				
Net Income Attributable to KLA-Tencor	\$283 million	\$372 million	\$318 million				
Earnings per Diluted Share Attributable to KLA-Tencor	\$1.80	\$2.44	\$2.02				

Effective on the first day of fiscal 2019, the Company adopted Accounting Standards Update 2014-09, Revenue from Contracts with Customers ("ASC 606"). Prior periods were not retrospectively restated, and accordingly, the condensed consolidated unaudited balance sheet as of June 30, 2018, and the condensed consolidated unaudited statements of operations for the three and nine months ended March 31, 2018 and cash flows for the three months ended March 31, 2018 were prepared using accounting standards that were different than those in effect for the three and nine months ended March 31, 2019.

A reconciliation between GAAP operating results and non-GAAP operating results is provided following the financial statements included in this release. Non-GAAP results include the impact of recurring stock-based compensation, but exclude the impact of acquisitions or pending acquisitions, restructuring, severance, merger and other related charges and certain discrete tax items. KLA will discuss the results for its fiscal year 2019 third quarter, along with its outlook, on a conference call today beginning at 2:00 p.m. Pacific Time. A webcast of the call will be available at: www.kla.com.

About KLA:

KLA-Tencor Corporation (aka "KLA Corporation" or "KLA") develops industry-leading equipment and services that enable innovation throughout the electronics industry. We provide advanced process control and process-enabling solutions for manufacturing wafers and reticles, integrated circuits, packaging, printed circuit boards and flat panel displays. In close collaboration with leading customers across the globe, our expert teams of physicists, engineers, data scientists and problem-solvers design solutions that move the world forward. Additional information may be found at www.kla.com (KLAC-F).

Use of Non-GAAP Financial Information:

The non-GAAP and supplemental information provided in this press release is a supplement to, and not a substitute for, KLA's financial results presented in accordance with United States GAAP.

To supplement KLA's condensed consolidated financial statements presented in accordance with GAAP, the company provides certain non-GAAP financial information, which is adjusted from results based on GAAP to exclude certain costs and expenses (benefits), as well as other supplemental information. The non-GAAP and supplemental information is provided to enhance the user's overall understanding of KLA's operating performance and its prospects in the future. Specifically, KLA believes that the non-GAAP information provides useful measures to both management and investors regarding financial and business trends relating to KLA's financial performance by excluding certain costs and expenses (benefits) that the company believes are not indicative of its core operating results. The non-GAAP information is among the budgeting and planning tools that management uses for future forecasting. However, because there are no standardized or generally accepted definitions for most non-GAAP financial metrics (for example, determining which costs and expenses (benefits) to exclude when calculating such a metric) are inherently subject to significant discretion. As a result, non-GAAP financial metrics may be defined very differently from company to company, or even from period to period within the same company, which can potentially limit the usefulness of such information to an investor. The presentation of non-GAAP and supplemental information is not meant to be considered in isolation or as a substitute for results prepared and presented in accordance with United States GAAP.

KLA-Tencor Corporation

Condensed Consolidated Unaudited Balance Sheets

(In thousands)	March 31, 2019		June 30, 2018		
ASSETS					
Cash, cash equivalents and marketable securities	\$	1,897,268	\$	2,880,318	
Accounts receivable, net		958,021		651,678	
Inventories		1,317,260		931,845	
Other current assets		270,079		85,159	
Land, property and equipment, net		411,852		286,306	
Goodwill		2,172,902		354,698	
Deferred income taxes, non-current		205,820		193,200	
Purchased intangible assets, net		1,694,313		19,333	
Other non-current assets		260,090		236,082	
Total assets	\$	9,187,605	\$	5,638,619	
LIABILITIES, NON-CONTROLLING INTEREST AND STOCKHOLDERS' EQUITY					
Current liabilities:					
Accounts payable	\$	206,248	\$	169,354	
Deferred system revenue		228,745		_	
Deferred service revenue		182,119		69,255	
Deferred system profit		_		279,581	
Current portion of long-term debt		249,997		_	
Other current liabilities		833,747		696,080	
Total current liabilities		1,700,856		1,214,270	
Non-current liabilities:					
Long-term debt		3,172,649		2,237,402	
Deferred tax Liability		762,303		1,197	
Deferred service revenue		90,610		71,997	
Other non-current liabilities		575,599		493,242	
Total liabilities		6,302,017		4,018,108	
Stockholders' equity:					
Common stock and capital in excess of par value		1,989,914		617,999	
Retained earnings		928,086		1,056,445	
Accumulated other comprehensive income (loss)		(68,907)		(53,933)	
Total KLA-Tencor stockholders' equity		2,849,093		1,620,511	
Non-controlling interest in consolidated subsidiary		36,495		_	
Total stockholders' equity		2,885,588		1,620,511	
Total liabilities and stockholders' equity	\$	9,187,605	\$	5,638,619	

KLA-Tencor Corporation

Condensed Consolidated Unaudited Statements of Operations

Three months ended March 31,					Nine months ended March 31,					
·	2019		2018		2019		2018			
	_									
\$	793,224	\$	797,797	\$	2,474,652	\$	2,320,171			
	304,087		223,497		835,817		646,526			
	1,097,311		1,021,294		3,310,469		2,966,697			
	486,945		368,356		1,276,592		1,068,475			
	184,887		153,239		504,320		456,626			
	182,184		113,237		409,084		325,934			
	21,905		20,479		55,552		66,220			
· ·	221,390		365,983	· · ·	1,064,921		1,049,442			
	28,745		59,102		107,232		595,944			
	192,645		306,881		957,689		453,498			
	(83)		_		(83)		_			
\$	192,728	\$	306,881	\$	957,772	\$	453,498			
\$	1.23	\$	1.96	\$	6.20	\$	2.90			
\$	1.23	\$	1.95	\$	6.17	\$	2.88			
	156,349		156,221		154,561		156,547			
	157,182		157,201		155,310		157,539			
	\$	\$ 793,224 304,087 1,097,311 486,945 184,887 182,184 21,905 221,390 28,745 192,645 (83) \$ 192,728 \$ 1.23 \$ 1.23	\$ 793,224 \$ 304,087 \$ 1,097,311 \$ 486,945 \$ 184,887 \$ 182,184 \$ 21,905 \$ 221,390 \$ 28,745 \$ 192,645 \$ (83) \$ 192,728 \$ \$ 1.23 \$ \$ 1.23 \$ \$ 1.23 \$ \$	2019 2018 \$ 793,224 \$ 797,797 304,087 223,497 1,097,311 1,021,294 486,945 368,356 184,887 153,239 182,184 113,237 21,905 20,479 221,390 365,983 28,745 59,102 192,645 306,881 (83) — \$ 192,728 \$ 306,881 \$ 1.23 \$ 1.96 \$ 1.23 \$ 1.95 156,349 156,221	2019 2018 \$ 793,224 \$ 797,797 \$ 304,087 223,497 1,097,311 1,021,294 486,945 368,356 184,887 153,239 182,184 113,237 21,905 20,479 221,390 365,983 28,745 59,102 192,645 306,881 (83) — \$ 192,728 \$ 306,881 \$ 1.23 \$ 1.96 \$ 1.23 \$ 1.95 \$ 156,349 156,221	2019 2018 2019 \$ 793,224 \$ 797,797 \$ 2,474,652 304,087 223,497 835,817 1,097,311 1,021,294 3,310,469 486,945 368,356 1,276,592 184,887 153,239 504,320 182,184 113,237 409,084 21,905 20,479 55,552 221,390 365,983 1,064,921 28,745 59,102 107,232 192,645 306,881 957,689 (83) — (83) \$ 192,728 \$ 306,881 \$ 957,772 \$ 1.23 \$ 1.96 \$ 6.20 \$ 1.23 \$ 1.95 \$ 6.17 156,349 156,221 154,561	2019 2018 2019 \$ 793,224 \$ 797,797 \$ 2,474,652 \$ 304,087 \$ 223,497 \$ 835,817 \$ 1,097,311 \$ 1,021,294 \$ 3,310,469 \$ 368,356 \$ 1,276,592 \$ 184,887 \$ 153,239 \$ 504,320 \$ 504,320 \$ 182,184 \$ 113,237 \$ 409,084 \$ 21,905 \$ 20,479 \$ 55,552 \$ 221,390 \$ 365,983 \$ 1,064,921 \$ 28,745 \$ 59,102 \$ 107,232 \$ 192,645 \$ 306,881 \$ 957,689 \$ (83) \$ (83) \$ (83) \$ 192,728 \$ 306,881 \$ 957,772 \$ \$ \$ 1.23 \$ 1.96 \$ 6.20 \$ \$ 1.23 \$ 1.95 \$ 6.17 \$			

Three months ended March 31,

			cn 31,	
(In thousands)		2019		2018
Cash flows from operating activities:				
Net income	\$	192,645	\$	306,881
Adjustments to reconcile net income to net cash provided by operating activities:				
Depreciation and amortization		73,445		16,283
Loss (gain) on unrealized foreign exchange and other		73		(338)
Share of net earnings of equity method investee		_		_
Stock-based compensation expense		34,193		16,210
Changes in assets and liabilities, net of assets acquired and liabilities assumed in business acquisitions:				
Accounts receivable		(72,796)		91,370
Inventories		(1,893)		(60,487)
Other assets		(3,068)		(66,014)
Accounts payable		(590)		19,183
Deferred system revenue		32,105		_
Deferred service revenue		(15,371)		_
Deferred system profit		_		9,968
Other liabilities		(75,149)		19,551
Net cash provided by operating activities		163,594		352,607
Cash flows from investing activities:				
Acquisition of non-marketable securities		(630)		_
Businesses acquisitions, net of cash acquired		(1,806,496)		_
Capital expenditures		(25,956)		(14,994)
Purchases of available-for-sale securities		_		(112,661)
Proceeds from sale of available-for-sale securities				
		40,920		58,429
Proceeds from maturity of available-for-sale securities		60,298		97,809
Purchases of trading securities		(30,328)		(34,370)
Proceeds from sale of trading securities		27,289		31,681
Net cash (used in) provided by investing activities		(1,734,903)		25,894
Cash flows from financing activities:				
Proceeds from issuance of debt, net of issuance costs		1,186,263		_
Proceeds from revolving credit facility, net of debt issuance costs		900,000		_
Repayment of debt		(902,474)		(25,000)
Issuance of common stock		_		(8)
Tax withholding payments related to equity awards		(381)		(428)
Common stock repurchases		(200,029)		(84,724)
Payment of contingent consideration payable		(513)		_
Payment of dividends to stockholders		(113,581)		(92,128)
Net cash provided by (used in) financing activities		869,285		(202,288)
Effect of exchange rate changes on cash and cash equivalents		205		6,075
Net (decrease) increase in cash and cash equivalents		(701,819)		182,288
Cash and cash equivalents at beginning of period		1,793,982		1,073,394
Cash and cash equivalents at end of period	\$	1,092,163	\$	1,255,682
Supplemental cash flow disclosures:	<u> </u>	1,052,100	- —	1,200,002
	¢.	£1 00£	e e	74.214
Income taxes paid	\$	51,885	\$	74,314
Interest paid	\$	3,856	\$	2,330
Non-cash activities:	Φ.	1 220 706	0	
Issuance of common stock for the acquisition of Orbotech Ltd financing activities	\$	1,330,786	\$	_
Contingent consideration payable - financing activities	\$	6,740	\$	_
Dividends payable - financing activities	\$	6,494	\$	8,408
	\$	5,988	\$	_
Unsettled common stock repurchase - financing activities			_	
Unsettled common stock repurchase - financing activities Accrued debt issuance costs - financing activities Accrued purchase of land, property and equipment - investing activities	\$	2,530 6,370	\$ \$	9,728

KLA-Tencor Corporation Condensed Consolidated Unaudited Supplemental Information (In thousands, except per share amounts)

Reconciliation of GAAP Net Income to Non-GAAP Net Income

		Three months ended					Nine months ended			
	-	March 31, December 31, 2019 2018		,		March 31, 2019		March 31, 2018		
GAAP net income attributable to KLA-Tencor	\$	192,728	\$	369,100	\$	306,881	\$	957,772	\$	453,498
Adjustments to reconcile GAAP net income to non-GAAP net income:										
Acquisition-related charges	a	103,755		4,281		7,413		113,587		10,608
Merger-related charges	b	_		_		_		_		3,015
Income tax effect of non-GAAP adjustments	c	(21,127)		(276)		(343)		(21,713)		(2,407)
Discrete tax items	d	7,482		(765)		4,184		(10,389)		446,078
Non-GAAP net income attributable to KLA-Tencor	\$	282,838	\$	372,340	\$	318,135	\$	1,039,257	\$	910,792
GAAP net income (loss) per diluted share attributable to KLA-Tencor	\$	1.23	\$	2.42	\$	1.95	\$	6.17	\$	2.88
Non-GAAP net income per diluted share attributable to KLA-Tencor	\$	1.80	\$	2.44	\$	2.02	\$	6.69	\$	5.78
Shares used in diluted shares calculation		157,182		152,648		157,201		155,310		157,539

Pre-tax impact of GAAP to non-GAAP adjustments included in Condensed Consolidated Unaudited Statements of Operations

	-	isition- related charges
Three months ended March 31, 2019		
Costs of revenues	\$	47,659
Research and development		3,328
Selling, general and administrative		52,768
Total in three months ended March 31, 2019	\$	103,755
Three months ended December 31, 2018		
Costs of revenues	\$	967
Selling, general and administrative		3,314
Total in three months ended December 31, 2018	\$	4,281
Three months ended March 31, 2018		
Costs of revenues	\$	1,122
Selling, general and administrative		6,291
Total in three months ended March 31, 2018	\$	7,413

To supplement our condensed consolidated financial statements presented in accordance with GAAP, we provide certain non-GAAP financial information, which is adjusted from results based on GAAP to exclude certain costs and expenses, as well as other supplemental information. The non-GAAP and supplemental information is provided to enhance the user's overall understanding of our operating performance and our prospects in the future. Specifically, we believe that the non-GAAP information provides useful measures to both management and investors regarding financial and business trends relating to our financial performance by excluding certain costs and expenses that we believe are not indicative of our core operating results. The non-GAAP information is among the budgeting and planning tools that management uses for future forecasting. However, because there are no standardized or generally accepted definitions for most non-GAAP financial metrics, definitions of non-GAAP financial metrics (for example, determining which costs and expenses to exclude when calculating such a metric) are inherently subject to significant discretion. As a result, non-GAAP financial metrics may be defined very differently from company to company, or even from period to period within the same company, which can potentially limit the usefulness of such information to an investor. The presentation of non-GAAP and supplemental information is not meant to be considered in isolation or as a substitute for results prepared and presented in accordance with United States GAAP.

- a. Acquisition-related charges primarily include amortization of intangible assets and other acquisition-related adjustments including adjustments for the fair valuation of inventory and backlog, certain employee compensation arrangements, acceleration of certain stock-based compensation arrangements, and transaction costs associated with our acquisitions, primarily Orbotech. Management believes that the expense associated with the amortization of acquisition-related intangible assets is appropriate to be excluded because a significant portion of the purchase price for acquisitions may be allocated to intangible assets that have short lives, and exclusion of these expenses allows comparisons of operating results that are consistent over time for both KLA's newly acquired and long-held businesses. Management believes that the other acquisition-related expenses are appropriate to be excluded because such costs would not have otherwise been incurred in the periods presented. Management believes excluding these items helps investors compare our operating performances with our results in prior periods as well as with the performance of other companies.
- b. Merger-related charges associated with the terminated merger agreement between KLA and Lam Research Corporation ("Lam") primarily includes employee retention-related expenses and other costs. Management believes that it is appropriate to exclude these items as they are not indicative of ongoing operating results and therefore limit comparability and excluding these items helps investors compare our operating performance with our results in prior periods as well as with the performance of other companies.
- c. Income tax effect of non-GAAP adjustments includes the income tax effects of the excluded items noted above. Management believes that it is appropriate to exclude the tax effects of the items noted above in order to present a more meaningful measure of non-GAAP net income.
- d. Discrete tax items include charges associated with the acquisition of Orbotech as well as the income tax effects of an income tax expense from the enacted tax reform legislation through the Tax Cuts and Jobs-Act (the "Act"), which was signed into law on December 22, 2017, of which the impact is primarily related to the provisional tax amounts recorded for the transition tax on accumulated foreign earnings and the re-measurement of certain deferred tax assets and liabilities as a result of the enactment of the Act. Management believes excluding these items helps investors compare our operating performance with our results in prior periods as well as with the performance of other companies.