

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): February 14, 2018

**KLA-TENCOR CORPORATION**

(Exact name of registrant as specified in its charter)

Delaware

000-09992

04-2564110

(State or other jurisdiction of incorporation)

(Commission File Number)

(I.R.S. Employer Identification No.)

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))

**Item 8.01 Other Events.**

On February 14, 2018, the Company issued a press release announcing that it was increasing its quarterly dividend level from \$0.59 per share to \$0.75 per share. The first dividend at the higher dividend level is expected to be payable on June 1, 2018 to stockholders of record on May 15, 2018, subject to formal declaration by the Company's Board of Directors at its next regularly scheduled meeting. A copy of the press release is attached hereto as Exhibit 99.1.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits

The following exhibit is filed herewith:

<b>Exhibit No.</b>	<b>Description</b>
99.1	<a href="#"><u>Text of press release furnished by KLA-Tencor Corporation on February 14, 2018</u></a>

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**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: February 14, 2018

By: /s/ TERI A. LITTLE  
Name: Teri A. Little  
Title: Executive Vice President and Chief Legal Officer

Investor Relations:  
Ed Lockwood  
Sr. Director, Investor Relations  
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### **KLA-Tencor Announces 27 Percent Increase in Quarterly Dividend, from 59 Cents to 75 Cents per Share, or \$3 Annualized**

MILPITAS, Calif., Feb. 14, 2018—[KLA-Tencor Corporation](#) (NASDAQ: KLAC) today announced that it will increase its quarterly cash dividend by 27 percent, from 59 cents per share to 75 cents per share. The higher quarterly dividend is expected to be payable on June 1, 2018 for stockholders of record as of May 15, 2018, and is subject to formal declaration by the board of directors at its next regularly scheduled meeting.

This is the 10th increase in the quarterly dividend since KLA-Tencor first instituted a dividend in 2005. Since inception, the annualized quarterly dividend level has grown approximately 15 percent.

“The fundamentals of the semiconductor equipment market and KLA-Tencor’s position within it have never been stronger,” said Rick Wallace, president and chief executive officer of KLA-Tencor. “Today’s dividend increase, the largest in our history, reflects the strength of KLA-Tencor’s free cash flow generation and our commitment to enhancing stockholder value.”

#### **About KLA-Tencor:**

KLA-Tencor Corporation, a leading provider of process control and yield management solutions, partners with customers around the world to develop state-of-the-art inspection and metrology technologies. These technologies serve the semiconductor and other related nanoelectronics industries. With a portfolio of industry-standard products and a team of world-class engineers and scientists, the company has created superior solutions for its customers for more than 40 years. Headquartered in Milpitas, Calif., KLA-Tencor has dedicated customer operations and service centers around the world. Additional information may be found at [www.kla-tencor.com](http://www.kla-tencor.com). (KLAC-F).

#### **Forward Looking Statements:**

Statements in this press release other than historical facts, such as statements regarding the anticipated future level of KLA-Tencor’s quarterly dividend, the company’s commitment to continue paying dividends at any level in the future, and the company’s future operating results and financial strength (including without limitation the company’s future cash flows and availability of cash for the payment of dividends), are forward-looking statements and are subject to the Safe Harbor provisions created by the Private Securities Litigation Reform Act of 1995. These forward-looking statements are based on current information and expectations, and involve a number of risks and uncertainties. Actual future results and/or events may differ materially from those projected in such statements due to various factors, including without limitation: a change in KLA-Tencor’s dividend policy by the company’s Board of Directors (which has the ability in its sole discretion to increase, decrease or eliminate entirely the company’s dividend at any time); unanticipated material payment obligations incurred by KLA-Tencor that decrease the company’s willingness or ability to continue paying dividends at the anticipated increased level, or at all; the financial condition of the global capital markets and the general macroeconomic environment; the demand for semiconductors; new and enhanced product offerings by competitors; the ability of KLA-Tencor’s research and development teams to successfully innovate and develop technology that is responsive to customer demands; and changing customer demands or technological requirements. For other factors that may cause actual results to differ materially from those projected and anticipated in forward-looking statements in this release, please refer to KLA-Tencor’s Annual Report on Form 10-K for the year ended June 30, 2017, subsequently filed Quarterly Reports on Form 10-Q and other filings with the Securities and Exchange Commission (including, but not limited to, the risk factors described therein). KLA-Tencor assumes no obligation to, and does not currently intend to, update these forward-looking statements.

SOURCE KLA-Tencor Corporation