

KLA TENCOR CORP  
Form 8-K  
May 11, 2006

**Table of Contents**

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 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 11, 2006**

**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)

(IRS Employer  
Identification No.)

**160 Rio Robles  
San Jose, California**

**95134** (Address of principal executive offices, including zip code)  
**(408) 875-3000** (Registrant's telephone number, including area code)

**N/A**

(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 (see General Instruction A.2. below):

- 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))
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**TABLE OF CONTENTS**

Item 5.02 Departure of Directors; Election of Directors

Item 9.01 Financial Statements and Exhibits

SIGNATURES

EXHIBIT INDEX

EXHIBIT 99.1

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**Table of Contents**

**Item 5.02 Departure of Directors; Election of Directors**

On May 11, 2006, Mr. Michael E. Marks resigned from the Board of Directors of KLA-Tencor Corporation. Upon recommendation of the Nominating and Governance Committee, the Board of Directors appointed Mr. David C. Wang to fill the vacancy left by the resignation of Mr. Marks.

**Item 9.01 Financial Statements and Exhibits**

**(c) Exhibits.**

**Exhibit No.    Description**

99.1            Press Release issued by KLA-Tencor Corporation dated May 11, 2006.

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**Table of Contents**

**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.

**KLA-TENCOR CORPORATION**

By: /s/ Stuart J. Nichols

**Stuart J. Nichols**

**Vice President and General Counsel**

Date: May 11, 2006

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**Table of Contents**

**EXHIBIT INDEX**

<b>Exhibit No.</b>	<b>Description</b>
<b>99.1</b>	Press Release issued by KLA-Tencor Corporation dated May 11, 2006.