

KLA TENCOR CORP  
Form 4  
October 31, 2013

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**BARNHOLT EDWARD W**

2. Issuer Name and Ticker or Trading Symbol  
**KLA TENCOR CORP [KLAC]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
**C/O KLA-TENCOR CORPORATION, ONE TECHNOLOGY DRIVE**

3. Date of Earliest Transaction (Month/Day/Year)  
**10/29/2013**

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**Chairman of the Board**

(Street)  
**MILPITAS, CA 95035**

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
				(A) or (D)	Price			
				Code	V	Amount		
Common Stock	10/29/2013		M	5,000	A	\$ 59.44	8,809	D
Common Stock	10/29/2013		S	5,000	D	\$ 64.85	3,809	D
Common Stock	10/29/2013		M	5,000	A	\$ 59.44	8,809	D
Common Stock	10/29/2013		S	5,000	D	\$ 64.85	3,809	D
Common Stock	10/29/2013		M	2,500	A	\$ 44.76	6,309	D

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Common Stock	10/29/2013		S	2,500	D	\$ 64.85	3,809	D	
Common Stock	10/29/2013		M	2,500	A	\$ 40.24	6,309	D	
Common Stock	10/29/2013		S	2,500	D	\$ 64.85	3,809	D	
Common Stock	10/29/2013		M	1,875	A	\$ 55.88	5,684	D	
Common Stock	10/29/2013		S	1,875	D	\$ 64.85	3,809	D	
Common Stock	10/29/2013		M	1,875	A	\$ 56.79	5,684	D	
Common Stock	10/29/2013		S	1,875	D	\$ 64.85	3,809	D	
Common Stock	10/29/2013		M	1,875	A	\$ 52.84	5,684	D	
Common Stock	10/29/2013		S	1,875	D	\$ 64.85	3,809	D	
Common Stock							39,167	I	By Trust <u>(1)</u>
Common Stock - Restricted Stock Units <u>(2)</u>							3,836	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number



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- (4) Represents a stock option granted on January 25, 2005, granting the Reporting Person the right to purchase up to 2,500 shares of KLA-Tencor common stock. All of the shares subject to this stock option vested immediately and were exercisable on January 25, 2005.
- (5) Represents a stock option granted on May 11, 2005, granting the Reporting Person the right to purchase up to 2,500 shares of KLA-Tencor common stock. All of the shares subject to this stock option vested immediately and were exercisable on May 11, 2005.
- (6) Represents a stock option granted on May 1, 2007, granting the Reporting Person the right to purchase up to 1,875 shares of KLA-Tencor common stock. All of the shares subject to this stock option vested immediately and were exercisable on May 1, 2007.
- (7) Represents a stock option granted on July 31, 2007, granting the Reporting Person the right to purchase up to 1,875 shares of KLA-Tencor common stock. All of the shares subject to this stock option vested immediately and were exercisable on July 31, 2007.
- (8) Represents a stock option granted on October 30, 2007, granting the Reporting Person the right to purchase up to 1,875 shares of KLA-Tencor common stock. All of the shares subject to this stock option vested immediately and were exercisable on October 30, 2007.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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