

KLA TENCOR CORP  
Form 4  
May 27, 2005

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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**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 \*  
LAMB MAUREEN L

(Last) (First) (Middle)

C/O KLA-TENCOR CORPORATION, 160 RIO ROBLES

(Street)

SAN JOSE, CA 95130

(City) (State) (Zip)

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

3. Date of Earliest Transaction (Month/Day/Year)  
05/26/2005

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_ 10% Owner  
\_X\_ Officer (give title below) \_\_\_ Other (specify below)  
VP Finance & Treasury

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

**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 Ownership (Instr. 4)		
				Code	V	Amount				(A) or (D)	Price
Common Stock	05/26/2005		M			334	A	\$ 33.75	4,510	D	
Common Stock	05/26/2005		S			334	D	\$ 45	4,176	D	
Common Stock	05/26/2005		M			750	A	\$ 26.25	4,926	D	
Common Stock	05/26/2005		S			750	D	\$ 45	4,176	D	
Common Stock	05/26/2005		M			625	A	\$ 32.75	4,801	D	

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Common Stock	05/26/2005	S	625	D	\$ 45.02	4,176	D
Common Stock	05/26/2005	M	1,875	A	\$ 29.31	6,051	D
Common Stock	05/26/2005	S	1,875	D	\$ 45	4,176	D
Common Stock	05/26/2005	M	1,875	A	\$ 37.05	6,051	D
Common Stock	05/26/2005	S	1,875	D	\$ 45	4,176	D
Common Stock	05/26/2005	M	2,250	A	\$ 34.67	6,426	D
Common Stock	05/26/2005	S	2,250	D	\$ 45.0517	4,176	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 Security (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 26.25	05/26/2005		M	750	11/10/2001 11/10/2010	Common Stock	750	
Non-Qualified Stock Option (right to buy)	\$ 29.31	05/26/2005		M	1,875	10/02/2002 10/02/2011	Common Stock	1,875	
Non-Qualified Stock Option (right to buy)	\$ 32.75	05/26/2005		M	625	04/04/2002 04/04/2011	Common Stock	625	
	\$ 33.75	05/26/2005		M	334	10/27/2000 10/27/2009		334	

Option Type	Exercise Price	Grant Date	Expiration Date	Quantity	Underlying	Common Stock	Shares
Non-Qualified Stock Option (right to buy)						Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 34.67	05/26/2005		2,250	11/08/2003 01/28/2013	Common Stock	2,250
Non-Qualified Stock Option (right to buy)	\$ 37.05	05/26/2005		1,875	11/08/2003 11/08/2012	Common Stock	1,875
Non-Qualified Stock Option (right to buy)	\$ 40.66				10/27/2004 08/02/2014	Common Stock	2,250
Non-Qualified Stock Option (right to buy)	\$ 41.79				09/21/2005 09/21/2014	Common Stock	15,000
Non-Qualified Stock Option (right to buy)	\$ 44.6875				08/13/2001 08/13/2010	Common Stock	15,000
Non-Qualified Stock Option (right to buy)	\$ 45.16				10/27/2004 04/26/2014	Common Stock	3,750
Non-Qualified Stock Option (right to buy)	\$ 51.229				11/08/2003 07/30/2013	Common Stock	3,750
Non-Qualified Stock Option (right to buy)	\$ 53.86				10/27/2004 10/27/2013	Common Stock	6,000
Non-Qualified Stock Option (right to buy)	\$ 58.1				10/27/2004 01/27/2014	Common Stock	3,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LAMB MAUREEN L C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130			VP Finance & Treasury	

## Signatures

By: Stuart J. Nichols For: Maureen Lamb 05/27/2005

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

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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