

LAMB MAUREEN L
Form 4/A
June 30, 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)
160 RIO ROBLES
(Street)

SAN JOSE, CA 95134

(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
06/28/2005

4. If Amendment, Date Original Filed(Month/Day/Year)
06/29/2005

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
VP Finance & Treasury

6. Individual or Joint/Group Filing(Check Applicable Line)
 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	06/28/2005		M		1,740	A	\$ 44.6875
Common Stock	06/28/2005		S		1,740	D	\$ 45
Common Stock	06/28/2005		M		13,260	A	\$ 44.6875
Common Stock	06/28/2005		S		13,260	D	\$ 45
Common Stock	06/28/2005		M		712	A	\$ 40.66

Common
Stock 06/28/2005 S 712 D \$ 45 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	\$ 26.25					11/10/2001	11/10/2010	Common Stock	7
Non-Qualified Stock Option	\$ 29.31					10/02/2002	10/02/2011	Common Stock	6,
Non-Qualified Stock Option	\$ 32.75					04/04/2002	04/04/2011	Common Stock	1,
Non-Qualified Stock Option	\$ 34.67					11/08/2003	01/28/2013	Common Stock	3,
Non-Qualified Stock Option	\$ 37.05					11/08/2003	11/08/2012	Common Stock	1,
Non-Qualified Stock Option	\$ 40.66	06/28/2005		M	712	10/27/2004	08/02/2014	Common Stock	7
Non-Qualified Stock Option	\$ 41.79					09/21/2005	09/21/2014	Common Stock	15
Non-Qualified Stock Option	\$ 44.6875	06/28/2005		M	1,740	08/13/2000	08/13/2010	Common Stock	1,
Non-Qualified Stock Option	\$ 44.6875	06/28/2005		M	13,260	08/13/2001	08/13/2010	Common Stock	13
Non-Qualified Stock Option	\$ 45.16					10/27/2004	04/26/2014	Common Stock	3,
Non-Qualified Stock Option	\$ 51.229					11/08/2003	07/30/2013	Common Stock	3,

Non-Qualified Stock Option	\$ 53.86	10/27/2004	10/27/2013	Common Stock	6,
Non-Qualified Stock Option	\$ 58.1	10/27/2004	01/27/2014	Common Stock	3,

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LAMB MAUREEN L 160 RIO ROBLES SAN JOSE, CA 95134			VP Finance & Treasury	

Signatures

Maureen Lamb 06/30/2005

__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).

(1) In error the Officer's broker reported a sale of 1,187 shares from this stock option.

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