

KLA TENCOR CORP  
Form 4  
May 27, 2005

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

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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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SEC 1474  
(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 | Quantity |
|---|----------------|------------|-----------------|----------|-----------------------|--------------|----------|
| 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<br>C/O KLA-TENCOR CORPORATION<br>160 RIO ROBLES<br>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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