Glasser Lance A Form 4 August 22, 2005

## FORM 4

### **OMB APPROVAL OMB**

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

3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

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

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction 1(b).

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 \* Glasser Lance A

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

(Last) (First) (Middle) KLA TENCOR CORP [KLAC]

(Check all applicable)

C/O KLA-TENCOR **ROBLES** 

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

Director X\_ Officer (give title below)

10% Owner Other (specify

CORPORATION, 160 RIO

4. If Amendment, Date Original

**Executive Vice President** 

Filed(Month/Day/Year)

08/18/2005

Applicable Line)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

SAN JOSE, CA 95130

(City) (State) (Zip)

(Street)

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

1. Title of Security	2. Transaction Date		3.	4. Securi		•	5. Amount of	6.	7. Nature
(Instr. 3)	(Month/Day/Year)	Execution Date, if any	Code	. , , , , , , , , , , , , , , , , , , ,			Securities Beneficially	Ownership Form:	of Indirect Beneficial
		(Month/Day/Year)	(Instr. 8)	nstr. 8)			Owned Following	Direct (D) or Indirect	Ownership (Instr. 4)
					(A)		Reported	(I)	` ,
			Code V	Amount	or	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	08/18/2005		M	5,000	A	\$ 10.63	8,508	D	
Common Stock	08/18/2005		S	5,000	D	\$ 49.3	3,508	D	
Common Stock-Restricted Stock Units (1)							33,333	D	

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form

**SEC 1474** (9-02)

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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. Transactic Code (Instr. 8)	Secu Acqu (A) o Disp (D)	or cosed of cr. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (right to buy)	\$ 10.63	08/18/2005		M		5,000	08/31/1999	08/31/2008	Common Stock	5,0
Non-Qualified Stock Option (right to buy)	\$ 26.25						11/10/2001	11/10/2010	Common Stock	5,0
Non-Qualified Stock Option (right to buy)	\$ 29.31						10/02/2002	10/02/2011	Common Stock	22,5
Non-Qualified Stock Option (right to buy)	\$ 32.75						04/04/2002	04/04/2011	Common Stock	5,0
Non-Qualified Stock Option (right to buy)	\$ 33.75						10/27/2000	10/27/2009	Common Stock	20,0
Non-Qualified Stock Option (right to buy)	\$ 34.67						11/08/2003	01/28/2013	Common Stock	9,0
Non-Qualified Stock Option (right to buy)	\$ 37.05						11/08/2003	11/08/2012	Common Stock	4,5
Non-Qualified Stock Option (right to buy)	\$ 40.66						10/27/2004	08/02/2014	Common Stock	3,7
Non-Qualified Stock Option (right to buy)	\$ 41.79						09/21/2005	09/21/2014	Common Stock	75,0
Non-Qualified Stock Option	\$ 42.28						11/30/2000	11/30/2009	Common Stock	10,0

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(right to buy)					
Non-Qualified Stock Option (right to buy)	\$ 44.6875	08/13/2000	08/13/2010	Common Stock	10,0
Non-Qualified Stock Option (right to buy)	\$ 45.16	10/27/2004	04/26/2014	Common Stock	6,2
Non-Qualified Stock Option (right to buy)	\$ 51.229	11/08/2003	07/30/2013	Common Stock	4,5
Non-Qualified Stock Option (right to buy)	\$ 53.86	10/27/2004	10/27/2013	Common Stock	10,0
Non-Qualified Stock Option (right to buy)	\$ 58.1	10/27/2004	01/27/2014	Common Stock	5,0

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
<b>,</b> G	Director	10% Owner	Officer	Other			
Glasser Lance A C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130			Executive Vice President				

# **Signatures**

By: Stuart J. Nichols For: Lance A. O8/22/2005 Glasser

\*\*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) Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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