

KLA TENCOR CORP

Form 4

May 10, 2007

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

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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Titinger Jorge

(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)

05/10/2007

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 ____ Other (specify
below) below)

SVP, Chief Admin. Officer

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	02/01/2007		J		337 ⁽¹⁾	A	\$ 35.4365
Common Stock	05/08/2007		M		10,000	A	\$ 34.67
Common Stock	05/08/2007		S		10,000	D	\$ 56.25
Common Stock-Restricted Stock Units							
					37,600		

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 Underlying Security (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 34.67	05/08/2007		M	10,000	01/28/2004	01/28/2013	Common Stock	10,000
Non-Qualified Stock Option (right to buy)	\$ 39.34					09/16/2005	09/16/2014	Common Stock	19,000
Non-Qualified Stock Option (right to buy)	\$ 40.66					10/27/2004	08/02/2014	Common Stock	1,000
Non-Qualified Stock Option (right to buy)	\$ 45.16					10/27/2004	04/26/2014	Common Stock	2,000
Non-Qualified Stock Option (right to buy)	\$ 47.95					09/26/2006	09/26/2012	Common Stock	17,000
Non-Qualified Stock Option (right to buy)	\$ 53.86					10/27/2004	10/27/2013	Common Stock	3,000
Non-Qualified Stock Option (right to buy)	\$ 58.1					10/27/2004	01/27/2014	Common Stock	1,000

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other
SVP, Chief Admin. Officer

Titinger Jorge
C/O KLA-TENCOR CORPORATION
160 RIO ROBLES
SAN JOSE, CA 95130

Signatures

By: /s/ John Kispert For: Jorge Luis
Titinger

05/10/2007

__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) Voluntary reporting of shares acquired through Employee Stock Purchase Plan

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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