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

OMB APPROVAL 3235-0287 OMB Number: Estimated average burden 0.5 hours per response...

longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

(Print or Type Responses)

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* KAUFMAN STEPHEN P				2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable)X Director 10% Owner									
(Last) (First) (Middle) C/O KLA-TENCOR CORPORATION, 160 RIO ROBLES				3. Date of Earliest Transaction (Month/Day/Year) 11/04/2005								officer (give t	title below)		er (specify belo	ow)			
		(Street)		4. If An	nend	ment, Da	ate O	riginal l	Filed(M	Ionth/Day/	Year)		_X_ For	m filed by O	ne Reporting P	Filing(Check . erson eporting Person	Applicable Lir	.e)	
_	E, CA 951		(T)										ron	n filed by M	ore than One K	eporting Person			Щ
(City	/)	(State)	(Zip)				Tab	ole I - N	on-De	rivative	Securities	Acqu	ired, D	isposed o	f, or Benefi	icially Owne	d		
1.Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Yea			2A. Deeme Execution I any (Month/Da		Date, if	Co (In	Transact de str. 8)	e (4. Securities Acqui (A) or Disposed of (Instr. 3, 4 and 5) (A) or Amount (D)		Owned Transa	Amount of Securities Beneficially byned Following Reported fransaction(s)		6. Ownership Form:	7. Nature of Indirect Beneficial Ownership	ect ial		
			(IVIOII	(iviolitii/Day/Tear)		Code		V	Amount					Direct (D) or Indirect (I) (Instr. 4)					
Common Stock-Restricted Stock Units (1) 11/04/2005							A		1,000	A	\$ 0 (2)	1,000		D					
Common	Stock												1,000		D				
Reminder: I	Report on a so	eparate line for each		- Deriva	ative	Securit	ies A	F i a Acquire	Person In this a curre	form a ently va oosed of	re not red alid OMB , or Benefi	quired contr icially	l to res ol nun	spond ui nber.		on containe rorm displa		C 1474 (9-0	02)
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transac Code	etion	5. Num	iber tive ies ed	6. Date Expira		cisable a ate	ole securit nd	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5) (Instr. 5) 8. Price of Derivative Derivative Securities Gurities Gurities Heneficial Owned Following Reported Transactic (Instr. 4)		Owner Form of Deriva Securit Direct or Indi	ship of In Bene tive Own (y: (D) rect	eficial	
				Code	V	(A)	(D)	Date Exerci	sable	Expira	ntion Date	Title		Amount or Number of Shares					
Non- Qualified Stock Option (right to buy)	\$ 49.99	11/04/2005		A		1,250		11/04	1/2005	5 11/0	04/2012		nmon ock	1,250	\$ 0	1,250	D		
Non- Qualified Stock Option (right to buy)	\$ 37.05							11/08	3/2002	2 11/0	08/2012		nmon ock	10,000		10,000	D		
Non- Qualified Stock Option (right to buy)	\$ 40.24							05/11	1/2005	5 05/	11/2015		nmon ock	2,500		2,500	D		
Non- Qualified Stock Option (right to buy)	\$ 40.68							10/18	3/2004	4 10/	18/2014		nmon ock	2,500		2,500	D		

Non- Qualified Stock Option (right to buy)	\$ 44.76			01/25/2005	01/25/2015	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 51.35			08/02/2005	08/02/2012 ⁽³⁾	Common Stock	2,500	2,500	D	
Non- Qualified Stock Option (right to buy)	\$ 59.44			11/05/2003	11/05/2013	Common Stock	10,000	10,000	D	

Reporting Owners

	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
KAUFMAN STEPHEN P C/O KLA-TENCOR CORPORATION 160 RIO ROBLES SAN JOSE, CA 95130	X						

Signatures

By: Stuart J. Nichols For: Stephen P. Kaufman	11/07/2005	
**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).
- $\textbf{(1)} \ \ \text{Each restricted stock unit represents a contingent right to receive one share of KLAC common stock.}$
- (2) The restricted stock units will fully vest one year from date of grant and will not be deliverable until three years from the date of grant.
- (3) Option expiration date was reported incorrectly on the original Form 4.

 $Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, {\it see}\ Instruction\ 6 for procedure.$

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.