KLA TENCOR CORP Form SC 13G February 14, 2005

Page 1 of 12 Pages

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

SCHEDULE 13G

Under the Securities exchange Act of 1934

KLA-TENCOR CORP

(NAME OF ISSUER)

COM

-----

(TITLE OF CLASS OF SECURITIES)

482480100

\_\_\_\_\_

(CUSIP NUMBER)

December 31, 2004

-----

(Date of event which requires filing of this Statement)

NOTE: A MAJORITY OF THE SHARES REPORTED IN THIS SCHEDULE 13G ARE HELD BY UNAFFILIATED THIRD-PARTY CLIENT ACCOUNTS MANAGED BY ALLIANCE CAPITAL MANAGEMENT L.P., AS INVESTMENT ADVISER. (ALLIANCE CAPITAL MANAGEMENT L.P. IS A MAJORITY-OWNED SUBSIDIARY OF AXA FINANCIAL, INC.)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

X Rule 13d-1(b) Rule 13d-1(c) Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be 'filed' for the purpose of Section 18 of the Securities Exchange Act of 1934 ('Act') or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(CONTINUED ON FOLLOWING PAGE(S))

(	CUSIP NO. 482480100	13G	Page 2 of 12 Pages
1.	NAME OF REPORTING PERS S.S. OR I.R.S. IDENTIN	SON FICATION NO. OF ABOVE PERSON	
	AXA Assurances I.A	.R.D. Mutuelle	
2.	CHECK THE APPROPRIATE	BOX IF A MEMBER OF A GROUP *	(A) [X] (B) [ ]
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLACE ( France	DF ORGANIZATION	
	NUMBER OF SHARES BENEFICIALLY	5. SOLE VOTING POWER	7,684,426
		6. SHARED VOTING POWER	1,406,259
	BY EACH REPORTING	7. SOLE DISPOSITIVE POWER	10,263,799
		8. SHARED DISPOSITIVE POWER	22,577
9.	REPORTING PERSON	FICIALLY OWNED BY EACH as an admission of beneficial ow	10,286,376 nership)
10.	CHECK BOX IF THE AGGRI SHARES *	EGATE AMOUNT IN ROW (9) EXCLUDES	CERTAIN
11.	PERCENT OF CLASS REPRI	ESENTED BY AMOUNT IN ROW 9	5.3%
12.	TYPE OF REPORTING PERS	SON *	
	* SEE 1	INSTRUCTIONS BEFORE FILLING OUT!	
CUSI	P NO. 482480100	13G	Page 3 of 12 Pages
1.	NAME OF REPORTING PERS S.S. OR I.R.S. IDENTIN	SON FICATION NO. OF ABOVE PERSON	
	AXA Assurances Vie	Mutuelle	
2.	CHECK THE APPROPRIATE	BOX IF A MEMBER OF A GROUP *	(A) [X] (B) []
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLACE ( France	DF ORGANIZATION	
		5. SOLE VOTING POWER	7,684,426
	BENEFICIALLY OWNED AS OF December 31, 2004	6. SHARED VOTING POWER	1,406,259

		7.	SOLE DISPOSITIVE POWER	10,263,799
	REPORTING PERSON WITH:	8.	SHARED DISPOSITIVE POWER	22,577
9.	REPORTING PERSON		LLY OWNED BY EACH	
	(Not to be construed a	as an	admission of beneficial ow	vnership)
10.	CHECK BOX IF THE AGGRE SHARES *	EGATE	AMOUNT IN ROW (9) EXCLUDES	CERTAIN
11.	PERCENT OF CLASS REPRE	ESENTI	ED BY AMOUNT IN ROW 9	5.3%
12.	TYPE OF REPORTING PERS	SON *		
	IC * SEE ]	INSTR	UCTIONS BEFORE FILLING OUT!	
CUSI	P NO. 482480100		13G	Page 4 of 12 Pages
1.	NAME OF REPORTING PERS S.S. OR I.R.S. IDENTIE		ION NO. OF ABOVE PERSON	
	AXA Courtage Assura	ance l	Mutuelle	
2.	CHECK THE APPROPRIATE	BOX	IF A MEMBER OF A GROUP *	(A) [X] (B) []
3.	SEC USE ONLY			
4.	CITIZENSHIP OR PLACE ( France	DF OR	GANIZATION	
	NUMBER OF SHARES BENEFICIALLY	5.	SOLE VOTING POWER	7,684,426
	OWNED AS OF	6.	SHARED VOTING POWER	1,406,259
	December 31, 2004 BY EACH REPORTING	7.	SOLE DISPOSITIVE POWER	10,263,799
		8.	SHARED DISPOSITIVE POWER	22,577
9.	AGGREGATE AMOUNT BENER REPORTING PERSON	TICIA	LLY OWNED BY EACH	10,286,376
		as an	admission of beneficial ow	vnership)
10.	CHECK BOX IF THE AGGRE SHARES *	EGATE	AMOUNT IN ROW (9) EXCLUDES	G CERTAIN
11.	PERCENT OF CLASS REPRE	ESENTI	ed by amount in row 9	5.3%
12.	TYPE OF REPORTING PERS	SON *		
	* SEE ]	INSTR	UCTIONS BEFORE FILLING OUT!	

CUSI	P NO. 482480100	13G	Page 5 of 12 Pages
1.	NAME OF REPORTING PER S.S. OR I.R.S. IDENTI	SON FICATION NO. OF ABOVE PERSON	
	AXA		
2.	CHECK THE APPROPRIATE	BOX IF A MEMBER OF A GROUP *	(A) [ ] (B) [ ]
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLACE France	OF ORGANIZATION	
	NUMBER OF SHARES BENEFICIALLY	5. SOLE VOTING POWER	7,684,426
	OWNED AS OF	6. SHARED VOTING POWER	1,406,259
		7. SOLE DISPOSITIVE POWER	10,263,799
	REPORTING PERSON WITH:	8. SHARED DISPOSITIVE POWER	22,577
9.	REPORTING PERSON	FICIALLY OWNED BY EACH as an admission of beneficial ov	10,286,376
10.		EGATE AMOUNT IN ROW (9) EXCLUDES	-
11.	PERCENT OF CLASS REPR	ESENTED BY AMOUNT IN ROW 9	5.3%
12.	TYPE OF REPORTING PER IC	SON *	
	* SEE	INSTRUCTIONS BEFORE FILLING OUT	!
CUSI	P NO. 482480100	13G	Page 6 of 12 Pages
1.	NAME OF REPORTING PER S.S. OR I.R.S. IDENTI	SON FICATION NO. OF ABOVE PERSON	
	AXA Financial, Inc	. 13-3623351	
2.	CHECK THE APPROPRIATE	BOX IF A MEMBER OF A GROUP *	(A) [ ] (B) [ ]
3.	SEC USE ONLY		
4.	CITIZENSHIP OR PLACE State of Delaware	OF ORGANIZATION	
		5. SOLE VOTING POWER	7,679,285
	BENEFICIALLY OWNED AS OF December 31, 2004	6. SHARED VOTING POWER	1,406,259

		Eagarr	inig. i				164	
		BY EACH REPORTING	7.	SOLE D	ISPOSITIVE	POWER	10,256,758	
	I	PERSON WITH:	8.	SHARED	DISPOSITIV	YE POWER	22,577	
9.	REPOI	EGATE AMOUNT BENE RTING PERSON to be construed a				icial owne	10,279,335	
10.		K BOX IF THE AGGRI					-	
11.	PERCI	ENT OF CLASS REPRI	ESENTE	ed by Am	OUNT IN ROW	19	5.3%	
12.	TYPE HC	OF REPORTING PER	SON *					
		* SEE 1	INSTRU	JCTIONS	BEFORE FILI	ING OUT!		
				13G		P	age 7 of 12 Pages	
Item	1(a)	Name of Issuer: KLA-TENCOR CORP						
Item	1(b)	Address of Issue 160 Rio Robles San Jose, CA 95		rincipal	Executive	Offices:		
Item	2(a)	and (b) Name of Person F.	iling	and Add	ress of Pri	ncipal Bus	iness Office:	
		AXA Assurances I AXA Assurances V. 26, rue Drouot 75009 Paris, Fran	Le Mut		le, and			
		AXA Courtage Ass 26, rue Drouot 75009 Paris, Fran		e Mutuel	le			
		as a group (colle	ective	ely, the	'Mutuelles	axa').		
		AXA 25, avenue Matigu 75008 Paris, Fran						
		AXA Financial, In 1290 Avenue of th New York, New Yo	ne Ame					
(P]	Lease	contact Dean Dub	ovy at	(212)	314-5528 wi	th any que.	stions.)	

13G Page 8 of 12 Pages Item 2(c) Citizenship: Mutuelles AXA and AXA - France AXA Financial, Inc. - Delaware Item 2(d) Title of Class of Securities: COM Item 2(e) Cusip Number: 482480100 Item 3. Type of Reporting Person: AXA Financial, Inc. as a parent holding company, in accordance with 240.13d-1(b)(ii)(G). The Mutuelles AXA, as a group, acting as a parent holding company. AXA as a parent holding company. 13G Page 9 of 12 Pages Item 4. Ownership as of December 31, 2004 (a) Amount Beneficially Owned: 10,286,376 shares of common stock beneficially owned including: No. of Shares Subtotals \_\_\_\_\_ AXA 0 AXA Entity or Entities Common Stock acquired solely for investment purposes: AXA Investment Managers Paris (France) 3,541 AXA Rosenberg Investment Management LLC 3,500 0 AXA Financial, Inc. Subsidiaries: Advest, Inc. acquired solely for investment purposes on behalf of client discretionary investment advisory accounts: Common Stock 2.52 252 Alliance Capital Management L.P. acquired solely for investment purposes on

behalf of client discretionary investment

6

advisory accounts:

Common Stock	10,142,228	
AXA Equitable Life Insurance Company acquired solely for investment purposes:		10,142,228
Common Stock Boston Advisors, Inc. acquired solely for investment purposes on behalf of client discretionary investment advisory accounts:	136 <b>,</b> 555	136,555
Common Stock	300	

300	
10,286,376	Total
=======================================	

Each of the Mutuelles AXA, as a group, and AXA expressly declares that the filing of this Schedule 13G shall not be construed as an admission that it is, for purposes of Section 13(d) of the Exchange Act, the beneficial owner of any securities covered by this Schedule 13G.

Each of the above subsidiaries of AXA Financial, Inc. operates under independent management and makes independent decisions.

(b) Percent of Class:

5.3% =======

Page 10 of 12 Pages

ITEM 4. Ownership as of December 31, 2004 (CONT.)

(c) Deemed Voting Power and Disposition Power:

	(i)	(ii)	(iii)	(iv)
	Deemed	Deemed	Deemed	Deemed
	to have	to have	to have	to have
	Sole Power	Shared Power	Sole Power	Shared Power
	to Vote	to Vote	to Dispose	to Dispose
	or to	or to	or to	or to
	Direct	Direct	Direct the	Direct the
	the Vote	the Vote	Disposition	Disposition
The Mutuelles AXA,				
as a group	0	0	0	0
AXA	0	0	0	0

AXA Entity or Entities:				
AXA Investment	3,541	0	3,541	0
Managers Paris (France)				
AXA Rosenberg	1,600	0	3,500	0
Investment Management				
LLC				
AXA Financial, Inc.	0	0	0	0
	Ŭ	0	0	Ŭ
Subsidiaries:				
Advest, Inc.	0	252	0	252
	-		-	
Alliance Capital	7,543,174	1,406,007	10,119,903	22,325
Management L.P.				
Boston Advisors, Inc.	0	0	300	0
boscon Advisors, inc.	0	0	500	0
AXA Equitable Life	136,111	0	136,555	0
Insurance Company				
-	7,684,426	1,406,259	10,263,799	22,577
=			==========	•

Each of the above subsidiaries of AXA Financial, Inc. operates under independent management and makes independent voting and investment decisions.

Page 11 of 12 Pages

Item 5. Ownership of Five Percent or Less of a Class: If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following.

( )

Item 6. Ownership of More than Five Percent on behalf of Another Person. N/A

Item 7. Identification and Classification of the Subsidiary which Acquired the Security Being Reporting on by the Parent Holding Company:

This Schedule 13G is being filed by AXA Financial, Inc.; AXA, which owns AXA Financial, Inc.; and the Mutuelles AXA, which as a group control AXA:

- (X) in the Mutuelles AXAs' capacity, as a group, acting as a parent holding company with respect to the holdings of the following AXA entity or entities:
- (X) in AXA's capacity as a parent holding company with respect to the holdings of the following AXA entity or entities:

AXA Investment Managers Paris (France)

AXA Rosenberg Investment Management LLC

(X) in AXA Financial, Inc.'s capacity as a parent holding company

with respect to the holdings of the following subsidiaries:

- (X) Advest, Inc. (06-0950348), a broker-dealer registered under Section 15 of the Securities Exchange Act of 1934 and an investment adviser registered under Section 203 of the Investment Advisers Act of 1940.
- (X) Alliance Capital Management L.P. (13-3434400), an investment adviser registered under Section 203 of the Investment Advisers Act of 1940.
- (X) AXA Equitable Life Insurance Company (13-5570651), an insurance company and an investment adviser registered under Section 203 of the Investment Advisers Act of 1940.
- (X) Boston Advisors, Inc. (04-2805120), an investment adviser registered under Section 203 of the Investment Advisers Act of 1940.
- (X) Frontier Trust Company, FSB (Advest Trust) (45-0373941), an investment adviser registered under Section 203 of the Investment Advisers Act of 1940.

		Page 12 of 12	Pages
Item	8.	Identification and Classification of Members of the Group.	N/A
Item	9.	Notice of Dissolution of Group:	N/A

Item 10. Certification:

By signing below I certify that to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

#### Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 14, 2005 AXA FINANCIAL, INC.\*

/s/ Alvin H. Fenichel

Alvin H. Fenichel Senior Vice President

and Controller

\*Pursuant to the Joint Filing Agreement with respect to Schedule 13G attached hereto as Exhibit I, among AXA Financial, Inc., AXA Assurances I.A.R.D Mutuelle, AXA Assurances Vie Mutuelle, AXA Courtage Assurance Mutuelle, and AXA, this statement Schedule 13G is filed on behalf of each of them.