ADE CORP Form 3 March 06, 2006

FORM 3

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

OMB APPROVAL

OMB Number:

3235-0104

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF Expires:

January 31, 2005

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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)

owned directly or indirectly.

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement ADE CORP [ADEX] KLA TENCOR CORP (Month/Day/Year) 02/22/2006 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 160 RIO ROBLES (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) Director 10% Owner _X_ Form filed by One Reporting Officer _X_ Other Person SAN JOSE, CAÂ 95134 (give title below) (specify below) Form filed by More than One See remarks below Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership (Instr. 4) Ownership (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security		4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

KLA TENCOR CORP

160 RIO ROBLES See remarks below SAN JOSE, CAÂ 95134

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Signatures

/s/ Stuart J. Nichols, Vice President and General Counsel

03/06/2006

**Signature of Reporting Person

Date

Explanation of Responses:

No securities are beneficially owned

* If the form is filed by more than one reporting person, see Instruction 5(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).

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Remarks:

KLA-Tencor Corporation ("KLA"), ADE Corporation ("ADE") and a wholly-owned subsidiary of KLA entered into an Agreement and Plan of Merger, dated as of February 22, 2006 (the "Merger Agree which ADE will merge with Merger Corp. (the "Merger"). Certain officers and directors of ADE (tentered into voting agreements (the "Voting Agreements"), pursuant to which the Stockholders agreed of common stock of ADE in favor of the Merger and the Merger Agreement. Â KLA has no pec KLA expressly disclaims beneficial ownership of any shares covered by the Voting Agreements.

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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