

**INITIAL STATEMENT OF 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

(Print or Type Responses)

1. Name and Address of Reporting Person* KLA TENCOR CORP  (Last) (First) (Middle) 160 RIO ROBLES  (Street) SAN JOSE, CA 95134  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 02/22/2006	3. Issuer Name and Ticker or Trading Symbol ADE CORP [ADEX]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) See remarks below	
		5. If Amendment, Date Original Filed(Month/Day/Year)	
6. Individual or Joint/Group Filing Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**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 (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KLA TENCOR CORP 160 RIO ROBLES SAN JOSE, CA 95134				See remarks below

**Signatures**

/s/ Stuart J. Nichols, Vice President and General Counsel		03/06/2006
<small>**Signature of Reporting Person</small>		<small>Date</small>

**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).

**Remarks:**

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

