

Roscher Fred  
Form 4/A  
February 06, 2006

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Roscher Fred

2. Issuer Name and Ticker or Trading Symbol  
APPLIED SIGNAL  
TECHNOLOGY INC [APSG]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
400 W. CALIFORNIA AVE  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
05/31/2005

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
Exec. VP Communications Group

SUNNYVALE, CA 95037  
(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)  
11/30/2004

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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 <u>(1)</u> <u>(2)</u>	05/31/2005		J	633 A \$ 13.498	8,408	I	By Wife
Common Stock <u>(3)</u>	09/13/2005		S	6 D \$ 18.71	8,402	I	By Wife
Common Stock <u>(3)</u>	09/13/2005		S	200 D \$ 18.7	8,202	I	By Wife
Common Stock <u>(3)</u>	09/13/2005		S	200 D \$ 18.64	8,002	I	By Wife
Common Stock <u>(3)</u>	09/13/2005		S	200 D \$ 18.53	7,802	I	By Wife

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Common Stock <sup>(3)</sup>	09/13/2005	S	400	D	\$ 18.58	7,402	I	By Wife
Common Stock <sup>(3)</sup>	09/13/2005	S	500	D	\$ 18.6	6,902	I	By Wife
Common Stock <sup>(3)</sup>	09/13/2005	S	916	D	\$ 18.63	5,986	I	By Wife
Common Stock	09/29/2005	M	1,500	A	\$ 15.5	7,486	I	By Wife

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(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 of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Stock Option (Right to Buy)	\$ 15.5	09/29/2005		M	1,500	11/20/1999 11/20/2005	Common Stock	1,500

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Roscher Fred 400 W. CALIFORNIA AVE SUNNYVALE, CA 95037			Exec. VP Communications Group	

## Signatures

Fred Roscher

02/05/2006

\_\_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) Shares acquired through Applied Signal Technology, Inc. Employee Stock Purchase Plan in a transaction exempt under old capital rule 16b-3.
- (2) This Amended Form 4 is amending the September 26, 2005 Amended Form 4, which was originally for the November 30, 2004 Form 4.
- (3) The sale of common stock is being corrected to show an indirect ownership, which was originally filed as a direct ownership.

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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