

APPLIED SIGNAL TECHNOLOGY INC  
 Form 3  
 December 03, 2004

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Roscher Fred		(Month/Day/Year)	APPLIED SIGNAL TECHNOLOGY INC [APSG]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
400 W. CALIFORNIA AVE			(Check all applicable)	
(Street)			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below)    (specify below) Exec. VP Communications Group	
SUNNYVALE,Â CAÂ 95037			6. Individual or Joint/Group Filing(Check Applicable Line)	
(City)	(State)	(Zip)	<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)
Common Stock	7,369	D	Â

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

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

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				Shares		(I) (Instr. 5)	
Option Right to Buy <sup>(1)</sup>	11/20/1999	11/20/2005	Common Stock	2,500	\$ 15.5	D	Â
Option Right to Buy <sup>(1)</sup>	11/18/2001	11/18/2007	Common Stock	1,500	\$ 11.625	D	Â
Options Right to Buy <sup>(2)</sup>	01/12/2002	11/12/2006	Common Stock	8,000	\$ 5.25	D	Â
Options Right to Buy <sup>(3)</sup>	02/29/2008	02/28/2013	Common Stock	12,000	\$ 13.39	D	Â

## Reporting Owners

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

## Signatures

Fred Roscher 12/03/2004

\_\_Signature of  
Reporting Person

Date

## Explanation of Responses:

\* 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).

(1) The options vests and becomes exercisable over 2 years at 100% vested on 11/20/1999.

(2) Options granted under the 91 Plan with a 8-year term and vest at the rate of 20 percent one year after the grant date with the remaining shares vesting at the rate of 1/60 per month over the remaining 60 months, or 100 percent vesting five years after the grant date.

(3) Options granted under the 2001 Plan with 10 year term and vest at the rate of 20 percent one year after the grant date with the remaining shares vesting at the rate of 1/60 per month over the remaining 60 months, or 100 percent vesting five years after the grant date.

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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