

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
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<b>1. Name and Address of Reporting Person*</b> <u>ADDIEGO GINETTO</u>  (Last) (First) (Middle) <u>C/O APPLIED MATERIALS, INC.</u> <u>3050 BOWERS AVE, M/S 1268 P.O. BOX 58039</u>  (Street) <u>SANTA CLARA CA 95054</u>  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>APPLIED MATERIALS INC /DE [ AMAT ]</u>	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable)  Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>SVP, Engineer., Ops. &amp; Quality</u>
	<b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>12/01/2016</u>	
		<b>6. Individual or Joint/Group Filing (Check Applicable Line)</b>  <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 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	12/01/2016		A		36,097 <sup>(1)</sup>	A	\$0	258,243	D	
Common Stock	12/01/2016		A		37,376 <sup>(2)</sup>	A	\$0	295,619	D	
Common Stock	12/01/2016		A		37,376 <sup>(3)</sup>	A	\$0	332,995 <sup>(4)</sup>	D	
Common Stock								224.617 <sup>(5)</sup>	I	By 401(k) Plan

**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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

**Explanation of Responses:**

- Represents performance shares acquired based on achievement of specified performance goals related to performance shares previously granted. This acquisition is exempt under Rule 16b-3. The shares are subject to vesting as follows: 18,049 shares are scheduled to vest on December 19, 2016 and 9,024 shares are scheduled to vest on December 19 of each of 2017 and 2018 (all vesting is subject to continued employment through each applicable vest date).
- Represents performance shares that will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting, which vesting is scheduled to occur on December 19, 2019, depending on the achievement of specified performance goals and continued employment through the vest date. The number of shares shown is the target amount, and the actual number of shares that may vest ranges from 0% to 200% of the target amount, depending on the achievement of specified performance goals.
- Represents restricted stock units that will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting, which vesting is scheduled to occur in three equal annual installments beginning December 19, 2017, depending on the achievement of specified performance goals and continued employment through each applicable vest date.
- Number of shares includes 146,691 performance shares previously reported that in the future will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting, which vesting is scheduled to occur as follows: (a) 54,147 shares are scheduled to vest in installments in December of each of 2016 through 2018, and (b) 92,544 shares that are scheduled to vest in installments in December of each of 2016 through 2019, which number of shares is the target amount, and the actual number of shares that may vest is up to 150% of the target amount, depending on achievement of specified performance goals (all vesting is subject to continued employment through each applicable vest date).
- Increased number of shares reflects dividend reinvestment under 401(k) Plan that is exempt under Rule 16b-3.

/s/ Harpreet S. Bal, Attorney- 12/05/2016  
in-Fact

\*\* Signature of Reporting Person Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.