JANKER FRANZ Form 4

December 15, 2005

Shares (or

Restricted

(3)

Stock Units)

12/13/2005

Check t if no lor subject Section Form 4 Form 5 obligati may cor See Inst 1(b).	his box nger to 16. or Filed pursuan Section 17(a) of	T OF CHANGES	ton, D.C. 20549 IN BENEFICIA CURITIES of the Securities E Holding Company	AL OWN Exchange y Act of 1	ERSHIP OF Act of 1934, 1935 or Section	OMB Number: Expires: Estimated a burden hou response			
(Print or Type 1. Name and JANKER I	Address of Reporting Perso	Symbol	and Ticker or Tradi	I	5. Relationship of lessuer (Check	Reporting Pers			
INC., 3050	(First) (Middle IED MATERIALS BOWERS AVE., M/S BOX 58039	(Month/Day/Yea 12/13/2005	3. Date of Earliest Transaction (Month/Day/Year)			Director 10% Owner Other (specify below) below) Executive Vice President			
SANTA C	(Street) LARA, CA 95054		Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State) (Zip)	Table I - No	on-Derivative Secur	rities Acqui	ired, Disposed of,	or Beneficial	ly Owned		
1.Title of Security (Instr. 3)		Execution Date, if Trany Co (Month/Day/Year) (In	ransaction(A) or Dispode (D) nstr. 8) (Instr. 3, 4 a	osed of	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)		
Common Stock					15,124 (1)	D			
Common Stock					28,450.628 (2)	I	By the 401(k) Plan		
Performan	ce								

60,000 (4)

A \$0 60,000

D

A

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

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.

SEC 1474 (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 orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo Num Shar
Employee Stock Option (right to buy)	\$ 19.2	12/13/2005		A	250,000	08/31/2006 <u>(5)</u>	12/13/2012	Common Stock	250

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

JANKER FRANZ C/O APPLIED MATERIALS INC. 3050 BOWERS AVE., M/S 2023, PO BOX 58039 SANTA CLARA, CA 95054

Executive Vice President

Signatures

/s/ Mary Zeigler, Attorney-in-Fact

**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) Increased number of shares reflects periodic payroll acquisitions under Employees' Stock Purchase Plan that are exempt under Rule 16a-10 and Rule 16b-3.
- (2) Increased number of shares reflects periodic payroll acquisitions under 401(k) Plan that are exempt under Rule 16b-3.

12/15/2005

- (3) The performance shares will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock immediately upon vesting.
- (4) The performance shares are scheduled to vest in four equal annual installments beginning 8/31/06 (assuming continued employment).

Reporting Owners 2

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(5) Shares become exercisable in four equal annual installments beginning 8/31/06 (assuming continued employment).

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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