

**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	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <b>MAYDAN DAN</b>  (Last) (First) (Middle) <b>C/O APPLIED MATERIALS, INC</b> <b>PO BOX 58039, 3050 BOWERS AVE., M/S 2023</b>  (Street) <b>SANTA CLARA CA 95054</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>APPLIED MATERIALS INC /DE [ AMAT ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <b>12/01/2004</b>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> 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								171,276 <sup>(1)</sup>	D	
Common Stock								693,685 <sup>(2)</sup>	I	By the 401(k) Plan
Common Stock	12/01/2004		G	V	16,000	D	\$0	14,618	I	Support Org <sup>(3)</sup>
Common Stock	02/23/2005		G	V	21,992	D	\$0	301,383	I	Family Ltd. Partnership #2
Common Stock	02/23/2005		G	V	3,615	A	\$0	3,935	I	Maydan Grat #2
Common Stock	02/23/2005		G	V	602	A	\$0	1,269,619	I	Maydan Family Trusts <sup>(4)</sup>
Common Stock	02/23/2005		G	V	7,908	A	\$0	7,909	I	Maydan 1998 CLAT
Common Stock	02/23/2005		G	V	7,908	D	\$0	1	I	Maydan 1998 CLAT
Common Stock	02/23/2005		G	V	7,908	A	\$0	22,526	I	Support Org <sup>(3)</sup>
Common Stock	02/23/2005		G	V	3,501	D	\$0	434	I	Maydan Grat #2
Common Stock	02/23/2005		G	V	3,501	A	\$0	1,273,120	I	Maydan Family Trusts <sup>(4)</sup>
Common Stock								413,456	I	Family Partnership #1

**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)
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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative (Instr. 3)	2. Conversion Date (Month/Day/Year)	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	V (Instr. 8)	A (Instr. 3, 4 and 5)	D (Instr. 3, 4 and 5)	Date Exercisable (Month/Day/Year)	Expiration Date (Month/Day/Year)	Title and Amount of 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 Ownership (Instr. 4)	
1. Increased number of shares reflects periodic payroll acquisitions under the Applied Materials, Inc. Employees' Stock Purchase Plan, which is exempt under Rule 16a-11 and Rule 16b-7.															
2. Increased number of shares reflects acquisitions under 401(k) Plan that are exempt under Rule 16b-3.															
3. Dr. Maydan has no pecuniary interest in these shares, but he does have a controlling interest.															
4. Refers to trusts for the benefit of the reporting person and/or his family.															
/s/ Charmaine Mesina, Attorney-in-Fact											03/10/2005				
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.											Date				
* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).											** Signature of Reporting Person	Title	Number of Shares		

\*\* 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.

POWER OF ATTORNEY

The undersigned hereby constitutes and appoints each of Charmaine Mesina and Mary Zeigler, signing singly, the undersigned's true and lawful attorney-in-fact to:

(1) execute for and on behalf of the undersigned, in the undersigned's capacity as a director and officer of Applied Materials, Inc. (the "Company"), Forms 3, 4 and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5, complete and execute any amendment(s) thereto, and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the Company's Secretary.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 24th day of September, 2002.

/s/ Dan Maydan

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Dan Maydan