

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 8-K

Current Report

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 22, 2002

APPLIED MATERIALS, INC.

(Exact name of registrant as specified in its charter)

0-6920

(Commission File Number)

Delaware

(State or other jurisdiction of
incorporation)

94-165526

(I.R.S. Employer Identification No.)

3050 Bowers Avenue
Santa Clara, CA 95054-3299

(Address of principal executive offices, with zip code)

(408) 727-5555

(Registrant's telephone number, including area code)

N/A

(Former name or former address, if changed since last report)

Item 5. Other Events.

On March 21, 2002, Applied Materials, Inc. (the "Company") issued a press release, the text of which is attached hereto as Exhibit 99.1, announcing that the Board of Directors has approved a two-for-one stock split of the Company's common stock in the form of a 100 percent stock dividend. New shares resulting from this split are expected to be distributed on or about April 16, 2002 to stockholders of record as of April 1, 2002.

Item 7. Financial Statements and Exhibits.

(c) Exhibits.

The following Exhibit is filed as part of this report:

Exhibit	Description
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99.1	Press Release of Applied Materials, Inc. dated March 21, 2002.
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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: March 22, 2002

APPLIED MATERIALS, INC.

By: /s/ Joseph J. Sweeney

Joseph J. Sweeney
Group Vice President
Legal Affairs and Intellectual Property

Release: Immediate

Contact: Carolyn Schwartz (investment community)
(408) 748-5227

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APPLIED MATERIALS ANNOUNCES TWO-FOR-ONE STOCK SPLIT

SANTA CLARA, Calif., March 21, 2002 -- James C. Morgan, chairman and chief executive officer of Applied Materials, Inc., announced today that the Company's Board of Directors has approved a two-for-one stock split of the Company's common stock in the form of a 100 percent stock dividend. New shares resulting from this split are expected to be distributed on or about April 16, 2002 to stockholders of record as of April 1, 2002.

Applied Materials (Nasdaq: AMAT), the largest supplier of products and services to the global semiconductor industry, is one of the world's leading information infrastructure providers. Applied Materials enables Information for Everyone(TM) by helping semiconductor manufacturers produce more powerful, portable and affordable chips. Applied Materials' Web site is <http://www.appliedmaterials.com>.

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