

**UNITED STATES  
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 30, 2007**

**Applied Materials, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**0-6920**  
(Commission File Number)

**94-165526**  
(IRS Employer  
Identification No.)

**3050 Bowers Avenue**  
**P.O. Box 58039**  
**Santa Clara, CA**  
(Address of principal executive offices)

**95052-8039**  
(Zip Code)

**Registrant's telephone number, including area code: (408) 727-5555**

**N/A**  
(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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**Item 7.01 Regulation FD Disclosure.**

On March 30, 2007, Applied Materials, Inc. issued a press release announcing that it has completed its acquisition of the assets and business of Brooks Software, a division of Brooks Automation, Inc. The text of the press release is attached hereto as Exhibit 99.1.

The information in this Form 8-K, including the exhibit, shall not be incorporated by reference into any filing of Applied Materials, Inc., whether made before or after the date hereof, regardless of any general incorporation language in such filing, unless expressly incorporated by specific reference in such filing. The information in this report shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section or Sections 11 and 12(a)(2) of the Securities Act of 1933, as amended.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits

99.1 Press Release issued by Applied Materials, Inc. dated March 30, 2007.

**SIGNATURE**

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.

Applied Materials, Inc.  
(Registrant)

Dated: March 30, 2007

By: /s/ Joseph J. Sweeney  
Joseph J. Sweeney  
*Senior Vice President,  
General Counsel and Corporate Secretary*

**EXHIBIT INDEX**

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<u>Exhibit No.</u>	<u>Description</u>
99.1	Press Release issued by Applied Materials, Inc. dated March 30, 2007.



## NEWS RELEASE

## CONTACT:

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Randy Bane (financial community) 408.986.7977

## Applied Materials Completes Acquisition of Brooks Software

SANTA CLARA, Calif., March 30, 2007 – Applied Materials, Inc. today announced that it has completed its acquisition of the assets and business of Brooks Software, a division of Brooks Automation, Inc. Brooks Software is a leading provider of factory management and control software to the semiconductor and flat panel display industries. Under the terms of the agreement, Applied Materials paid \$125 million in cash for Brooks Software, subject to post-closing adjustment.

“Brooks Software’s products complement our existing software solutions and will enable us to serve our customers on a more comprehensive level,” said Manfred Kerschbaum, senior vice president and general manager of Applied Global Services. “Combining these applications will allow us to create a powerful computer integrated manufacturing (CIM) solution that can be rapidly deployed to customers and continuously supported by Applied Materials’ global service teams across the entire lifecycle of a factory.”

The Brooks Software business and employees are now part of Applied Global Services under the management of Jeremy Read, general manager of the eService Solutions division. With this acquisition, Applied Materials has the semiconductor industry’s largest portfolio of factory management software designed to improve customers’ fab productivity and efficiency.

This press release contains forward-looking statements relating to Applied Materials’ acquisition of the Brooks Software business and expected benefits of the transaction, including technology leadership and improved product capabilities. These statements are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those stated or implied, including but not limited to: sustainability of demand in the semiconductor and semiconductor-related industries, which is subject to many factors, including global economic conditions, business and consumer spending, demand for electronic products and integrated circuits, and geopolitical uncertainties; the company’s ability to integrate acquired technologies into product offerings and achieve market acceptance; the company’s ability to realize synergies expected to result from the acquisition; retention of key employees; unknown, underestimated or undisclosed commitments or liabilities; and other risks described in Applied Materials’ SEC filings. All forward-looking statements are based on management’s estimates, projections and assumptions as of the date hereof and Applied Materials assumes no obligation to update any such statement.

Applied Materials, Inc. (Nasdaq: AMAT) is the global leader in Nanomanufacturing Technology™ with a broad portfolio of innovative equipment, service and software products for the fabrication of semiconductor chips, flat panels, solar photovoltaic cells, flexible electronics and energy efficient glass. At Applied Materials, we apply Nanomanufacturing Technology to improve the way people live. Learn more at [www.appliedmaterials.com](http://www.appliedmaterials.com).

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