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): May 16, 2006

Applied Materials, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation)

0-6920 (Commission File Number)

94-1655526 (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:

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

TABLE OF CONTENTS

Item 2.02 Results of Operations and Financial Condition
Item 9.01 Financial Statements and Exhibits
SIGNATURE
EXHIBIT INDEX
EXHIBIT 99.1

Table of Contents

Item 2.02 Results of Operations and Financial Condition.

On May 16, 2006, Applied Materials, Inc. ("Applied Materials") announced its financial results for its second fiscal quarter ended April 30, 2006. A copy of Applied Materials' press release is attached hereto as Exhibit 99.1.

The information contained herein and in the accompanying exhibit shall not be incorporated by reference into any filing of Applied Materials, 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, including the exhibit hereto, 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.

Exhibit No.	Description
99.1	Press Release issued by Applied Materials, Inc. dated May 16, 2006.

Table of Contents

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: May 16, 2006 By: /s/ Joseph J. Sweeney

Joseph J. Sweeney Senior Vice President, General Counsel and Corporate Secretary

EXHIBIT INDEX

Exhibit No.
99.1 Description
Press Release issued by Applied Materials, Inc. dated May 16, 2006.

Release: Immediate

Contact: Randy Bane (investment community) David Miller (editorial/media) (408) 986-7916 (408) 563-9582

APPLIED MATERIALS ANNOUNCES RESULTS FOR SECOND FISCAL QUARTER 2006

- Net Sales: \$2.25 billion (21% increase quarter over quarter; 21% increase year over year)
- Net Income: \$413 million (189% increase quarter over quarter; 35% increase year over year), including charges for equity-based compensation
- EPS: \$0.26 (\$0.17 increase quarter over quarter; \$0.08 increase year over year), including charges for equity-based compensation
- New Orders: \$2.49 billion (22% increase quarter over quarter; 60% increase year over year)

SANTA CLARA, Calif., May 16, 2006 — Applied Materials, Inc., reported results for its second fiscal quarter ended April 30, 2006. Net sales were \$2.25 billion, up 21 percent from \$1.86 billion for the first fiscal quarter of 2006, and up 21 percent from \$1.86 billion for the second fiscal quarter of 2005. Gross margin for the second fiscal quarter of 2006 was 46.5 percent, up from 45.1 percent for the first fiscal quarter of 2006, and up from 44.0 percent for the second fiscal quarter of 2005. Net income for the second fiscal quarter of 2006 was \$413 million, or \$0.26 per share, up from net income of \$143 million, or \$0.09 per share, for the first fiscal quarter of 2005.

Non-GAAP net income was \$453 million, or \$0.29 per share, for the second fiscal quarter of 2006. Non-GAAP adjustments consisted principally of \$55 million of equity-based compensation charges before tax, or \$0.03 per diluted share after tax.

New orders of \$2.49 billion for the second fiscal quarter of 2006 increased 22 percent from \$2.04 billion for the first fiscal quarter of 2006, and increased 60 percent from \$1.55 billion for the second fiscal quarter of 2005. Regional distribution of new orders for the second fiscal quarter of 2006 was: Korea 22 percent, Taiwan 19 percent, North America 18 percent, Japan 17 percent, Southeast Asia and China 14 percent, and Europe 10 percent. Backlog at the end of the second fiscal quarter of 2006 was \$2.93 billion, compared to \$2.73 billion at the end of the first fiscal quarter of 2006.

"Demand for Applied Materials' leading-edge nanomanufacturing technology in the second quarter was strong and broad-based, contributing to our excellent results," said Mike Splinter, president and chief executive officer. "We are delivering on Applied's strategy to grow our core business, expand into adjacent markets and pursue exciting new opportunities such as solar. As we extend our product portfolio, we are further positioning the company to outgrow and outperform the industry."

The company continued to return value to stockholders through stock repurchases and cash dividends. During the second fiscal quarter of 2006, the company repurchased approximately 28 million shares of common stock at an average price of \$18.16 per share for an aggregate purchase price of \$500 million and paid \$48 million in dividends.

This press release includes financial measures that are not in accordance with GAAP, consisting of non-GAAP net income and non-GAAP earnings per share (EPS). Management uses non-GAAP net income and non-GAAP EPS to evaluate the company's operating and financial performance in light of business objectives and for planning purposes. Applied believes that these measures are useful to investors because they enhance investors' ability to review the company's business from the same perspective as the company's management and facilitate comparisons of this period's results with prior periods. These non-GAAP measures exclude charges related to (i) equity-based compensation, and (ii) asset impairment and restructuring activities. These financial measures are not in accordance with GAAP and may be different from non-GAAP methods of accounting and reporting used by other companies. The presentation of this additional information should not be considered a substitute for net income or EPS prepared in accordance with GAAP. Reconciliations of reported net income and reported EPS to non-GAAP net income and non-GAAP EPS, respectively, are included at the end of this press release.

This press release contains forward-looking statements, including statements regarding the company's performance, growth opportunities, technology leadership, strategic position, delivery of stockholder value, and cash deployment strategies. Forward-looking statements may contain words such as "expect," "anticipate," "believe," "may," "should," "will," "estimate," "forecast," "continue" or similar expressions, and include the assumptions that underlie such statements. These statements are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements. Risks and uncertainties include, but are not limited to: the sustainability of demand in the nanomanufacturing technology industry and broadening of demand for emerging applications such as solar, which are subject to many factors, including global economic conditions, business spending, consumer confidence, demand for electronic products and integrated circuits, and geopolitical uncertainties; customers' capacity requirements, including capacity utilizing the latest technology; the timing, rate, amount and sustainability of capital spending for new nanomanufacturing technology; the company's ability to successfully develop, deliver and support a broad range of products and to expand its markets and develop new markets; the successful integration and performance of acquired businesses; the effectiveness of strategic transactions; the company's ability to maintain effective cost controls and to timely align its cost structure with business conditions; the company's ability to effectively manage its resources and production capability, including its supply chain; and other risks described in Applied Materials' Securities and Exchange Commission filings, including its reports on Forms 10-K, 10-Q and 8-K. All forward-looking statements are based on management's estimates, projections and assumptions as of the date hereof. The company undertakes no obligation to update any for

Applied Materials will discuss its second fiscal quarter 2006 results, along with its outlook for the third fiscal quarter of 2006, on a conference call today beginning at 1:30 p.m. Pacific Daylight Time. A webcast of the conference call will be available on Applied Materials' web site.

Applied Materials, Inc. (Nasdaq: AMAT), is the global leader in nanomanufacturing technology solutions for the electronics industry with a broad portfolio of innovative equipment, service and software products. At Applied Materials, we apply nanomanufacturing technology to improve the way people live. Learn more at www.appliedmaterials.com.

APPLIED MATERIALS, INC. CONSOLIDATED CONDENSED STATEMENTS OF OPERATIONS

	Three Mor	nths Ended	Six Mont	hs Ended
(In thousands, except per share amounts)	May 1, 2005	April 30, 2006	May 1, 2005	April 30, 2006
Net sales	\$1,861,189	\$2,247,686	\$3,641,765	\$4,105,278
Cost of products sold	1,042,759	1,203,061	2,033,110	2,222,954
Gross margin	818,430	1,044,625	1,608,655	1,882,324
Operating expenses:				
Research, development and engineering	225,589	275,883	467,351	548,760
Marketing and selling	92,448	97,706	170,278	198,479
General and administrative	88,875	111,543	177,298	216,806
Restructuring and asset impairments	_	(1,578)	_	213,269
Income from operations	411,518	561,071	793,728	705,010
Interest expense	9,815	9,235	19,087	17,940
Interest income	40,449	48,630	77,107	97,321
Income before income taxes	442,152	600,466	851,748	784,391
Provision for income taxes	137,322	187,652	258,153	228,797
Net income	\$ 304,830	\$ 412,814	\$ 593,595	\$ 555,594
Earnings per share:				
Basic	\$ 0.18	\$ 0.26	\$ 0.36	\$ 0.35
Diluted	\$ 0.18	\$ 0.26	\$ 0.35	\$ 0.35
Weighted average number of shares:				
Basic	1,660,584	1,576,548	1,666,627	1,585,577
Diluted	1,671,822	1,586,404	1,679,443	1,596,247

APPLIED MATERIALS, INC. CONSOLIDATED CONDENSED BALANCE SHEETS

(In thousands)	October 30, 2005*	April 30, 2006
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 990,342	\$ 1,376,680
Short-term investments	2,342,952	1,952,097
Accounts receivable, net	1,615,504	1,948,873
Inventories	1,034,093	1,083,372
Deferred income taxes	581,183	648,858
Assets held for sale	_	55,763
Other current assets	271,003	269,980
Total current assets	6,835,077	7,335,623
Long-term investments	2,651,927	2,500,972
Property, plant and equipment	3,011,110	2,722,384
Less: accumulated depreciation and amortization	(1,736,086)	(1,681,891)
Net property, plant and equipment	1,275,024	1,040,493
Goodwill, net	338,982	347,677
Purchased technology and other intangible assets, net	81,093	75,169
Deferred income taxes and other assets	87,054	151,822
Total assets	\$11,269,157	\$11,451,756
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Current portion of long-term debt	\$ 7,574	\$ 2,542
Accounts payable and accrued expenses	1,618,042	1,894,239
Income taxes payable	139,798	290,748
Total current liabilities	1,765,414	2,187,529
Long-term debt	407,380	406,905
Other liabilities	167,814	238,652
Total liabilities	2,340,608	2,833,086
Stockholders' equity:		
Common stock	16,067	15,638
Additional paid-in capital	721,937	10,135
Retained earnings	8,227,793	8,657,575
Accumulated other comprehensive loss	(37,248)	(64,678)
Total stockholders' equity	8,928,549	8,618,670
Total liabilities and stockholders' equity	\$11,269,157	\$11,451,756

^{*} Certain amounts in the October 30, 2005 consolidated condensed balance sheet have been reclassified to conform to the 2006 presentation.

APPLIED MATERIALS, INC. RECONCILIATION OF GAAP TO NON-GAAP RESULTS

	Thre	ee Months Ended	Six M	Ionths Ended
(In thousands, except per share amounts)	May 1, 2005	April 30, 2006	May 1, 2005	April 30, 2006
Non-GAAP Net Income				
Reported net income (GAAP basis)	\$ 304,830	0 \$ 412,814	\$ 593,595	\$ 555,594
Equity-based compensation expense ¹	_	- 55,080	_	107,032
Restructuring and asset impairments ²	_	- (1,578)	_	213,269
Income tax effect of non-GAAP adjustments	_	- (13,007)	_	(110,487)
Non-GAAP net income	\$ 304,830	0 \$ 453,309	\$ 593,595	\$ 765,408
Non-GAAP Net Income Per Diluted Share				
Reported net income per diluted share (GAAP basis)	\$ 0.18	8 \$ 0.26	\$ 0.35	\$ 0.35
Equity-based compensation expense	_	- 0.03	_	0.05
Restructuring and asset impairments	_		_	0.08
Non-GAAP net income — per diluted share	\$ 0.18	8 \$ 0.29	\$ 0.35	\$ 0.48
-				
Shares used in diluted shares calculation	1,671,822	2 1,586,404	1,679,443	1,596,247

Applied began expensing stock options in the first quarter of fiscal 2006.

Results for the six months ended April 30, 2006, included pre-tax asset impairment and restructuring charges of \$213 million, or \$0.08 per diluted share after tax, associated primarily with the facilities disinvestment program initiated in the first fiscal quarter of 2006. Results for the three months ended April 30, 2006, included a net pre-tax benefit of \$2 million consisting of adjustments associated with realignment programs of prior years, partially offset by costs associated with the facilities disinvestment program.