

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form 10-K/A
(Amendment No. 1)

(Mark one)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended October 25, 2009

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Commission file number 000-06920

Applied Materials, Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

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

94-1655526
(I.R.S. Employer Identification No.)

95052-8039
(Zip Code)

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

Securities registered pursuant to Section 12(b) of the Act:

Title of Each Class	Name of Each Exchange on Which Registered
Common Stock, par value \$.01 per share	The NASDAQ Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act:

None

Indicate by check mark if the registrant is a well-known, seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company
(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

Aggregate market value of the voting stock held by non-affiliates of the registrant as of April 26, 2009, based upon the closing sale price reported by the NASDAQ Global Select Market on that date: \$15,579,209,892

Number of shares outstanding of the registrant's Common Stock, \$.01 par value, as of November 20, 2009: 1,341,259,033

Explanatory Note

Applied Materials, Inc. is filing this Amendment No. 1 to its Annual Report on Form 10-K for the fiscal year ended October 25, 2009, filed with the Securities and Exchange Commission on December 11, 2009, for the sole purpose of furnishing in interactive data format Schedule II, "Valuation and Qualifying Accounts — Allowance for Doubtful Accounts," which was inadvertently omitted from the interactive data submission.

For reference purposes only, the index to exhibits related to Exhibit 101 (for interactive data files) is set forth below.

INDEX TO EXHIBITS

These Exhibits are numbered in accordance with the Exhibit Table of Item 601 of Regulation S-K:

<u>Exhibit No.</u>	<u>Description</u>
101.INS	XBRL Instance Document †
101.SCH	XBRL Taxonomy Extension Schema Document †
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document †
101.LAB	XBRL Taxonomy Extension Definition Linkbase Document †
101.PRE	XBRL Taxonomy Extension Label Linkbase Document †
101.DEF	XBRL Taxonomy Extension Presentation Linkbase Document †

† This exhibit is being furnished rather than filed, and shall not be deemed incorporated by reference into any filing, in accordance with Item 601 of Regulation S-K

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

APPLIED MATERIALS, INC.

By: /s/ JOSEPH J. SWEENEY

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

Dated: December 18, 2009