

NANOMETRICS INC  
Form 8-K  
November 27, 2007

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**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**

**November 27, 2007**

**Date of Report (date of earliest event reported)**

**Nanometrics Incorporated**

**(Exact name of Registrant as specified in charter)**

|  |   |  |
|--|---|--|
| <b>Delaware</b><br><b>(State or other jurisdiction of incorporation)</b> | <b>0-13470</b><br><b>(Commission File Number)</b> | <b>94-2276314</b><br><b>(I. R. S. Employer Identification No.)</b> |
| <b>1550 Buckeye Drive, Milpitas, California 95035</b>                    |   |  |

**(Address of principal executive offices)**

Registrant's telephone number, including area code: **(408) 545-6000**

**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))

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“ 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 November 27, 2007, Bruce C. Rhine, Chairman of the Board of Nanometrics Incorporated (the Company) will deliver an analyst presentation that includes the slides filed as Exhibit 99.1 to this report which are incorporated herein by reference.

The information in this current report on Form 8-K and the exhibit attached hereto shall not be deemed filed for the purposes of Section 18 of the Securities Exchange Act of 1934 (the Exchange Act) nor otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, or the Exchange Act, regardless of any general incorporation language in such filing.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits.

| <b>Exhibit No.</b> | <b>Description</b>   |
|--------------------|--|
| 99.1               | Slide presentation for analyst conference on November 27, 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.

Dated: November 26, 2007

NANOMETRICS INCORPORATED

/s/ Timothy J. Stultz  
Timothy J. Stultz

President and Chief Executive Officer

**INDEX TO EXHIBITS**

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