VARIAN MEDICAL SYSTEMS INC
Form 8-K
April 23, 2008

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) **April 23, 2008**

VARIAN MEDICAL SYSTEMS, INC.
(Exact Name of Registrant as Specified in its Charter)

Delaware	**1-7598**	**94-2359345**
(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)

3100 Hansen Way, Palo Alto, CA **94304-1030**
(Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code **(650) 493-4000**

Not Applicable
(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 (see General Instruction A.2. below):

¨ 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))

Item 2.02. Results of Operations and Financial Condition.

On April 23, 2008, Varian Medical Systems, Inc. announced that: “Varian Medical Systems Reports Strong Growth in Net Earnings, Operating Earnings, Revenues, and Backlog for Second Quarter of Fiscal Year 2008.” A copy of the press release is attached as Exhibit 99.1 and incorporated by reference into this item.

Item 9.01. Financial Statements and Exhibits.

(c) Exhibits.

99.1 Press Release dated April 23, 2008 entitled “Varian Medical Systems Reports Strong Growth in Net Earnings, Operating Earnings, Revenues, and Backlog for Second Quarter of Fiscal Year 2008.”

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.

Varian Medical Systems, Inc.

By: /s/ JOHN W. KUO

Name: John W. Kuo
Title: Corporate Vice President, General Counsel and Secretary

Dated: April 23, 2008

EXHIBIT INDEX

Number	Exhibit
99.1	Press Release dated April 23, 2008 entitled "Varian Medical Systems Reports Strong Growth in Net Earnings, Operating Earnings, Revenues, and Backlog for Second Quarter of Fiscal Year 2008."