

BOSTROM SUSAN L
 Form 4
 May 06, 2010

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 BOSTROM SUSAN L

2. Issuer Name and Ticker or Trading Symbol
 VARIAN MEDICAL SYSTEMS INC [VAR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 05/05/2010

Director 10% Owner
 Officer (give title below) Other (specify below)

C/O VARIAN MEDICAL SYSTEMS, INC., 3100 HANSEN WAY, MAIL STOP E-327

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

PALO ALTO, CA 94304

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code			4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)	
			Code	V	Amount					(A) or (D)
Common Stock	05/05/2010		M		10,000	A	\$ 41.45	14,750	D	
Common Stock	05/05/2010		M		8,000	A	\$ 49.74	22,750	D	
Common Stock	05/05/2010		M		5,000	A	\$ 37.17	27,750	D	
Common Stock	05/05/2010		M		5,000	A	\$ 47.58	32,750	D	
	05/05/2010		S		32,000	D		750	D	

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Common Stock \$ 56,2018
(1)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
Non-qualified Stock Option (Right to Buy)	\$ 41.45	05/05/2010		M	10,000	<u>(2)</u> 05/28/2014	Common Stock
Non-qualified Stock Option (Right to Buy)	\$ 49.74	05/05/2010		M	8,000	02/16/2007 ⁽³⁾ 02/16/2014	Common Stock
Non Qualified Stock Option (Right to Buy)	\$ 37.17	05/05/2010		M	5,000	02/13/2009 ⁽⁴⁾ 02/13/2016	Common Stock
Non Qualified Stock Option (Right to Buy)	\$ 47.58	05/05/2010		M	5,000	02/12/2010 ⁽⁵⁾ 02/12/2017	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BOSTROM SUSAN L C/O VARIAN MEDICAL SYSTEMS, INC. 3100 HANSEN WAY, MAIL STOP E-327 PALO ALTO, CA 94304	X			

Signatures

/s/ Kimberley E. Honeysett, Attorney in Fact for Susan L.
Bostrom

05/06/2010

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The 32,000 shares were sold in multiple transactions executed on the same day at prices ranging from \$56.19 to \$56.23. The detailed breakdown of executed sales will be furnished upon request.
- (2) Stock option granted under the Varian Medical Systems, Inc. Omnibus Stock Plan, which complies with Rule 16b-3.
- (3) Stock option granted under the Varian Medical Systems, Inc. Second Amended and Restated 2005 Omnibus Stock Plan, which complies with Rule 16b-3.
- (4) Stock option granted under the Varian Medical Systems, Inc. Second Amended and Restated 2005 Omnibus Stock Plan, which complies with Rule 16b-3.
- (5) Stock option granted under the Varian Medical Systems, Inc. Second Amended and Restated 2005 Omnibus Stock Plan, which complies with Rule 16b-3.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.