

KLUGE ROBERT H  
Form 4  
August 11, 2010

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
KLUGE ROBERT H

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)  
C/O VARIAN MEDICAL SYSTEM, 3100 HANSEN WAY, MAIL STOP E-327  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
08/10/2010

\_\_\_\_ Director  
 Officer (give title below) \_\_\_\_\_ 10% Owner  
\_\_\_\_\_ Other (specify below)  
Corp VP; Pres. X-Ray Products

PALO ALTO, CA 94304  
(City) (State) (Zip)

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

**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 (Instr. 8)	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 or Price		
Common Stock	08/10/2010		M		9,875 A \$ 32.095	D	
Common Stock	08/10/2010		M		10,125 A \$ 39.85	D	
Common Stock	08/10/2010		S <sup>(1)</sup>		20,000 D \$ 57	D	
Common Stock	08/10/2010		F		559 <sup>(2)</sup> D \$ 56.59	D	



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Stock option granted under the Varian Medical Systems, Inc. Omnibus Stock Plan which complies with Rule 16(b)-3. The option vests as follows: one third on 11/11/2004, and the remaining shares in equal installments over the 24-month period following the first vesting date.

- (4) Stock option granted under the Varian Medical Systems, Inc. Omnibus Stock Plan, which complies with new Rule 16b-3. The option vests as follows: one third on 11/18/05, and the remaining shares in 24 equal installments over the 24 months following the first vesting date.

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.