

VERHOEF CLARENCE R  
Form 3/A  
August 27, 2012

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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)

<p>1. Name and Address of Reporting Person *</p> <p>Â VERHOEF CLARENCE R</p> <p>(Last) (First) (Middle)</p> <p>C/O VARIAN MEDICAL SYSTEMS, INC., Â 3100 HANSEN WAY, MAIL STOP E327</p> <p>(Street)</p> <p>PALO ALTO, Â CA Â 94304-1038</p> <p>(City) (State) (Zip)</p>	<p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>08/11/2012</p>	<p>3. Issuer Name and Ticker or Trading Symbol</p> <p>VARIAN MEDICAL SYSTEMS INC [VAR]</p>	<p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) SVP, Finance, Corp Controller</p>	<p>5. If Amendment, Date Original Filed(Month/Day/Year)</p> <p>08/17/2012</p>	<p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person</p>
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	464 <sup>(1)</sup>	D <sup>(1)</sup>	Â
Common Stock	3,711 <sup>(1)</sup>	I <sup>(1)</sup>	By Trust

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
VERHOEF CLARENCE R C/O VARIAN MEDICAL SYSTEMS, INC. 3100 HANSEN WAY, MAIL STOP E327 PALO ALTO, CA 94304-1038	Â	Â	Â SVP, Finance, Corp Controller	Â

## Signatures

/s/ Clarence R.  
Verhoef

08/27/2012

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(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).

The amended Form 3 is being filed to correctly disclose that a portion of the number of shares originally disclosed are held in a trust of (1) which the reporting person is a co-trustee. The original Form 3 incorrectly disclosed that all the shares were directly held by the reporting person.

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.