CHEN TAI-YUN Form 4 January 03, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * CHEN TAI-YUN			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 SYSTEMS, INC., 3100 HANSEN WAY M/S E-327			3. Date of Earliest Transaction (Month/Day/Year) 12/30/2011					Director 10% Owner Self-width of the distribution o			
PALO ALT				endment, Date Original nth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								ly Owned		
1.Title of Security (Instr. 3)	2. Transaction Da (Month/Day/Year	n Date 2A. Deemed Year) Execution Date, if any (Month/Day/Year)		3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price			of (D)	Securities Ownership In Beneficially Form: Direct Bo Owned (D) or O		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	12/30/2011			M	14,074	` ′	\$ 37.17	23,700	D		
Common Stock	12/30/2011			S <u>(1)</u>	14,074	D	\$ 67.17	9,626 (2)	D		
Common Stock								3,561.785	I	By 401k Plan	

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

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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. 5. Number of TransactionDerivative Code Securities (Instr. 8) 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 Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non Qualified Stock Option (Right to Buy)	\$ 37.17	12/30/2011		M	14,074	(3)	02/13/2016	Common Stock	14,074

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

CHEN TAI-YUN C/O VARIAN MEDICAL SYSTEMS, INC. 3100 HANSEN WAY M/S E-327 PALO ALTO, CA 94304

VP and Corporate Controller

Signatures

/s/ Franco N. Palomba, Attorney in Fact for Tai-Yun

Chen 01/03/2012

**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) This transaction is pursuant to the filer's SEC Rule10b5-1 Stock Plan
- (2) Amount of securities beneficially owned at the end of the reporting period reflect 298 shares purchased on October 28, 2011 under the Varian Medical Systems, Inc. Employee Stock Purchase Plan.
- Stock option granted under the Varian Medical Systems, Inc. Second Amended and Restated 2005 Omnibus Stock Plan, which complies with Rule 16b-3. The option vests as follows: one third on 2/13/2010, 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.

Reporting Owners 2

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