

CHEN TAI-YUN
Form 4
March 26, 2010

FORM 4

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

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

OMB APPROVAL

OMB
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(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)
03/25/2010

____ Director ____ 10% Owner
X Officer (give title below) ____ Other (specify below)
VP and Corporate Controller

(Street)
PALO ALTO, CA 94304

4. If Amendment, Date Original
Filed(Month/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) (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 (Instr. 8)	4. Securities Acquired 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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	03/25/2010		M	(A) or (D) Amount 12,000 Price \$ 39.85	24,327	D	
Common Stock	03/25/2010		S ⁽¹⁾	12,000 D \$ 55	12,327	D	
Common Stock					3,405.597	I	By 401k Plan

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

**Persons who respond to the collection of
information contained in this form are not**

SEC 1474
(9-02)

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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. 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)	Amount or Number of Shares
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Non-qualified Stock Option (Right to Buy)	\$ 39.85	03/25/2010		M	12,000	(2) 11/18/2014	Common Stock	12,000

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/ John A. Thorson, Attorney in Fact for Tai-Yun
Chen

03/26/2010

__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) This transaction is pursuant to the filer's SEC Rule 10b5-1 Stock Plan

(2) Stock option granted under the Varian Medical Systems, Inc. 2000 Stock Plan, which complies with 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.

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