

Shaffer Maureen
Form 3
February 16, 2007

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)

1. Name and Address of Reporting Person *

Shaffer Maureen
(Last) (First) (Middle)

6033 SCHUMACHER PARK DRIVE

(Street)

WEST CHESTER, OH 45069

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)
02/08/2007

3. Issuer Name and Ticker or Trading Symbol
AtriCure, Inc. [ATRC]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer Other
(give title below) (specify below)
Vice President, Marketing

5. 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 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)

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

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Security (Instr. 4)

2. Date Exercisable and Expiration Date (Month/Day/Year)

Date Exercisable Expiration Date

3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

Title Amount or Number of Shares

4. Conversion or Exercise Price of Derivative Security

5. Ownership Form of Derivative Security: Direct (D) or Indirect (I)

6. Nature of Indirect Beneficial Ownership (Instr. 5)

(Instr. 5)

Stock Option (Right to Buy)	10/06/2005 ⁽¹⁾	10/06/2014	Common Stock	3,947	\$ 3.23	D	Â
Stock Option (Right to Buy)	12/07/2006 ⁽²⁾	12/07/2015	Common Stock	5,000	\$ 13.18	D	Â
Stock Option (Right to Buy)	09/06/2007 ⁽³⁾	09/06/2016	Common Stock	11,053	\$ 6.34	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Shaffer Maureen 6033 SCHUMACHER PARK DRIVE WEST CHESTER, OH 45069	Â	Â	Â Vice President, Marketing	Â

Signatures

/s/ Maureen A.
Shaffer

02/16/2007

__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).
- (1) Exercisable cumulatively at a rate of 25% per annum commencing on October 6, 2005 (one year from the date of grant).
 - (2) The option vests and is exercisable as to 25% of the shares on December 7, 2006 (one year from the date of grant) and the remaining 75% thereafter vests and is exercisable in equal monthly installments on the same day of the month over the following three years.
 - (3) The option vests and is exercisable as to 25% of the shares on September 6, 2007 (one year from the date of grant) and the remaining 75% thereafter vests and is exercisable in equal monthly installments on the same day of the month over the following three years.

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.