Cambridge Stephen S Form 3 November 10, 2005

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

OMB APPROVAL

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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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *

Cambridge Stephen S

(Last) (First)

(Middle)

Statement

(Month/Day/Year)

11/01/2005

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

AtriCure, Inc. [ATRC]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Vice President; Sales

5. If Amendment, Date Original

Filed(Month/Day/Year)

6033 SCHUMACHER PARK **DRIVE**

(Street)

Director _X__ Officer

10% Owner Other (give title below) (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting

Person

Form filed by More than One Reporting Person

4. Nature of Indirect Beneficial

WEST CHESTER, OHÂ 45069

(State)

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security

(Instr. 4)

(City)

2. Amount of Securities Beneficially Owned

(Instr. 4)

Ownership Form:

Ownership (Instr. 5)

Direct (D) or Indirect (I) (Instr. 5)

SEC 1473 (7-02)

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

(Zip)

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)

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

4. Conversion or Exercise Price of

5. Ownership Form of Derivative (Instr. 5)

6. Nature of Indirect Beneficial Ownership

Date Exercisable Expiration

Date

Title

Amount or Number of Shares

Derivative Security

Security: Direct (D) or Indirect (I)

						(Instr. 5)	
Stock Option (Right to Buy)	01/27/2003(1)	01/27/2012	Common Stock	2,631	\$ 3.8	D	Â
Stock Option (Right to Buy)	08/09/2003(2)	08/09/2012	Common Stock	13,157	\$ 1.33	D	Â
Stock Option (Right to Buy)	02/05/2004(3)	02/05/2013	Common Stock	2,631	\$ 1.52	D	Â
Stock Option (Right to Buy)	04/01/2004(4)	04/01/2013	Common Stock	2,631	\$ 1.52	D	Â
Stock Option (Right to Buy)	12/09/2005(5)	12/09/2014	Common Stock	1,315	\$ 3.23	D	Â
Stock Option (Right to Buy)	08/05/2006(6)	08/05/2015	Common Stock	2,631	\$ 12	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
1	Director	10% Owner	Officer	Other		
Cambridge Stephen S			Vice			
6033 SCHUMACHER PARK DRIVE	Â	Â	President;	Â		
WEST CHESTER, OH 45069			Sales			

Signatures

/s/ Thomas J. Etergino as Attorney-in-Fact for Stephen S.

Cambridge

11/09/2005

**Signature of Reporting Person

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).

Date

- (1) Exercisable cumulatively at a rate of 25% per annum commencing on January 27, 2003 (one year from the date of grant).
- (2) Exercisable cumulatively at a rate of 25% per annum commencing on August 9, 2003 (one year from the date of grant).
- (3) Exercisable cumulatively at a rate of 25% per annum commencing on February 5, 2004 (one year from the date of grant).
- (4) Exercisable cumulatively at a rate of 25% per annum commencing on April 1, 2004 (one year from the date of grant).
- (5) Exercisable cumulatively at a rate of 25% per annum commencing on December 9, 2005 (one year from the date of grant).
- (6) Exercisable cumulatively at a rate of 25% per annum commencing on August 5, 2006 (one year from the date of grant).

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.

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