

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIESFiled pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Strong Stewart W</u>  (Last) (First) (Middle) <u>6033 SCHUMACHER PARK DRIVE</u>  (Street) <u>WEST CHESTER OH 45069</u>  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>12/05/2007</u>	3. Issuer Name and Ticker or Trading Symbol <u>AtriCure, Inc. [ ATRC ]</u>		5. If Amendment, Date of Original Filed (Month/Day/Year)
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Vice President, U.S. Sales</u>		

## 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)
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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 Derivative Security	5. Ownership Form: 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			
Stock Option (Right to Buy)	10/01/2004 <sup>(1)</sup>	10/01/2013	Common Stock	5,263	1.52	D	
Stock Option (Right to Buy)	04/06/2006 <sup>(2)</sup>	04/06/2015	Common Stock	3,026	11.63	D	
Stock Option (Right to Buy)	08/05/2006 <sup>(3)</sup>	08/05/2015	Common Stock	2,631	12	D	
Stock Option (Right to Buy)	02/08/2007 <sup>(4)</sup>	02/08/2016	Common Stock	5,000	11.06	D	
Stock Option (Right to Buy)	09/06/2007 <sup>(5)</sup>	09/06/2016	Common Stock	29,080	6.34	D	
Stock Option (Right to Buy)	12/06/2007 <sup>(6)</sup>	12/06/2016	Common Stock	2,000	9.7	D	
Stock Option (Right to Buy)	06/20/2008 <sup>(7)</sup>	06/20/2017	Common Stock	15,000	9.5	D	

## Explanation of Responses:

- Exercisable cumulatively at a rate of 25% per annum commencing on October 1, 2004 (one year from the date of grant).
- Exercisable cumulatively at a rate of 25% per annum commencing on April 6, 2006 (one year from the date of grant).
- Exercisable cumulatively at a rate of 25% per annum commencing on August 5, 2006 (one year from the date of grant).
- The option vests and is exercisable as to 25% of the shares on February 8, 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.
- 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.
- The option vests and is exercisable as to 25% of the shares on December 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.
- The option vests and is exercisable as to 25% of the shares on June 20, 2008 (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.

/s/ Stewart W. Strong12/10/2007

\*\* Signature of Reporting Person

Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.