# SEC Form 4

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## 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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

#### OMB APPROVAL 3235-0287 OMB Number: Estimated average burden hours per response: 05

			or Section 30(n) of the investment Company Act of 1940						
1	dress of Reporting		2. Issuer Name <b>and</b> Ticker or Trading Symbol AtriCure, Inc. [ ATRC ]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
<u>HARRISON DONALD C</u>				X	Director	10% Owner			
(Last) (First) (Middle) 6033 SCHUMACHER PARK DR		( )	3. Date of Earliest Transaction (Month/Day/Year) 05/21/2009		Officer (give title below)	Other (specify below)			
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	lividual or Joint/Group Filing (Check Applicab				
WEST	ОН	45069		X	Form filed by One Reporting Person				
CHESTER					Form filed by More th Person	an One Reporting			
(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. Transa Code ( 8)					5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(1130.4)
Common Stock	05/21/2009		Α		1,937	Α	<b>\$0</b> <sup>(1)</sup>	196,016	D	

### 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. Transa Code ( 8)				6. Date Exercis Expiration Dat (Month/Day/Ye	e	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$2.58	05/21/2009		A		10,000		05/21/2010 <sup>(2)</sup>	05/21/2019	Common Stock	10,000	(3)	10,000	D	

Explanation of Responses:

1. Restricted shares awarded pursuant to the AtriCure, Inc. 2005 Equity Incentive Plan for services as a director. The shares will cliff vest and be released on May 21, 2010.

2. Exercisable cumulatively at a rate of 33.33% per annum commencing on the earlier of (i) the anniversary of the date of grant (May 21) and (ii) the date on which the Company?s annual meeting of stockholders is held that year, provided Dr. Harrison is a director immediately prior to such annual meeting.

3. Not applicable.



05/26/2009

\*\* Signature of Reporting Person

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 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).

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.

Date