FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL								
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Wade M. Andrew (Mor		Date of Event Requiring Staten Month/Day/Year 1/01/2012	nent	3. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]							
(Last) 6217 CENTR	(First) E PARK DRIV	(Middle)	,		Relationship of Reporting Perso (Check all applicable) Director Officer (give title)		10% Owner Other (specify		5. If Amendment, Date of Original Filed (Month/Day/Year) 11/05/2012		
(Street) WEST CHESTER (City)	OH (State)	45069 (Zip)			VP and Chief Financ		below) cial Officer		6. Individual or Joint/Group Filing (Check Applicable Line) X 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)				nt of Securities ally Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)		4. Nature of Indirect Beneficial Ownership (Instr. 5)				
Common Stock					7,758 ⁽¹⁾	D					
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)											
1. Title of Derivative Security (Instr. 4) 2. Date Exercisal Expiration Date (Month/Day/Year)		ate	and 3. Title and Amount of Secur Underlying Derivative Secur		ity (Instr. 4) Conv or Ex		ersion ercise	5. Ownership Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)		
			Date Exercisable	Expiration Date	on Title		Amount or Number of Shares	Price of Derivation Securi	tive	Direct (D) or Indirect (I) (Instr. 5)	

Explanation of Responses:

 $1.\ Includes\ 1,938\ shares\ acquired\ under\ the\ AtriCure,\ Inc.\ 2008\ Employee\ Stock\ Purchase\ Plan.$

/s/ M. Andrew Wade

01/24/2013

** 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.