FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-02								

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB Number: 3235-028							
Estimated average burden							
hours per response:	0.5						

1. Name and Address of Reporting Person* Seith Douglas J (Last) (First) (Middle) 6217 CENTRE PARK DRIVE					2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC] 3. Date of Earliest Transaction (Month/Day/Year) 05/20/2013										5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) SVP of Sales and Marketing				Owner (specify
(Street) WEST CHESTE			45069 Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
		Tab	le I - Noi	n-Deriv	/ative	Se	curitie	s Acc	quired,	Dis	posed o	f, o	r Ben	efici	ally Owi	ned			
1. Title of Security (Instr. 3) 2. Transa Date (Month/D						Exection (a) Exection (a) Exection (b) Exection (c) Exect		. Deemed ecution Date, any onth/Day/Year)		Transaction Disposed Code (Instr. 5)		rities Acquired (A ed Of (D) (Instr. 3,			nd Secu Bene Own	5. Amount of Securities Beneficially Owned Following Reported		Ownership m: Direct or Indirect Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount		(A) or (D)	Price	Tran	Transaction(s) (Instr. 3 and 4)			(
Common	Common Stock 05/20				0/2013	3			F		661(1	661 ⁽¹⁾ D		\$9.	05	49,740		D	
		Ta	able II - I (sed of, onvertib				y Owne	d			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	Date,	Code (8)	Transaction of Derivative		rative rities iired r osed) : 3, 4			е	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amount or Numbro of Title Shares		ount nber	8. Price of Derivative Security (Instr. 5)		y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)

Explanation of Responses:

1. The Reporting Person has elected to transfer these shares to the Company to satisfy the tax withholding obligation incurred upon the vesting and release of shares previously acquired pursuant to a Restricted Stock Award.

/s/ Douglas J. Seith

05/22/2013

** 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 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.