FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-0287									
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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

1. Name and Address of Reporting Person* <u>Lanning Mark R</u>						2. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]										5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) 21086 ST	`	irst) ROAD, PO BO	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 06/07/2017									Officer (give title Other (specify below) below)						
(Street) OLDENI			47036 (Zip)		4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Ind Line)	·					
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
Date				Date	Transaction ate Month/Day/Year)		2A. Deemed Execution Date if any (Month/Day/Yea		∍,	3. Transac Code (Ir 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4				and Securities Beneficially Owned Following Reported		Form	: Direct I Indirect I str. 4) (7. Nature of Indirect Beneficial Ownership	
										Code	v	Amount	(A) or (D) Price		Price					(Instr. 4)	
Common Stock 06/0					7/201	7/2017				M		10,000) A		\$9.5	89,005			D		
Common Stock																1,800				Held by spouse ⁽¹⁾	
	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 Da if any (Month/Day/Y	Date,	Code		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisal Expiration Date (Month/Day/Year				7. Title and Amoun of Securities Underlying Derivative Security (Instr. 3 and 4)		curity	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e s illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Dat Exe	te ercisable		Expiration Date	Title	or Nu of	umber						
Stock Option (right to	\$9.5	06/07/2017			M			10,000	06/	20/2008 ⁽	2) (06/20/2017	Common Stock	1 10	0,000	\$0.00	0		D		

Explanation of Responses:

- 1. The Reporting Person disclaims beneficial ownership of these securities, except as to his pecuniary interest therein.
- $2. These \ options \ were \ granted \ on \ June \ 20, \ 2007 \ and \ are \ exercisable \ cumulatively \ at \ a \ rate \ of \ 33\% \ per \ annum \ beginning \ one \ year \ from \ date \ of \ grant.$

Remarks:

<u>/s/ Mark R. Lanning</u> <u>06/08/2017</u>

** 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.