

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

1. Name and Address of Reporting Person* PRESIDIO MANAGEMENT GROUP VIII L L C (Last) (First) (Middle) 2735 SAND HILL ROAD (Street) MENLO PARK CA 94025 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 08/05/2005	3. Issuer Name and Ticker or Trading Symbol AtriCure, Inc. [ATRC]	5. If Amendment, Date of Original Filed (Month/Day/Year)
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	6. Individual or Joint/Group Filing (Check Applicable Line) Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person

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				
Series A Preferred Stock	(I)	(I)	Common Stock 1,022,035	0 ⁽¹⁾	I	Directly held by USVP VIII ⁽²⁾
Series A Preferred Stock	(I)	(I)	Common Stock 7,531	0 ⁽¹⁾	I	Directly held by AFF VIII ⁽²⁾
Series A Preferred Stock	(I)	(I)	Common Stock 9,575	0 ⁽¹⁾	I	Directly held by EP VIII-A ⁽²⁾
Series A Preferred Stock	(I)	(I)	Common Stock 5,137	0 ⁽¹⁾	I	Directly held by EP VIII-B ⁽²⁾
Series B Preferred Stock	(I)	(I)	Common Stock 1,440,854	0 ⁽¹⁾	I	Directly held by USVP VIII ⁽²⁾
Series B Preferred Stock	(I)	(I)	Common Stock 10,617	0 ⁽¹⁾	I	Directly held by AFF VIII ⁽²⁾
Series B Preferred Stock	(I)	(I)	Common Stock 13,498	0 ⁽¹⁾	I	Directly held by EP VIII-A ⁽²⁾
Series B Preferred Stock	(I)	(I)	Common Stock 7,242	0 ⁽¹⁾	I	Directly held by EP VIII-B ⁽²⁾
Warrant	08/05/2005	08/05/2006	Common Stock 92,773	5.43	I	Directly held by USVP VIII ⁽²⁾
Warrant	08/05/2005	08/05/2006	Common Stock 683	5.43	I	Directly held by AFF VIII ⁽²⁾
Warrant	08/05/2005	08/05/2006	Common Stock 869	5.43	I	Directly held by EP VIII-A ⁽²⁾
Warrant	08/05/2005	08/05/2006	Common Stock 466	5.43	I	Directly held by EP VIII-B ⁽²⁾

1. Name and Address of Reporting Person*
PRESIDIO MANAGEMENT GROUP VIII L L C
 (Last) (First) (Middle)
 2735 SAND HILL ROAD
 (Street)
 MENLO PARK CA 94025
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
US VENTURE PARTNERS VIII L P
 (Last) (First) (Middle)
 2735 SAND HILL ROAD
 (Street)
 MENLO PARK CA 94025
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
USVP VIII AFFILIATES FUND L P
 (Last) (First) (Middle)
 2735 SAND HILL ROAD
 (Street)
 MENLO PARK CA 94025
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
USVP ENTREPRENEUR PARTNERS VIII A L P
 (Last) (First) (Middle)
 2735 SAND HILL ROAD
 (Street)
 MENLO PARK CA 94025
 (City) (State) (Zip)

1. Name and Address of Reporting Person*
USVP ENTREPRENEUR PARTNERS VIII B L P
 (Last) (First) (Middle)
 2735 SAND HILL ROAD
 (Street)
 MENLO PARK CA 94025
 (City) (State) (Zip)

1. Name and Address of Reporting Person*

Connors Timothy J

(Last) (First) (Middle)
2735 SAND HILL ROAD

(Street)
MENLO PARK CA 94025

(City) (State) (Zip)

1. Name and Address of Reporting Person*

FEDEMAN IRWIN

(Last) (First) (Middle)
2735 SAND HILL ROAD

(Street)
MENLO PARK CA 94025

(City) (State) (Zip)

1. Name and Address of Reporting Person*

FU WINSTON S

(Last) (First) (Middle)
2735 SAND HILL ROAD

(Street)
MENLO PARK CA 94025

(City) (State) (Zip)

1. Name and Address of Reporting Person*

KRAUSZ STEVEN M

(Last) (First) (Middle)
2735 SAND HILL ROAD

(Street)
MENLO PARK CA 94025

(City) (State) (Zip)

1. Name and Address of Reporting Person*

LIDDLE DAVID E

(Last) (First) (Middle)
2735 SAND HILL ROAD

(Street)
MENLO PARK CA 94025

(City) (State) (Zip)

Explanation of Responses:

1. The shares of Preferred Stock shall convert on a 1-for-1 basis into Common Stock upon the closing of the Issuer's initial public offering.
2. See additional Form 4 filed by Presidio Management Group VIII, LLC ("PMG VIII") for additional members of this joint filing. PMG VIII is the general partner of US Venture Partners VIII, L.P. ("USVP VIII"), USVP Entrepreneur Partners VIII-A, L.P. ("EP VIII-A"), USVP Entrepreneur Partners VIII-B, L.P. ("EP VIII-B"), and USVP VIII Affiliates Fund, L.P. ("AFF VIII"), and Timothy Connors, Irwin Federman, Winston S. Fu, Steven M. Krausz, David E. Liddle, Stuart G. Phillips, Jonathan D. Root, Christopher Rust, and Philip M. Young, the managing members of PMG VIII, may be deemed to share voting and dispositive power over the shares held by USVP VIII, EP VIII-A, EP VIII-B and AFF VIII. Such persons and entities disclaim beneficial ownership of shares held by USVP VIII, EP VIII-A, EP VIII-B and AFF VIII except to the extent of any pecuniary interest therein.

Remarks:

Michael P. Maher, Attorney-in-fact for each joint filer 08/08/2005

** 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.

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the undersigned hereby constitutes and appoints Michael P. Maher Dale Holladay and Erik Lindquist, and each of them, his true ar

(1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer/director or 10% owner of a reporting company under the Securities and

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, 5 or Form :

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform all and every act and thing whatsoever requisite, necessary,

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, 5 and Form 144 with respect to the unde

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 1st day of February, 2004.

Presidio Management Group VIII, L.L.C.

US Venture Partners VIII, L.P.

USVP VIII Affililates Fund, L.P.

USVP Entrepreneur Partners VIII-A, L.P.

USVP Entrepreneur Partners VIII-B, L.P.

Signature /S/

Michael P. Maher, Attorney-in-fact for the above listed entities

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IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 5th day of January, 2004.

Signature: /S/

Timmothy J. Connors

POWER OF ATTORNEY

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This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, 5 and Form 144 with respect to the unde

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 9th day of March, 2001.

Signature: /S/

Irwin Federman

POWER OF ATTORNEY

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This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, 5 and Form 144 with respect to the unde

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 12th day of March, 2001.

Signature /S/

Steven M. Krausz

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the undersigned hereby constitutes and appoints Michael P. Maher Dale Holladay and Erik Lindquist, and each of them, his true ar

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IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 5th day of March, 2001.

Signature /S/

David E. Liddle

POWER OF ATTORNEY

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IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 9th day of March, 2001.

Signature /S/

Winston S. Fu