

GENDELL JEFFREY L ET AL  
 Form 3  
 January 18, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL  
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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *			2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â GENDELL JEFFREY L ET AL			(Month/Day/Year)	AMTECH SYSTEMS INC [ASYS]	
(Last)	(First)	(Middle)		4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
55 RAILROAD AVENUE				(Check all applicable)	6. Individual or Joint/Group Filing(Check Applicable Line)
(Street)				___ Director	<input checked="" type="checkbox"/> 10% Owner
GREENWICH,Â CTÂ 06830				___ Officer	___ Other
(City)	(State)	(Zip)		(give title below)	(specify below)
					___ 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)	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)
Common Stock, \$0.01 par value	908,014 <sup>(1)</sup>	I	See footnotes <sup>(2)</sup> <sup>(3)</sup>

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

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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)  Title	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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Date	Expiration	Amount or	or Indirect
Exercisable	Date	Number of	(I)
		Shares	(Instr. 5)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GENDELL JEFFREY L ET AL 55 RAILROAD AVENUE GREENWICH, CT 06830	Â	Â X	Â	Â

## Signatures

/s/Jeffrey L.  
Gendel

01/18/2008

\*\*Signature of  
Reporting Person

Date

## Explanation of Responses:

\* 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).

(1) At the time of the acquisition, the shares of Common Stock reported herein represented less than 10% of the Issuers shares of Common Stock then outstanding pursuant to the Issuer's prospectus filed on November 16, 2007. The total outstanding shares of Common Stock subsequently reported on the Issuer's Form 10-K on December 12, 2007 was decreased, and the shares of Common Stock previously acquired then represented more than 10% of the outstanding shares of Common Stock.

(2) The Reporting Person is the managing member of Tontine Capital Management, L.L.C. ("TCM"), a Delaware limited liability company, the general partner of Tontine Capital Partners, L.P. ("TCP"), a Delaware limited partnership. The Reporting Person is also the managing member of Tontine Overseas Associates, L.L.C., a Delaware limited liability company ("TOA"), the investment adviser to Tontine Capital Overseas Master Fund, L.P., a Cayman Islands exempted limited partnership ("TCO").

(3) The Reporting Person directly owns 0 shares of the Common Stock. TCM and TOA directly own 0 shares of Common Stock. TCP directly owns 727,414 shares of Common Stock. TCO directly owns 180,600 shares of Common Stock. All of the foregoing shares of Common Stock may be deemed to be beneficially owned by the Reporting Person. The Reporting Person disclaims beneficial ownership of the Issuer's securities reported herein for purposes of Section 16(a) under the Securities Exchange Act of 1934, as amended, or otherwise, except as to securities directly owned by the Reporting Person or representing the Reporting Person's pro rata interest in, and interest in the profits of, TCM, TCP, TOA, TCO and the separately managed accounts.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.