

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person* <b>GENDELL JEFFREY L ET AL</b> <small>(Last) (First) (Middle)</small> <b>55 RAILROAD AVENUE</b> <small>(Street)</small> <b>GREENWICH, CT 06830</b> <small>(City) (State) (Zip)</small>	2. Date of Event Requiring Statement (Month/Day/Year) <b>12/12/2007</b>	3. Issuer Name and Ticker or Trading Symbol <b>AMTECH SYSTEMS INC [ASYS]</b>		
		4. Relationship of Reporting Person(s) to Issuer <small>(Check all applicable)</small> <input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)		5. If Amendment, Date Original Filed (Month/Day/Year)
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input 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)
Common Stock, \$0.01 par value	908,014 <sup>(1)</sup>	I	See footnotes <sup>(2) (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)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

## Reporting Owners

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

## Signatures

/s/Jeffrey L. Gendel		01/18/2008
<small>**Signature of Reporting Person</small>		<small>Date</small>

## 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 Issuer's 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.