

## 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* Pentinga Fokko  (Last) (First) (Middle) TEMPRESS SYSTEMS, B.V., RADEWEG 31  (Street) VAASSEN, P7 8171 MD  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 03/11/2010	3. Issuer Name and Ticker or Trading Symbol AMTECH SYSTEMS INC [ASYS]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) President	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)
Amtech Systems, Inc. \$.01 par value common stock	16,500 (1)	D	

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

SEC 1473 (7-02)

**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 control number.**

**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			
Amtech Systems, Inc. Employee Stock Option	12/08/2007(2)	12/08/2016	Amtech Systems, Inc. \$.01 par value common stock	7,500	\$ 6.9	D	
Amtech Systems, Inc. Employee Stock Option	01/30/2008	01/30/2017	Amtech Systems, Inc. \$.01 par value common stock	250	\$ 7	D	
Amtech Systems, Inc. Employee Stock Option	12/06/2008(2)	12/06/2017	Amtech Systems, Inc. \$.01 par value common stock	12,500	\$ 14.79	D	
Amtech Systems, Inc. Employee Stock Option	12/09/2009(2)	12/09/2018	Amtech Systems, Inc. \$.01 par value common stock	25,000	\$ 3.8	D	
Amtech Systems, Inc. Employee Stock Option	12/04/2009	12/15/2019	Amtech Systems, Inc. \$.01 par value common stock	15,000	\$ 5.2	D	
Amtech Systems, Inc. Employee Stock Option	11/20/2010(2)	11/20/2019	Amtech Systems, Inc. \$.01 par value common stock	10,000	\$ 6.15	D	

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Pentinga Fokko TEMPRESS SYSTEMS, B.V. RADEWEG 31 VAASSEN, P7 8171 MD			President	

## Signatures

/s/ Robert T. Hass on behalf of Fokko Pentinga		03/16/2010
<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) Includes 11,875 shares unvested restricted stock that will vest in varying amounts and various dates through November 20, 2013.
- (2) The first date on which any of the options become exercisable. One-fourth of the stock option granted vest on the first date options become exercisable and on each of next three anniversaries thereof.

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.