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

3235-0104 January 31, Expires: 2005 Estimated average burden hours per response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> Marvell Gregory			2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol BROOKS AUTOMATION INC [BRKS]			
(Last)	(First)	(Middle)	02/04/2010	4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)	
C/O BROOKS AUTOMATION,							
INC., 15 E	LIZABETI	H DRIVE	(Check all applica		all applicable)	e)	
(Street) CHELMSFORD, MA 08124				Director 10% Owner X_ Officer Other (give title below) (specify below) VP, Extended Factory Group		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person	
						Form filed by More than One Reporting Person	
(City)	(State)	(Zip)	Table I - N	Non-Derivat	tive Securiti	es Be	neficially Owned
1.Title of Secu (Instr. 4)	rity		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	1
Common St	ock		82,489		D	Â	
Reminder: Rep owned directly		ate line for ea	ch class of securities benefic	^{ially} S	SEC 1473 (7-02)	
	inform	ation conta	oond to the collection of ined in this form are not nd unless the form displ	t			

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

currently valid OMB control number.

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)	
		(Instr. 4)	Price of	Derivative		
		Title	Derivative	Security:		
			Security	Direct (D)		

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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					
1	Director	10% Owner	Officer	Other		
Marvell Gregory C/O BROOKS AUTOMATION, INC. 15 ELIZABETH DRIVE CHELMSFORD, MA 08124	Â	Â	VP, Extended Factory Group	Â		
Signatures						
/s/ Thomas S. Grilk, attorney-in-fact for Gregory Marvell		,	02/08/2010			
**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).

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.