

BROOKS AUTOMATION INC  
 Form 4/A  
 December 13, 2006

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 \*  
**GENTILCORE JAMES**  
  
 (Last) (First) (Middle)  
**C/O BROOKS AUTOMATION, 15 ELIZABETH DRIVE**  
 (Street)  
**CHELMSFORD, MA 01824**  
 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**BROOKS AUTOMATION INC [BRKS]**

3. Date of Earliest Transaction (Month/Day/Year)  
**03/23/2006**

4. If Amendment, Date Original Filed (Month/Day/Year)  
**03/27/2006**

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 \_\_\_ Director \_\_\_ 10% Owner  
X Officer (give title below) \_\_\_ Other (specify below)  
**President & COO**

6. Individual or Joint/Group Filing (Check Applicable Line)  
X Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				Code V Amount (A) or (D) Price			
Common Stock	03/23/2006		A	50,000 A \$ 0.01	65,946 <sup>(1)</sup>	D	

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

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SEC 1474 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Reporting Transaction (Instr. 6)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GENTILCORE JAMES C/O BROOKS AUTOMATION 15 ELIZABETH DRIVE CHELMSFORD, MA 01824			President & COO	

## Signatures

/s/ Thomas S. Grilk, attorney-in-fact for James F. Gentilcore  
 \_\_\_\_\_  
 \*\*Signature of Reporting Person  
 12/13/2006  
 Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(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).  
 Amended report filed to correct entry in row 1, column 5 of Table I, which due to a clerical error incorrectly stated 69,392. The entry in row 1, column 5 of Table I in the report filed on March 27, 2006 should have been 65,946. This error resulted in a corresponding error for (1) a subsequent report filed on October 27, 2006 with respect to a forfeiture of shares by the reporting person to satisfy the reporting person's obligations with respect to withholding taxes in connection with the vesting of restricted stock held by the reporting person. The entry in row 1, column 5 of Table I in the report filed on October 27, 2006 should have been 64,955.

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.