

NIERENBERG INVESTMENT MANAGEMENT CO  
Form SC 13D/A  
February 09, 2009

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

SCHEDULE 13D  
Under the Securities Exchange Act of 1934  
(Amendment No. 10)

BROOKS AUTOMATION, INC. (BRKS)

-----  
(Name of Issuer)

Common Stock

-----  
(Title of Class of Securities)

114340102

-----  
(CUSIP Number)

David Nierenberg  
The D3 Family Funds  
19605 NE 8th Street  
Camas, WA 98607  
(360) 604-8600

With a copy to:

Henry Lesser, Esq.  
DLA Piper LLP (US)  
2000 University Avenue  
East Palo Alto, CA 94303  
(650) 833-2000

-----  
(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

February 4, 2009

-----  
(Date of Event which Requires Filing of this Statement)

-----  
If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D and is filing this schedule because of ss.ss. 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box .

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1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

The D3 Family Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)   
(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS\*

WC

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Washington

7 SOLE VOTING POWER

0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

8 SHARED VOTING POWER

766,927 common shares (1.21%)

9 SOLE DISPOSITIVE POWER

0

10 SHARED DISPOSITIVE POWER

766,927

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

For the reporting person listed on this page, 766,927; for all reporting  
persons as a group, 5,232,989 shares (8.23%)

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

8.23%

14 TYPE OF REPORTING PERSON\*

PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

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1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON  
  
The D3 Family Bulldog Fund, L.P.

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2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\* (a)   
(b)

-----

3 SEC USE ONLY

-----

4 SOURCE OF FUNDS\*  
  
WC

-----

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEMS 2(d) OR 2(e)

-----

6 CITIZENSHIP OR PLACE OF ORGANIZATION  
  
Washington

-----

	7	SOLE VOTING POWER
		0
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	8	SHARED VOTING POWER
		3,304,552 common shares (5.20%)
	9	SOLE DISPOSITIVE POWER
		0
	10	SHARED DISPOSITIVE POWER
		3,304,552

-----

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
  
For the reporting person listed on this page, 3,304,552; for all reporting persons as a group, 5,232,989 shares (8.23%)

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12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

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13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
  
8.23%

-----

14 TYPE OF REPORTING PERSON\*  
  
PN

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\*SEE INSTRUCTIONS BEFORE FILLING OUT!

3

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

The D3 Family Canadian Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS\*

WC

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEMS 2 (d) OR 2 (e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Washington

7 SOLE VOTING POWER

0

NUMBER OF SHARES  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
WITH

8 SHARED VOTING POWER

367,675 common shares (0.58%)

9 SOLE DISPOSITIVE POWER

0

10 SHARED DISPOSITIVE POWER

367,675

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

For the reporting person listed on this page, 367,675 shares; for all reporting persons as a group, 5,232,989 shares (8.23%)

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

8.23%

14 TYPE OF REPORTING PERSON\*

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PN

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\*SEE INSTRUCTIONS BEFORE FILLING OUT!

4

-----  
1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

The DIII Offshore Fund, L.P.

-----  
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

(b)

-----  
3 SEC USE ONLY

-----  
4 SOURCE OF FUNDS\*

WC

-----  
5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEMS 2(d) OR 2(e)

-----  
6 CITIZENSHIP OR PLACE OF ORGANIZATION

Bahamas

-----  
7 SOLE VOTING POWER

0

-----  
NUMBER OF 8 SHARED VOTING POWER  
SHARES

BENEFICIALLY 793,835 common shares (1.25%)  
OWNED BY

-----  
EACH 9 SOLE DISPOSITIVE POWER

REPORTING 0  
PERSON

WITH

-----  
10 SHARED DISPOSITIVE POWER

793,835

-----  
11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

For the reporting person listed on this page, 793,835; for all reporting  
persons as a group, 5,232,989 shares (8.23%)

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12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

-----  
13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

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8.23%

14 TYPE OF REPORTING PERSON\*

PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

5

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

Nierenberg Investment Management Company, Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS\*

AF

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Washington

7 SOLE VOTING POWER

0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

8 SHARED VOTING POWER  
5,232,989 common shares (8.23%)

9 SOLE DISPOSITIVE POWER

0

10 SHARED DISPOSITIVE POWER

5,232,989

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

For the reporting person listed on this page, 5,232,989; for all reporting persons as a group, 5,232,989 shares (8.23%)

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

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13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

8.23%

14 TYPE OF REPORTING PERSON\*

CO

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

6

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

Nierenberg Investment Management Offshore, Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS\*

AF

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

Bahamas

7 SOLE VOTING POWER

0

NUMBER OF SHARES  
BENEFICIALLY OWNED BY  
EACH REPORTING PERSON  
WITH

8 SHARED VOTING POWER  
793,835 common shares (1.25%)

9 SOLE DISPOSITIVE POWER

0

10 SHARED DISPOSITIVE POWER

793,835

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

For the reporting person listed on this page, 793,835; for all reporting persons as a group, 5,232,989 shares (8.23%)

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12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

8.23%

14 TYPE OF REPORTING PERSON\*

CO

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

7

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

David Nierenberg

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

(b)

3 SEC USE ONLY

4 SOURCE OF FUNDS\*

AF

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  
PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

United States of America

7 SOLE VOTING POWER

0

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

8 SHARED VOTING POWER  
5,232,989 common shares (8.23%)

9 SOLE DISPOSITIVE POWER

0

10 SHARED DISPOSITIVE POWER

5,232,989

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

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For the reporting person listed on this page, 5,232,989; for all reporting persons as a group, 5,232,989 shares (8.23%)

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12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\*

-----  
13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

8.23%

-----  
14 TYPE OF REPORTING PERSON\*

IN

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\*SEE INSTRUCTIONS BEFORE FILLING OUT!

8

This Amendment No.10 to Schedule 13D (this "Amendment") amends the below-indicated item from the Schedule 13D previously filed by or on behalf of the undersigned parties (the "Reporting Persons"), as previously amended (the "Schedule 13D"), by supplementing such Items with the information below:

Item 5. Interest in Securities of the Issuer

(a, b) The Reporting Persons, in the aggregate, beneficially own 5,232,989 Shares, constituting approximately 8.23% of the outstanding Shares.

(c) During the past sixty (60) days, the following sales of Shares were made by the Reporting Persons named below in open market transactions:

Fund	Transaction Date	Shares Sold	Price
----	-----	-----	-----
DIII Offshore Fund, LP	01/28/2009	213,817	4.96
DIII Offshore Fund, LP	02/02/2009	23,068	4.73
D3 Family Fund, LP	02/03/2009	20,577	4.62
D3 Family Fund, LP	02/04/2009	190,000	4.96
D3 Family Bulldog Fund, LP	02/04/2009	266,355	4.96
DIII Offshore Fund, LP	02/04/2009	50,000	4.96
D3 Family Bulldog Fund, LP	02/05/2009	150,000	5.12
D3 Family Bulldog Fund, LP	02/06/2009	200,000	5.43

9

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, each of the undersigned certifies that the information set forth in the Statement is true, complete and correct.

D3 Family Fund, L.P., D3 Family Bulldog Fund, and D3 Family Canadian Fund, L.P.

By: Nierenberg Investment Management Company, Inc.

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February 9, 2009  
-----  
Its: General Partner  
By: /s/ David Nierenberg  
-----  
David Nierenberg, President

DIII Offshore Fund, L.P.  
By: Nierenberg Investment Management  
Offshore, Inc.  
Its: General Partner  
By: /s/ David Nierenberg  
-----  
David Nierenberg, President

Nierenberg Investment Management  
Company, Inc.  
February 9, 2009  
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By: /s/ David Nierenberg  
-----  
David Nierenberg, President

Nierenberg Investment Management  
Offshore, Inc.  
February 9, 2009  
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By: /s/ David Nierenberg  
-----  
David Nierenberg, President

February 9, 2009  
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/s/ David Nierenberg  
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David Nierenberg