

NIERENBERG INVESTMENT MANAGEMENT CO  
Form SC 13D/A  
December 09, 2005

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

SCHEDULE 13D  
Under the Securities Act of 1934  
(Amendment No. 2)

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

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

November 17, 2005  
(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:

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

The D3 Family Fund, L.P. (David Nierenberg is president  
of the General Partner, which is Nierenberg Investment  
Management Company.)

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

-----  
3 SEC USE ONLY

-----  
4 SOURCE OF FUNDS\*

WC

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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	
			1,527,032 common shares (2.0%)
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	8	SHARED VOTING POWER	0
	9	SOLE DISPOSITIVE POWER	1,527,032
	10	SHARED DISPOSITIVE POWER	0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
3,148,802 shares (4.2%)

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

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
4.2%

14 TYPE OF REPORTING PERSON\*  
PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

2

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON  
  
The D3 Family Retirement Fund, L.P. (David Nierenberg is president of the  
General Partner, which is Nierenberg Investment Management Company.)

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

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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

454,000 common shares (0.6%)

NUMBER OF  
SHARES

8 SHARED VOTING POWER

BENEFICIALLY  
OWNED BY

0

EACH  
REPORTING

9 SOLE DISPOSITIVE POWER

PERSON  
WITH

454,000

10 SHARED DISPOSITIVE POWER

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,148,802 shares (4.2%)

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

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

4.2%

14 TYPE OF REPORTING PERSON\*

PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

3

1 NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

The D3 Children's Fund, L.P. (David Nierenberg is president of the General  
Partner, which is Nierenberg Investment Management Company.)

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

(a)

(b)

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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

116,360 common shares (0.2%)

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

8 SHARED VOTING POWER

0

9 SOLE DISPOSITIVE POWER

116,360

10 SHARED DISPOSITIVE POWER

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,148,802 shares (4.2%)

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

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

4.2%

14 TYPE OF REPORTING PERSON\*

PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

4

1 NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

The D3 Offshore Fund, L.P. (David Nierenberg is president of the General Partner, which is Nierenberg Investment Management Company.)

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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

Bahamas

7 SOLE VOTING POWER  
750,160 common shares (1.0%)

8 SHARED VOTING POWER  
0

9 SOLE DISPOSITIVE POWER  
750,160

10 SHARED DISPOSITIVE POWER  
0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
3,148,802 shares (4.2%)

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

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
4.2%

14 TYPE OF REPORTING PERSON\*  
PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON

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S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

The D3 Family Bulldog Fund, L.P. (David Nierenberg is president of the General Partner, which is Nierenberg Investment Management Company.)

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

301,250 common shares (0.4%)

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

8 SHARED VOTING POWER

0

9 SOLE DISPOSITIVE POWER

301,250

10 SHARED DISPOSITIVE POWER

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,148,802 shares (4.2%)

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

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

4.2%

14 TYPE OF REPORTING PERSON\*

PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

Item 1. Security and Issuer.

Common stock in BROOKS AUTOMATION, INC. (BRKS) 15 Elizabeth Drive, Chelmsford, MA 01824-4111.

Item 2. Identity and Background.

The D3 Family Funds are Washington State limited partnerships, whose principal business is investing in the equities of public micro-cap issuers. The D3 Family Funds consist of: D3 Family Fund, L.P, D3 Family Retirement Fund, L.P, D3 Children's Fund, L.P, D3 Offshore Fund, L.P., D3 Family Bulldog Fund, L.P. Located at 19605 N.E. 8th St., Camas, Washington 98607. No convictions or administrative proceedings as described in 2 (d) and (e).

Item 3. Source and Amount of Funds or Other Consideration

Source of funds is money invested in the partnership by their partners.

Item 4. Purpose of Transaction

Solely as a result of Brooks' recent acquisition of Helix Technology for Brooks' stock, our ownership percentage of Brooks has fallen below the 5% filing threshold. We do want to point out, however, that, since filing our prior 13D we have bought 577,646 more shares of Brooks.

We have made these additional purchases because we continue to believe that Brooks is extremely undervalued using almost any relevant definition of value: relative to the company's long term revenue and earnings growth potential, relative to its strong balance sheet, relative to its leading competitive position in outsourced tool automation systems and service, relative to the increasing penetration of tool outsourcing, and relative to its complete and capable management team.

We attribute the persistence of Brooks' undervaluation to three short term factors, all of which we expect to decline in importance over the coming months. First, some Helix shareholders currently are selling the Brooks shares they received in exchange for their Helix shares. We believe this is happening either because they earned an acceptable return on their Helix investment or because they only invest in companies which pay dividends, which Brooks does not. Second, Brooks' software division recently surprised and disappointed the financial community with weak sales and an operating loss. Corporate management moved quickly to downsize the software division and narrow sharply its strategic focus, which had been overbroad. We expect immediate and substantial improvement in the operating performance of Brooks Software and further expect that it soon will become, as before, an opportunistic source of positive cash for the parent. More

important, though, is that Brooks' acquisition of Helix makes crystal clear that the parent's strategic focus is on outsourced tool automation systems and services. Third, some market pundits have been predicting a poor retail Christmas, projecting from that, weak consumer electronics sales, flagging demand for chips, and diminished appetite for

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semiconductor capital equipment. To which we respond, based on our differing assessment of how well consumer electronics seem to be selling: "Bah, Humbug!"

We do have a second reason for amending our 13D, beyond updating our ownership numbers. Immediately before Thanksgiving, we sent a letter to the Chair of the Nominating and Governance Committee of Brooks' Board of Directors, setting forth our views on several matters of corporate governance. Unlike many other activist hedge funds, which seem to enjoy using their letters as rhetorical weapons, we have no plans to take our letter public. Diplomatic negotiations are best conducted diplomatically. Moreover, our relationship with Brooks is anything but adversarial. In fact, we are very pleased with their most recent addition to the board, which we view as extremely responsive to our concerns. Our only reason for disclosing the existence of our letter is that we believe that relevant federal regulations obligate us to do so.

### Item 5. Interest in Securities of the Issuer.

(a,b) D3 Family Funds own and have sole voting and dispositive power over 3,148,802, 4.2% common shares of BRKS.

(c)

Fund	Transaction Date	Shares Bought	Price
D3 Family Fund, L.P.	10/11/2005	45,000	12.72
D3 Family Fund, L.P.	10/27/2005	70,000	11.99
D3 Family Fund, L.P.	10/28/2005	17,700	11.64
D3 Family Retirement Fund, L.P.	10/11/2005	20,000	12.72
D3 Childrens Fund, L.P.	10/28/2005	12,000	11.64
D3 Offshore Fund, L.P.	10/11/2005	30,000	12.72
D3 Offshore Fund, L.P.	10/27/2005	42,500	11.99
D3 Family Bulldog Fund, L.P.	10/11/2005	5,000	12.72
D3 Family Bulldog Fund, L.P.	10/27/2005	50,000	11.99
D3 Family Bulldog Fund, L.P.	10/28/2005	25,000	11.64

(d) N/A

(e) N/A

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### Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

N/A

### Item 7. Material to be Filed as Exhibits

N/A

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.



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December 9, 2005

/s/ DAVID NIERENBERG

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David Nierenberg  
President  
Nierenberg Investment Management  
Company, Inc., the General Partner of  
The D3 Family Funds

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