NIERENBERG DAVID Form SC 13D/A July 15, 2005

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

SCHEDULE 13D Under the Securities Act of 1934 (Amendment No. 1)

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)

July 15, 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.) \_\_\_\_\_ \_\_\_\_\_ CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\* 2. (a) |X| (b) |\_| \_\_\_\_\_ SEC USE ONLY 3 \_\_\_\_\_ SOURCE OF FUNDS\* WC 4

5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)  _					
6	CITIZENSH					
	USA					
		7	SOLE VOTING POWER			
			1,269,556 common shares (2.8%)			
N	JMBER OF	8	SHARED VOTING POWER			
	SHARES EFICIALLY		0			
01	VNED BY EACH	 9	SOLE DISPOSITIVE POWER			
	EPORTING PERSON	2				
1	WITH					
		10	SHARED DISPOSITIVE POWER			
			0			
11	AGGREGATE	AMO	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSO	'N		
	2,571,156	sha	res (5.7%)			
12	CHECK BOX	IF	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERT.	AIN SHARES*	_	
13	PERCENT C	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)			
	5.7%					
14	TYPE OF F	EPOR	IING PERSON*			
	PN					
			*SEE INSTRUCTIONS BEFORE FILLING OUT!			
			2			
1			IING PERSON IDENTIFICATION NOS. OF ABOVE PERSON			
			Retirement Fund, L.P. (David Nierenberg is pr er, which is Nierenberg Investment Management		9	
2	2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a)  X					
				(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	CITIZENSH	IP OF	R PLACE OF ORGANIZATION				
	USA						
		7	SOLE VOTING POWER				
			394,700 common shares (0.87%)				
	JMBER OF	8	SHARED VOTING POWER				
BENE	SHARES EFICIALLY		0				
	NED BY EACH	9	SOLE DISPOSITIVE POWER				
	EPORTING PERSON		394,700				
	WITH	10	SHARED DISPOSITIVE POWER				
			0				
11	AGGREGATE	AMOU	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	1 			
	2,571,156	shai	ces (5.7%)				
12	CHECK BOX	IF 7	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTA	AIN SHARES*  _			
 13	PERCENT O	F CLA	ASS REPRESENTED BY AMOUNT IN ROW (11)				
	5.7%						
14	TYPE OF REPORTING PERSON*						
	PN						
			*SEE INSTRUCTIONS BEFORE FILLING OUT!				
			3				
			5				
1			TING PERSON IDENTIFICATION NOS. OF ABOVE PERSON				
			en's Fund, L.P. (David Nierenberg is president n is Nierenberg Investment Management Company.)				
2	СНЕСК ТНЕ	APPI	ROPRIATE BOX IF A MEMBER OF A GROUP*	(a)  X  (b)  _			

## \_\_\_\_\_ 3 SEC USE ONLY \_\_\_\_\_ 4 SOURCE OF FUNDS\* WC \_\_\_\_\_ \_\_\_\_\_ CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED 5 PURSUANT TO ITEMS 2(d) OR 2(e) 1\_1 \_\_\_\_\_ 6 CITIZENSHIP OR PLACE OF ORGANIZATION USA \_\_\_\_\_ 7 SOLE VOTING POWER 94,900 common shares (0.21%) \_\_\_\_\_ \_\_\_\_\_ NUMBER OF 8 SHARED VOTING POWER SHARES 0 BENEFICIALLY OWNED BY \_\_\_\_\_ 9 SOLE DISPOSITIVE POWER EACH REPORTING PERSON 94,900 WITH \_\_\_\_\_ 10 SHARED DISPOSITIVE POWER 0 \_\_\_\_\_ AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 11 2,571,156 shares (5.7%) \_\_\_\_\_ 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES\* |\_| \_\_\_\_\_ PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 13 5.7% \_\_\_\_\_ \_\_\_\_\_ 14 TYPE OF REPORTING PERSON\* PN \_\_\_\_\_ \*SEE INSTRUCTIONS BEFORE FILLING OUT! 4 \_\_\_\_\_ NAME OF REPORTING PERSON 1 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 TH	HE APPROPRIATE BOX IF A MEMBER OF A GROUP*	(a)  X  (b)  _	
3 SEC USE	ONLY		
4 SOURCE O	OF FUNDS* WC		
	DX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED I TO ITEMS 2(d) OR 2(e)	_	
6 CITIZENS	SHIP OR PLACE OF ORGANIZATION		
USA			
	7 SOLE VOTING POWER		
	617,650 common shares (1.36%)		
NUMBER OF SHARES	8 SHARED VOTING POWER		
BENEFICIALLY OWNED BY	0		
EACH REPORTING	9 SOLE DISPOSITIVE POWER		
PERSON WITH	617,650		
W ± ± 11	10 SHARED DISPOSITIVE POWER		
	0		
11 AGGREGAT	TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERS	ON	
2,571,15	56 shares (5.7%)		
12 CHECK BO	DX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CER		_
13 PERCENT	OF CLASS REPRESENTED BY AMOUNT IN ROW (11)		
5.7%			
14 TYPE OF	REPORTING PERSON*		
PN			
	*SEE INSTRUCTIONS BEFORE FILLING OUT!		
	5		

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		E	dgar Filing: NIERENBERG DAVID - Form SC 13	)/A			
	S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON						
	president	oft	Bulldog Fund, L.P. (David Nierenberg is the General Partner, which is Nierenberg nagement Company.)				
2	CHECK THE	APPI	ROPRIATE BOX IF A MEMBER OF A GROUP*		X    _		
3	SEC USE O	NLY					
4	SOURCE OF	FUNI	DS* 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							
	USA 						
		7	SOLE VOTING POWER				
			194,350 common shares (0.43%)				
	IMBER OF HARES	8	SHARED VOTING POWER				
	FICIALLY NED BY		0				
	EACH PORTING	9	SOLE DISPOSITIVE POWER				
	PERSON WITH		194,350				
		10	SHARED DISPOSITIVE POWER				
			0				
11	AGGREGATE	AMOU	JNT BENEFICIALLY OWNED BY EACH REPORTING PERS	NC			
	2,571,156	shai	ces (5.7%)				
12	CHECK BOX	IF 1	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CER				
 13	PERCENT O	F CLA	ASS REPRESENTED BY AMOUNT IN ROW (11)				
	5.7%						
14	TYPE OF R	EPORT	TING PERSON*				
	PN	PN					

## \*SEE INSTRUCTIONS BEFORE FILLING OUT!

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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 Fund, L.P. is a Washington State limited partnership, whose principal business is investing in the equities of public micro-cap issuers. 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 its partners.

#### Item 4. Purpose of Transaction

Because we enthusiastically support BRKS acquisition of HELX, we acquired additional shares of BRKS. Not only has BRKS characterized the financial impact of this acquisition as "significantly accretive" (language which has real meaning at a time when lawyers agonize over every word in a press release), we also believe the acquisition will bring several important strategic and operating benefits to the combined company:

o The combined companies will control 51% and potentially up to 66% of the value added content of the vacuum robotic systems they will manufacture, a large enough share of the value added to enable them to offer meaningful savings to Tier 1 semi-conductor capital equipment OEM's who are considering outsourcing their vacuum robotics systems to BRKS. We believe this acquisition will create a company with enough capability and scale to accelerate this outsourcing process.

o HELX's field service capabilities will enable BRKS to more rapidly grow this profitable, stable source of recurring revenue.

o We believe the overall management of the combined company will be strengthened through the merger, with BRKS bringing strong financial management and HELX strong operating and global manufacturing management.

o Because the combined company will be one of the largest semiconductor capital equipment subsystems suppliers, we hope shareholders might enjoy greater liquidity and higher valuations.

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o Finally, we observed at Semicon West this week that the two CEO's of the companies already work very well together. We think the risk of friction is exceptionally low, both because the business lines are complementary and because of the flexible, accommodating personalities of the two CEO's.

Item 5. Interest in Securities of the Issuer.

(a,b) The D3 Family Fund, L.P. owns and has sole voting and dispositive power over 1,269,556 common shares of BRKS.

(c) Dat	te Sha	res Boug	ht Price
7/11,	/05	90,300	14.66
7/14,	/05 1	23,700	15.39

(d) N/A

(e) N/A

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.

July	15,	2005	/s/ DAVID NIERENBERG
			David Nierenberg
			President
			Nierenberg Investment Management Company,
			Inc., the General Partner of The D3 Family
			Fund, L.P

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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 Retirement Fund, L.P. is a Washington State limited partnership, whose principal Business is investing in the equities of public micro-cap issuers. Located at 19605 N.E. 8th St., Camas, Washington 98607. No convictions or administrative proceedings as described in 2 (d) and (e).

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Item 5. Interest in Securities of the Issuer.

(a,b) The D3 Family Retirement Fund, L.P. owns and has sole voting and dispositive power over 394,700 common shares of BRKS.

(C)	Date	Shares Bought	Price
	7/11/05	21,900	14.66
	7/14/05	39,300	15.39

(d) N/A

- (e) N/A
- 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, I certify that the information set forth in this statement is true, complete and correct.

July 15, 2005 Date /s/ DAVID NIERENBERG

David Nierenberg President Nierenberg Investment Management Company, Inc., the General Partner of the D3 Family Retirement Fund, L.P.

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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 Children's Fund, L.P. is a Washington State limited partnership, whose principal business is investing in the equities of public micro-cap Issuers. 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 its partners.

Item 4. Purpose of Transaction

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friction is exceptionally low, both because the business lines are complementary and because of the flexible, accommodating personalities of the two CEO's.

Item 5. Interest in Securities of the Issuer.

(a,b) The D3 Children's Fund, L.P. owns and has sole voting and dispositive power over 94,900 common shares of BRKS.

(C)	Date	Shares Bought	Price
	6/15/05	1,000	15.64
	7/11/05	14,000	14.66
	7/14/05	9,500	15.39

- (d) N/A
- (e) N/A
- 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

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July 15, 2005

/s/ DAVID NIERENBERG

David Nierenberg President Nierenberg Investment Management Company, Inc., the General Partner of The D3 Children's Fund, L.P.

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Item 1. Security and Issuer.

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Item 2. Identity and Background.

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Item 5. Interest in Securities of the Issuer.

(a,b) The D3 Offshore Fund, L.P. owns and has sole voting and dispositive power over 617,650 common shares of BRKS.

(C)	Date	Shares Bought	Price
	5/18/05	40,000	14.29
	5/23/05	30,000	14.42
	5/24/05	5,700	14.38
	5/25/05	7,000	14.28
	6/1/05	10,000	15.38
	6/2/05	10,000	15.62
	6/3/05	25,000	15.29

6/6/05	43,500	15.05
6/7/05	20,000	15.22
6/8/05	15,000	15.29
6/9/05	5,000	15.36
6/13/05	10,000	15.73
6/14/05	22,000	15.74
6/15/05	4,400	15.62
6/24/05	10,000	15.33
7/11/05	102,300	14.66
7/14/05	58,750	15.39

(d) N/A

(e) N/A

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.

July 15, 2005

/s/ DAVID NIERENBERG ------David Nierenberg President Nierenberg Investment Management Company, Inc., the General Partner of the D3 Offshore Fund, L.P.

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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 Bulldog Fund, L.P. is a Washington State limited partnership, whose principal business is investing in the equities of public micro-cap issuers. Located at 19605 N.E. 8th St., Camas,Washington 98607. No convictions or administrative proceedings as described in 2 (d) and (e).

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o Finally, we observed at Semicon West this week that the two CEO's of the companies already work very well together. We think the risk of friction is exceptionally low, both because the business lines are complementary and because of the flexible, accommodating personalities of the two CEO's.

Item 5. Interest in Securities of the Issuer.

(a,b) The D3 Family Bulldog Fund, L.P. owns and has sole voting and dispositive power over 194,350 common shares of BRKS.

(C)	Date	Shares Bought	Price
	6/14/05	18,000	15.74
	7/11/05	20,800	14.66
	7/14/05	18,750	15.39

- (d) N/A
- (e) N/A
- 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

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July 15, 2005

/s/ DAVID NIERENBERG

David Nierenberg President Nierenberg Investment Management Company, Inc., the General Partner of The D3 Family Bulldog Fund, L.P.

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