NIERENBERG DAVID Form SC 13D July 12, 2005

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

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

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 11, 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: |_|

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* (a) |X| (b) |_| _____ SEC USE ONLY

SOURCE OF FUNDS*

WC

5			DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED FEMS 2(d) OR 2(e)		I_I
6	CITIZENSH	IIP O	R PLACE OF ORGANIZATION		
	USA				
		7	SOLE VOTING POWER		
			1,145,856 common shares (2.5%)		
	JMBER OF	8	SHARED VOTING POWER		
	SHARES EFICIALLY		0		
OV	NNED BY EACH	9	SOLE DISPOSITIVE POWER		
	EPORTING PERSON		1,145,856		
	WITH	10	SHARED DISPOSITIVE POWER		
			0		
11	AGGREGATE	AMO	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSO	 DN	
	2,321,156	sha	ces (5.1%)		
12	CHECK BOX	IF :	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERT	 ΓAIN SI	HARES* _
13	PERCENT C	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)		
	5.1%				
14	TYPE OF R	EPOR	 TING PERSON*		
	PN				
			*SEE INSTRUCTIONS BEFORE FILLING OUT!		
			2		
1			FING PERSON IDENTIFICATION NOS. OF ABOVE PERSON		
			Retirement Fund, L.P. (David Nierenberg is preer, which is Nierenberg Investment Management		
2	CHECK THE	APPI	ROPRIATE BOX IF A MEMBER OF A GROUP*	(a) (b)	X _

4	SOURCE OF	FIIND			
4					
	WC 				
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) _				
6	CITIZENSH	IP OR	PLACE OF ORGANIZATION		
	USA				
		7	SOLE VOTING POWER		
			355,400 common shares (0.79%)		
	MBER OF	8	SHARED VOTING POWER		
BENE	HARES FICIALLY		0		
1	NED BY EACH	9	SOLE DISPOSITIVE POWER		
P	PORTING ERSON WITH		355,400		
		10	SHARED DISPOSITIVE POWER		
			0		
11	AGGREGATE	MOUR	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	2,321,156	share	es (5.1%)		
12	CHECK BOX	IF T	HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN	N SHARES* _	
13	PERCENT O	F CLAS	SS REPRESENTED BY AMOUNT IN ROW (11)		
	5.1%				
14	TYPE OF RI	EPORT	ING PERSON*		
	PN				
			*SEE INSTRUCTIONS BEFORE FILLING OUT!		
			2		
			3		
1	NAME OF RI		ING PERSON IDENTIFICATION NOS. OF ABOVE PERSON		
			n's Fund, L.P. (David Nierenberg is president of is Nierenberg Investment Management Company.)	the General	
2	CHECK THE	APPRO	DPRIATE BOX IF A MEMBER OF A GROUP*	a) X	

				(b)	_		
3	SEC USE O	NLY					
4	SOURCE OF	FUND	 S*				
	WC						
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) _						
6	CITIZENSH	IP OF	PLACE OF ORGANIZATION				
	USA						
		7	SOLE VOTING POWER				
			85,400 common shares (0.19%)				
	JMBER OF SHARES	8	SHARED VOTING POWER				
BENE	EFICIALLY		0				
	NED BY EACH	9	SOLE DISPOSITIVE POWER				
	EPORTING PERSON		85,400				
	WITH	10	SHARED DISPOSITIVE POWER				
			0				
11	AGGREGATE	AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	2,321,156	shar	res (5.1%)				
12							
13	PERCENT O	F CLA	SS REPRESENTED BY AMOUNT IN ROW (11)				
	5.1%						
14	TYPE OF R	EPORT	ING PERSON*				
	PN						
			*SEE INSTRUCTIONS BEFORE FILLING OUT!				
			4				
1			ING PERSON 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.) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) |X| (b) |_| ._____ 3 SEC USE ONLY _____ SOURCE OF FUNDS* WC CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) 1_1 6 CITIZENSHIP OR PLACE OF ORGANIZATION USA 7 SOLE VOTING POWER 558,900 common shares (1.23%) ______ NUMBER OF 8 SHARED VOTING POWER BENEFICIALLY OWNED BY 9 SOLE DISPOSITIVE POWER EACH REPORTING 558**,**900 PERSON WITH 10 SHARED DISPOSITIVE POWER AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,321,156 shares (5.1%) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES* |_| 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) ______ 14 TYPE OF REPORTING PERSON*

5

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1			TING PERSON IDENTIFICATION NOS. OF ABOVE PERSON			
The D3 Family Bulldog Fund, L.P. ((David Nierenberg is president of General Partner, which is Nierenberg Investment Management Company.)						
2	CHECK THE	APPR	ROPRIATE BOX IF A MEMBER OF A GROUP*	(a) (b)		
3	SEC USE O	NLY				
4	SOURCE OF	FUND	 S*			
	WC					
5			DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED (EMS 2(d) OR 2(e)		I_I	
6	CITIZENSH	IP OR	PLACE OF ORGANIZATION			
	USA 					
		7	SOLE VOTING POWER			
			175,600 common shares (0.39%)			
	IMBER OF	8	SHARED VOTING POWER			
BENE	FICIALLY NED BY		0			
	EACH PORTING	9	SOLE DISPOSITIVE POWER			
P	PERSON WITH		175,600			
	WIIII	10	SHARED DISPOSITIVE POWER			
			0			
11	AGGREGATE	AMOU	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	1		
	2,321,156	shar				
12	CHECK BOX	IF T	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTA			_
13	PERCENT O	F CLA	ASS REPRESENTED BY AMOUNT IN ROW (11)			
	5.1%					
14	TYPE OF R	EPORT	ING PERSON*			
	PN					
			*SEE INSTRUCTIONS BEFORE FILLING OUT!			

6

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. $\hspace{1cm}$

Item 4. Purpose of Transaction

We support the merger of Brooks Automation, Inc. and Helix Technology.

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 1,145,856 common shares of BRKS.

(C)	Date	Shares Bought	Price
	7/11/05	90,300	14.66

- (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

7

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 11, 2005

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

8

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).

Item 3. Source and Amount of Funds or Other Consideration

Source of funds is money invested in the partnership by its partners. $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left($

Item 4. Purpose of Transaction

We support the merger of Brooks Automation, Inc. and Helix Technology.

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 355,400 common shares of BRKS.

(C)	Date	Shares Bought	Price
	7/11/05	21.90	14.66

- (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

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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 11, 2005 /s/ DAVID NIERENBERG

Date

President

David Nierenberg

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

10

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. $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left($

Item 4. Purpose of Transaction

We support the merger of Brooks Automation, Inc. and Helix Technology.

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 175,600 common shares of BRKS.

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

(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

11

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 11, 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.

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

Item 2. Identity and Background.

The D3 Offshore Fund, L.P. is a Washington State limited partnership, whose principal business is investing in the equities of public micro-cap issuers. Located at $19605 \, \text{N.E.}$ 8th St., Camas, Washington $98607 \, \text{N}$ convictions or administrative proceedings as described in $2 \, \text{(d)}$ 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

We support the merger of Brooks Automation, Inc. and Helix Technology.

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 558,900 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

- (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.

July 11, 2005

/s/ DAVID NIERENBERG

David Nierenberg President

Nierenberg Investment Management Company, Inc., the General Partner of the D3 Offshore Fund, L.P.

14

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).

Item 3. Source and Amount of Funds or Other Consideration

Source of funds is money invested in the partnership by its partners. $\hspace{1cm}$

Item 4. Purpose of Transaction

We support the merger of Brooks Automation, Inc. and Helix Technology.

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 175,600 common shares of BRKS.

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

(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

15

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.