# NIERENBERG INVESTMENT MANAGEMENT CO Form SC 13D/A

December 30, 2005

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

SCHEDULE 13D
Under the Securities Act of 1934
(Amendment No. 3)

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)

December 29, 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 Partner, which is Nierenberg Investment Management Company		General
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*	, ,	X   _
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)		1_1

6	CITIZENSH	IP OR	PLACE OF ORGANIZATION		
	Washingto	n			
		7	SOLE VOTING POWER		
			1,769,532 Common shares (2.4%)		
NUMBER OF SHARES BENEFICIALLY		8	SHARED VOTING POWER		
			0		
	NED BY EACH	9	SOLE DISPOSITIVE POWER		
	PORTING PERSON		1,769,532		
	WITH	10	SHARED DISPOSITIVE POWER		
			0		
11	AGGREGATE	AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSO	 N	
	3,728,802	shar	es (5.0%)		
12	CHECK BOX	IF T	HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERT	AIN SE	HARES*  _
13	PERCENT O	 F CLA	SS REPRESENTED BY AMOUNT IN ROW (11)		
	5.0%				
14	TYPE OF R	 EPORT	ING PERSON*		
	PN				
			*SEE INSTRUCTIONS BEFORE FILLING OUT!		
1			ING PERSON IDENTIFICATION NOS. OF ABOVE PERSON		
			Retirement Fund, L.P. (David Nierenberg is pr r, which is Nierenberg Investment Management		
2	CHECK THE	APPR	OPRIATE BOX IF A MEMBER OF A GROUP*	(a) (b)	
3	SEC USE O	NLY			
4	SOURCE OF	FUND	 S*		
	WC				
5			ISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  EMS 2(d) OR 2(e)		_

 6	CITIZENSH	 IP OR	PLACE OF ORGANIZATION	
	Washington	n		
		7	SOLE VOTING POWER	
			579,500 common shares (0.8%)	
		8	SHARED VOTING POWER	
BEN	SHARES EFICIALLY		0	
		9	SOLE DISPOSITIVE POWER	
REPORTING PERSON WITH			579,500	
		10	SHARED DISPOSITIVE POWER	
			0	
11	AGGREGATE	AMOU	INT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,728,802	shar	es (5.0%)	
12	CHECK BOX	IF T	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN S.	HARES*  _
13	PERCENT O	 F CLA	SS REPRESENTED BY AMOUNT IN ROW (11)	
	5.0%			
14	TYPE OF R	EPORT	ING PERSON*	
	PN			
			*SEE INSTRUCTIONS BEFORE FILLING OUT!	
			3	
1			ING PERSON IDENTIFICATION NOS. OF ABOVE PERSON	
			on's Fund, L.P. (David Nierenberg is president of the is Nierenberg Investment Management Company.)	he General
2	CHECK THE	APPR	COPRIATE BOX IF A MEMBER OF A GROUP*  (a) (b)	X   _
3	SEC USE O	NLY		
4	SOURCE OF	 FUND	S*	

	WC				
5					I_I
6	CITIZENSH	IP O	R PLACE OF ORGANIZATION		
	Washingto	n			
		7	SOLE VOTING POWER		
5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS R PURSUANT TO ITEMS 2(d) OR 2(e)  6 CITIZENSHIP OR PLACE OF ORGANIZATION  Washington  7 SOLE VOTING POWER  158,860 common shares (0.2%)  NUMBER OF 8 SHARED VOTING POWER  SHARES BENEFICIALLY 0  OWNED BY  EACH 9 SOLE DISPOSITIVE POWER  REPORTING PERSON 158,860  WITH  10 SHARED DISPOSITIVE POWER  0  11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORM 3,728,802 shares (5.0%)  12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCENSE  13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  5.0%  14 TYPE OF REPORTING PERSON* PN  *SEE INSTRUCTIONS BEFORE FILLING  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 p			158,860 common shares (0.2%)		
	SHARED VOTING POWER				
BENI	EFICIALLY		0		
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH  11 AGGREGATE 3,728,802 2 CHECK BOX 3 PERCENT O 5.0% 4 TYPE OF R PN  NAME OF R S.S. OR I	9	SOLE DISPOSITIVE POWER		
	PERSON	T TO ITEMS 2 (d  SHIP OR PLACE  ton  7 SOLE V  158,86  8 SHARED  0  9 SOLE D  158,86  10 SHARED  0  TE AMOUNT BENE  02 shares (5.0  OX IF THE AGGR  OF CLASS REPR  REPORTING PER  *SEE  *SEE  REPORTING PER  I.R.S. IDENTI  Offshore Fund, , which is Nie  HE APPROPRIATE	158,860		
	CHECK BO PURSUANT  CITIZENS  Washingt  Washingt  WHERES EFICIALLY WNED BY EACH EPORTING ERSON WITH  AGGREGAT  3,728,80  CHECK BO  PERCENT  5.0%  TYPE OF PN  NAME OF S.S. OR The D3 O Partner, CHECK TH	10	SHARED DISPOSITIVE POWER		
		IZENSHIP OR PLACE OF ORGANIZATION  inington  7			
11	AGGREGATE	AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	1	
	3,728,802	sha	res (5.0%)	TION  Ares (0.2%)  ER  POWER  FOWER  FOR IN ROW (11) EXCLUDES CERTAIN SHARES*  _   AMOUNT IN ROW (11)  S BEFORE FILLING OUT!  4  S. OF ABOVE PERSON  IN Nierenberg is president of the General estment Management Company.)  EMBER OF A GROUP*  (a)  X  (b)  _	
12	CHECK BOX	IF :	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTA	IN SI	HARES*  _
13	PERCENT O	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)		
	5.0%				
14	TYPE OF R	EPOR	IING PERSON*		
	PN				
			*SEE INSTRUCTIONS BEFORE FILLING OUT!		
			4		
1					
					General
2	CHECK THE	APPI	ROPRIATE BOX IF A MEMBER OF A GROUP*		
	SEC USE O	NT.Y			

4	SOURCE OF	FUNI	 DS*	
	WC			
5				I_I
6	CITIZENSH	IP O	R PLACE OF ORGANIZATION	
	Bahamas			
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				
			865,660 common shares (1.2%)	
S	HARES	8		
SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON		· 		
	9			
		10	SHARED DISPOSITIVE POWER	
			0 	
11	AGGREGATE	AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	i
	3,728,802	sha:	res (5.0%)	
12	CHECK BOX	IF 1	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTA	.IN SHARES*  _
13	PERCENT O	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)	
	5.0%			
14	TYPE OF R	EPOR'	IING PERSON*	
	PN			
		EX BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED  UNANT TO ITEMS 2(d) OR 2(e)  L_I  ZERNSHIP OR PLACE OF ORGANIZATION  IMAGE  7 SOLE VOTING POWER  865,660 common shares (1.2%)  OF 8 SHARED VOTING POWER  1 S65,660  10 SHARED DISPOSITIVE POWER  O  BEGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  18,802 shares (5.0%)  EX BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*  _   EXENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  **SEE INSTRUCTIONS BEFORE FILLING OUT!  5  **SEE INSTRUCTIONS BEFORE FILLING OUT!  5  **OF REPORTING PERSON  OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON  D3 Family Bulldog Fund, L.P. (David Nierenberg is president of the earl Partner, which is Nierenberg Investment Management Company.)  EX THE APPROPRIATE BOX IF A MEMBER OF A GROUP*		
			r	
			5	
1				
2	CHECK THE	APPI	ROPRIATE BOX IF A MEMBER OF A GROUP*	(a)  X

				(b)	1_1	
3	SEC USE OI	NLY				
 4	SOURCE OF					
	WC					
 5			ISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED EMS 2(d) OR 2(e)		I_I	
 6	CITIZENSH	IP OR	PLACE OF ORGANIZATION			
	Washington	n				
		7	SOLE VOTING POWER			
NUMB SHA BENEFI OWNE EA REPC PER WI  11 A 3 12 C			355,250 common shares (0.5%)			
	MBER OF HARES	8	SHARED VOTING POWER			
BENEFICIALLY 0 OWNED BY						
	EACH PORTING	9	SOLE DISPOSITIVE POWER			
SH. BENEF OWN E. REP PE	ERSON WITH		355,250			
		10	SHARED DISPOSITIVE POWER			
			0			
11	AGGREGATE	AMOUI	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	1		
	3,728,802	shar	es (5.0%)			
12	CHECK BOX	IF T	HE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTA	AIN S	HARES*	_
13	PERCENT O	E CLA	SS REPRESENTED BY AMOUNT IN ROW (11)			
	5.0%					
14	TYPE OF RI	EPORT	ING PERSON*			
	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 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

On December 29, we bought 580,000 more shares of BRKS, raising our aggregate ownership back to 5%. We believe that this purchase makes us BRKS' second largest shareholder.

Both factors mentioned in our prior 13D filing, dated December 9, 2005, plus a third factor, created this buying opportunity. First, some former Helix shareholders have been selling their BRKS shares either because they had achieved their investment objectives or because they only hold stocks which pay dividends. We believe, for example, that Helix' largest shareholder, which obtained nearly 8 million BRKS shares in exchange for its Helix shares, now has disposed of the majority of their BRKS shares. Second, some BRKS shareholders sold their shares out of frustration with the erratic recent performance of BRKS' software division. Third, and due in part to the two abovementioned factors, some BRKS shareholders have been selling their shares to realize income tax losses, since BRKS' share price (as of this instant) fell 26% this year and 46% over the last two years, (despite the substantial operating and strategic progress made by the company.)

Fortunately for those of us who want to be shareholders of BRKS--as it gains market share in its core business of robotic tool automation systems and service, as it penetrates more Tier One OEM accounts, and as it continues reducing the costs of the combined companies and generating free cash--we believe that the short term selling pressure on the stock price is now over. We believe this for the following reasons:

1. 2005 tax loss selling ends December 30.

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- We believe that most selling by former shareholders of Helix is over.
- 3. The performance of BRKS' software division should begin showing substantial improvement because BRKS has sharpened its strategic focus and right-sized the division's costs. We also hope the division will have improved governance and oversight.
- 4. We are encouraged by Christmas retail sales, which augur well for the semiconductor industry and for BRKS as one its major equipment suppliers. According to SpendingPulse, aggregate

retail sales through December 24 rose 8.7% over 2004, considerably higher than had been forecast and greater than 2004's 6.7% gain, even in the face of higher fuel prices and the pricking of the housing bubble. Consumer electronics sales grew even faster, up 11% over 2004, and were the second fastest growing product category. We believe that consumers have not yet completed their electronics buying. Substantial unmet demand remains, for example, for Microsoft's XBOX gaming machine and for Apple's iPod Nano. And we are in the early stages of a major replacement cycle of television sets. Instead of furloughing capacity, as they did at this time last year, we would expect semiconductor fabs to continue investing in manufacturing equipment.

Finally, on the subject of BRKS' corporate governance, which we touched on lightly in our prior 13D, we have had no response from BRKS' Board of Directors to our November 17 letter. We are disappointed by 1 1/2 months of silence, both because the tone of our letter was constructive and because BRKS' board expressly "encourage[d]" communications from shareholders in their 2005 annual meeting proxy statement (see page 8 of the proxy). A timely and detailed response could have substantiated, rather than undercut, this invitation.

In our November 17 letter we set forth our views on the optimal size, composition, and leadership of BRKS' Board of Directors. Because BRKS' fiscal year ended September 30, and because the company filed its 2005 annual meeting proxy with the SEC immediately after the holidays, on January 6, 2005, we believe that the proxy for the 2006 annual meeting may be imminent. We hope that, in the absence of a substantive response to our letter, the proxy will demonstrate tangible progress on the governance issues which we and other large outside shareholders care about.

If we are not satisfied with what we read in the proxy, with respect to these issues, we reserve the right to contact other BRKS shareholders using a proxy statement and proxy solicitation firm of our own. Unfortunately, this would bring the issues which we had hoped to resolve privately into the public domain. Since we strongly would prefer for BRKS to remain focused on integrating Helix, fixing BRKS software, and gaining market share in its core business of tool automation, we hope that the issues we raised still will be resolved in a friendly, private manner. But with the clock ticking down the end of 2005, and in the absence of a response from the company, we feel obligated to begin preparing for other possibilities.

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

(a,b) D3 Family Funds own and have sole voting and dispositive power over 3,728,802, 5.0% common shares of BRKS.

(C)

Transaction Shares Fund Date Bought

Price

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 Fund, L.P.	12/29/2005	242,500	12.46
D3 Family Retirement Fund, L.P.	12/29/2005	125,500	12.46
D3 Children's Fund, L.P.	10/28/2005	12,000	11.64
D3 Children's Fund, L.P.	12/29/2005	42,500	12.46
D3 Offshore Fund, L.P.	10/27/2005	42,500	11.99
D3 Offshore Fund, L.P.	12/29/2005	115,500	12.46
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
D3 Family Bulldog Fund, L.P.	12/29/2005	54,000	12.46

- (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.

December	29,	2005		

/s/ DAVID NIERENBERG

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