

ODELL JEFFREY L
Form 4
May 03, 2006

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
ODELL JEFFREY L

2. Issuer Name and Ticker or Trading Symbol
RUDOLPH TECHNOLOGIES INC
[RTEC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
05/01/2006

Director 10% Owner
 Officer (give title below) Other (specify below)

4900 WEST 78TH STREET

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

BLOOMINGTON, MN 55435

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V Amount (A) or (D) Price			
Common Stock	05/01/2006		S ⁽¹⁾	1,343 D \$ 16.39	312,028	D	
Common Stock	05/01/2006		S ⁽¹⁾	44 D \$ 16.4	311,984	D	
Common Stock	05/01/2006		S ⁽¹⁾	292 D \$ 16.41	311,692	D	
Common Stock	05/01/2006		S ⁽¹⁾	220 D \$ 16.42	311,472	D	
Common Stock	05/01/2006		S ⁽¹⁾	47 D \$ 16.43	311,425	D	

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Common Stock	05/01/2006	<u>S⁽¹⁾</u>	438	D	\$ 16.44	310,987	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	657	D	\$ 16.45	310,330	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	73	D	\$ 16.46	310,257	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	219	D	\$ 16.47	310,038	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	146	D	\$ 16.48	309,892	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	1,850	D	\$ 16.5	308,042	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	803	D	\$ 16.51	307,239	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	365	D	\$ 16.52	306,874	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	292	D	\$ 16.53	306,582	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	1,825	D	\$ 16.54	304,757	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	780	D	\$ 16.56	303,977	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	242	D	\$ 16.57	303,735	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	73	D	\$ 16.58	303,662	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	219	D	\$ 16.59	303,443	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	145	D	\$ 16.6	303,298	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	199	D	\$ 16.65	303,099	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	166	D	\$ 16.66	302,933	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	78	D	\$ 16.7	302,855	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	142	D	\$ 16.72	302,713	D
Common Stock	05/01/2006	<u>S⁽¹⁾</u>	146	D	\$ 16.73	302,567	D
	05/01/2006	<u>S⁽¹⁾</u>	73	D		302,494	D

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Common Stock						\$			
						16.76			
Common Stock	05/01/2006		S ⁽¹⁾	73	D	\$	302,421	D	
						16.77			

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Reporting Transaction (Instr. 6)
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ODELL JEFFREY L 4900 WEST 78TH STREET BLOOMINGTON, MN 55435			X	

Signatures

/s/ Robert K. Ranum as Attorney-in-Fact for Jeffrey L. O'Dell pursuant to Power of Attorney previously filed

05/02/2006

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
 - ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Sold pursuant to rule 10b5-1 trading plan dated February 28, 2006.

Remarks:

This is part 1 of 2.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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