

ODELL JEFFREY L
Form 4
June 05, 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)
4900 WEST 78TH STREET

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
06/01/2006

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

BLOOMINGTON, MN 55435

(City) (State) (Zip)

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

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)	(A) or (D)	Price	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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	06/01/2006		S ⁽¹⁾	135	D	\$ 16.84	30,025	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006		S ⁽¹⁾	297	D	\$ 16.85	29,728	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006		S ⁽¹⁾	27	D	\$ 16.86	29,701	I	By O'Dell Family Limited Partnership

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Common Stock	06/01/2006	<u>S(1)</u>	27	D	\$ 16.88	29,674	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	810	D	\$ 16.9	28,864	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	675	D	\$ 17	28,189	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	135	D	\$ 17.06	28,054	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	216	D	\$ 17.15	27,838	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	324	D	\$ 17.16	27,514	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	135	D	\$ 17.18	27,379	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	54	D	\$ 17.19	27,325	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	297	D	\$ 17.2	27,028	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	27	D	\$ 17.21	27,001	I	By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S(1)</u>	27	D	\$ 17.22	26,974	I	By O'Dell Family Limited Partnership
	06/01/2006	<u>S(1)</u>	270	D		26,704	I	

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Common Stock					\$ 17.26				By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	1,080	D	\$ 17.27	25,624	I		By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	648	D	\$ 17.69	24,976	I		By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	702	D	\$ 17.7	24,274	I		By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	270	D	\$ 17.82	24,004	I		By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	270	D	\$ 17.83	23,734	I		By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	270	D	\$ 17.91	23,464	I		By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	270	D	\$ 17.92	23,194	I		By O'Dell Family Limited Partnership
Common Stock	06/01/2006	<u>S⁽¹⁾</u>	270	D	\$ 17.93	22,924	I		By O'Dell Family Limited Partnership

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)

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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. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
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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 06/05/2006

__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 4 of 4.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.