

Berthan Rainer
 Form 3
 November 20, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Berthan Rainer | | (Month/Day/Year) | SIRONA DENTAL SYSTEMS, INC. [SIRO] | |
| (Last) | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| | | 11/16/2012 | | |
| C/O SIRONA, FABRIKSTRASSE 31D-64625,Â BENSHEIM, GERMANY | | | (Check all applicable) | |
| (Street) | | | <input type="checkbox"/> Director | <input type="checkbox"/> 10% Owner |
| | | | <input checked="" type="checkbox"/> Officer | <input type="checkbox"/> Other |
| | | | (give title below) (specify below) | |
| | | | Executive VP | |
| | | | 6. Individual or Joint/Group Filing(Check Applicable Line) | |
| | | | <input checked="" type="checkbox"/> Form filed by One Reporting Person | |
| | | | <input type="checkbox"/> Form filed by More than One Reporting Person | |
| Â | | | | |
| (City) | (State) | (Zip) | | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|
| Common Stock | 12,000 | D | Â |

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

SEC 1473 (7-02)

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

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security | 4. Conversion or Exercise | 5. Ownership Form of | 6. Nature of Indirect Beneficial Ownership |
|-----------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------|---------------------------|----------------------|--------------------------------------------|
|-----------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------|---------------------------|----------------------|--------------------------------------------|

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| | Date Exercisable | Expiration Date | (Instr. 4) Title | Amount or Number of Shares | Price of Derivative Security | Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | (Instr. 5) |
|-----------------------|------------------|-----------------|---------------------|----------------------------|------------------------------|------------------------------------------------------------|------------|
| Options(Right to buy) | Â (1) | 07/02/2022 | Common Stock | 18,000 | \$ 47.385 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---------------------------------------------------------------------------------|---------------|-----------|----------------|-------|
| | Director | 10% Owner | Officer | Other |
| Berthan Rainer C/O SIRONA, FABRIKSTRASSE 31D-64625 BENSHEIM, GERMANY Â | Â | Â | Â Executive VP | Â |

Signatures

Rainer Berthan, by Michael Friedlander,
Attorney

11/20/2012

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(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) Stock options shall vest as follows: 1/4 on January 1, 2014, 1/4 on July 2, 2014, 1/4 on July 2, 2015 and 1/4 July 2, 2016.

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.