

SIRONA DENTAL SYSTEMS, INC.  
 Form 4  
 March 16, 2011

**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 \*  
 Sirona Holdings Luxco S.C.A.

2. Issuer Name and Ticker or Trading Symbol  
 SIRONA DENTAL SYSTEMS, INC. [SIRO]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 412F, ROUTE D??ESCH,  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 03/16/2011

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

L-1030, N4  
 (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  
 \_X\_ 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)	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)		
				(A) or (D)	Price				
Common Stock	03/16/2011		S	V	4,500,000	D	\$ 48.5	9,747,480	D <sup>(1)</sup>

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

SEC 1474 (9-02)

**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
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Sirona Holdings Luxco S.C.A. 412F, ROUTE D??ESCH L-1030, N4		X		
Sirona Holdings S.A. 412F, ROUTE D??ESCH L-1030, N4		X		
MDCP GLOBAL AGGREGATOR, L.P. C/O MADISON DEARBORN PARTNERS, LLC THREE FIRST NATIONAL PLAZA, SUITE 4600 CHICAGO, IL 60602		X		
MDCP IV Global Investments LP C/O WALKERS SPV LIMITED, WALKER HOUSE PO BOX 908GT, MARY STREET GEORGE TOWN, GRAND CAYMAN, E9		X		
MDCP IV Global GP, LP C/O WALKERS SPV LIMITED, WALKER HOUSE PO BOX 908GT, MARY STREET GEORGE TOWN, GRAND CAYMAN, E9		X		
MDP Global Investors LTD C/O WALKERS SPV LIMITED, WALKER HOUSE PO BOX 908GT, MARY STREET GEORGE TOWN, GRAND CAYMAN, E9		X		

## Signatures

/s/ Timothy Sullivan, its 'A' Director, Sirona Holdings S.A., its Manager for Sirona Holdings Luxco S.C.A.

03/16/2011

\_\_Signature of Reporting Person

Date

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/s/ Timothy Sullivan, its 'A' Director for Sirona Holdings S.A.	03/16/2011
**Signature of Reporting Person	Date
/s/ Timothy Sullivan, its Managing Director, MDP Global Investors Limited, its General Partner for MDCP Global Aggregator, L.P.	03/16/2011
**Signature of Reporting Person	Date
/s/ Timothy Sullivan, its Managing Director, MDP Global Investors Limited, its General Partner, MDP IV Global GP, LP, its General Partner for MDCP IV Global Investments LP	03/16/2011
**Signature of Reporting Person	Date
/s/ Timothy Sullivan, its Managing Director, MDP Global Investors Limited, its General Partner for MDP IV Global GP, LP	03/16/2011
**Signature of Reporting Person	Date
/s/ Timothy Sullivan, its Managing Director for MDP Global Investors Limited	03/16/2011
**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).

The following entities may be deemed to have a beneficial interest in the Common Stock held by Sirona Holdings Luxco S.C.A. ("Luxco"): Sirona Holdings S.A. ("Luxco Manager"), by virtue of its being the sole manager of Luxco, MDCP Global Aggregator, L.P. ("MDCP Global Aggregator") by virtue of its being the controlling shareholder of Luxco, MDCP IV Global Investments LP by virtue of its being the controlling shareholder of Sirona Holdings S.A., MDP IV Global GP, LP by virtue of its being the sole general partner of MDCP IV Global Investments LP and MDP Global Investors Limited by virtue of its being the sole general partner of MDCP IV Global GP, LP and MDCP Global Aggregator. Each of MDCP Global Aggregator, MDCP IV Global Investments LP, MDP IV Global GP, LP and MDP Global Investors Limited disclaims beneficial ownership of any shares directly held by Luxco except to the extent of their respective pecuniary interests therein.

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.