

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

FORM 10-Q/A
(Amendment)

(X) QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2009

OR

() TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File Number 0-16211

DENTSPLY International Inc.

(Exact name of registrant as specified in its charter)

Delaware

39-1434669

(State or other jurisdiction of
incorporation or organization)

(I.R.S. Employer
Identification No.)

221 West Philadelphia Street, York, PA

17405-0872

(Address of principal executive offices)

(Zip Code)

(717) 845-7511

(Registrant's telephone number, including area code)

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act).

Yes No

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date: At October 28, 2009, DENTSPLY International Inc. (the "Company") had 152,035,594 shares of Common Stock outstanding, with a par value of \$.01 per share.

Explanatory Note

DENTSPLY International Inc. is filing this Amendment (the "Form 10-Q/A") to our Quarterly Report on Form 10-Q for the quarter ended September 30, 2009 (the "Form 10-Q"), filed with the Securities and Exchange Commission ("SEC") on October 29, 2009, for the sole purpose of furnishing the Interactive Data File as Exhibit 101. The Interactive Data File was inadvertently omitted from the Form 10-Q as originally filed due to unanticipated technical difficulties.

No other changes have been made to the Form 10-Q. This Form 10-Q/A continues to speak as of the original filing date of the Form 10-Q, and does not reflect events that may have occurred subsequent to the original filing date, and does not modify or update any related disclosures made in the Form 10-Q.

Item 6 - Exhibits

Exhibit Number

31	Section 302 Certification Statements.
32	Section 906 Certification Statement.
99.1	Incorporated by reference to exhibit included in Form 8-K filed on October 21, 2009.
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	XBRL Taxonomy Extension Label Linkbase Document
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

DENTSPLY International Inc.

/s/ Bret W. Wise
Bret W. Wise
Chairman of the Board and
Chief Executive Officer

October 30, 2009
Date

/s/ William R. Jellison
William R. Jellison
Senior Vice President and
Chief Financial Officer

October 30, 2009
Date