UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report April 29, 2010 (Date of earliest event reported)

Commission File Number 0-16211

DENTSPLY International Inc.

(Exact name of registrant as specified in its charter)

Delaware (State of Incorporation)

221 West Philadelphia Street, York, Pennsylvania (Address of principal executive offices) 39-1434669 (IRS Employer Identification No.)

> 17405-0872 (Zip Code)

Registrant's telephone number, including area code: (717) 845-7511

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

□ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02. - Results of Operations and Financial Condition

The following information is furnished pursuant to Item 2.02, "Results of Operations and Financial Condition."

On April 29, 2010, the Company issued a press release disclosing its first quarter 2010 sales and earnings. This earnings release references net sales, excluding precious metal content, and net income, excluding certain unusual items, both of which could be considered measures not calculated in accordance with generally accepted accounting principles (non-GAAP measures). Due to the fluctuations of precious metal prices and because the precious metal content of the Company's sales is largely a pass-through to customers and has minimal effect on earnings, the Company reports sales both with and without precious metal content to show the Company's performance independent of precious metal price volatility and to enhance comparability of performance between periods. Earnings from continuing operations, excluding certain unusual items, is presented to enhance the comparability between periods. A copy of the Company's press release is attached hereto as Exhibit (99.1) and is hereby incorporated by reference.

Item 9.01. Financial Statements and Exhibits

(a) Financial Statements - Not applicable.

(b) Exhibits:

99.1 The DENTSPLY International Inc. First Quarter 2010 earnings release issued April 29, 2010 as referenced in Item 2.02.

SIGNATURE

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

DENTSPLY INTERNATIONAL INC (Company)

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

Date: April 29, 2010



NEWS

For Further Information Contact:

William R. Jellison Senior Vice President and Chief Financial Officer (717) 849-4243 FOR IMMEDIATE RELEASE

DENTSPLY International Inc. Reports 2010 First Quarter Results

First quarter net sales increased 7.7%
Non-GAAP earnings per share increased 2.3% to \$0.44

York, PA – April 29, 2010 — DENTSPLY International Inc. (NASDAQ–XRAY) today announced sales and earnings for the three months ended March 31, 2010. Net sales in the first quarter of 2010 increased 7.7% to \$545.9 million compared to \$506.9 million reported for the first quarter of 2009. Net sales, excluding precious metal content, were \$497.5 million, a 6.8% increase compared to the first quarter of 2009. Net sales, excluding precious metal content, were favorably impacted by strengthening internal growth, the benefit of a weaker U.S. dollar in the period, and acquisitions. Net sales of dental consumable products and dental specialty products continued to generate positive internal growth in the period.

Net income attributable to DENTSPLY International for the first quarter of 2010 was \$61.8 million, or \$0.41 per diluted share, compared to \$0.41 per diluted share in the first quarter of 2009. Net income attributable to DENTSPLY International in the first quarter of 2010 included the net of tax impact of restructuring and other costs of \$2.8 million, a \$0.4 million net of tax impact for acquisition-related activities and a net charge for income tax-related adjustments of \$0.4 million. Net income attributable to DENTSPLY International in the first quarter of 2009 included the net of tax impact of restructuring and other costs of \$1.0 million, a \$1.1 million net of tax impact for acquisition-related activities and a net charge for income tax-related adjustments of \$0.3 million. These items, in aggregate, reduced earnings on a net basis by \$0.03 per diluted share in the first quarter of 2010 and \$0.02 per diluted share in the first quarter of 2009. For a reconciliation of the non-GAAP measure to earnings per share calculated according to GAAP, see the attached table.

Bret Wise, Chairman and Chief Executive Officer, stated "We are beginning to see the early signs of growth returning to the dental markets in several geographies and product categories, and are also continuing to see momentum in a number of our businesses beyond market growth. We are encouraged by the early results from the investments we made late last year in incremental sales and marketing resources, and continue to enjoy a robust pipeline of new product innovations. These factors give us continued confidence in our full year 2010 earnings guidance of \$1.90 to \$2.00." This guidance for earnings per diluted share is on a non-GAAP basis, excluding restructuring and other costs, acquisition-related activities and income tax-related adjustments.



ADDITIONAL INFORMATION

A conference call has been scheduled for Thursday, April 29, 2010 at 8:30 AM Eastern Time. A live broadcast is available through Shareholder.com by accessing DENTSPLY's website at www.dentsply.com. In order to participate in the call, dial (888) 778-9067 (for domestic calls) and (913) 312-0645 (for international calls). The Conference ID # is 3478481. At that time, you will be able to discuss the first quarter earnings with DENTSPLY's Chairman and Chief Executive Officer, Mr. Bret Wise; President and Chief Operating Officer, Mr. Chris Clark; and Senior Vice President and Chief Financial Officer, Mr. William Jellison.

A rebroadcast of the conference call will be available to the public on-line at the DENTSPLY website www.dentsply.com. You may also access a dial-in replay for one week following the call at (888) 203-1112 (for domestic calls) or (719) 457-0820 (for international calls), pass code # 3478481.

DENTSPLY designs, develops, manufactures and markets a broad range of products for the dental market. The Company believes that it is the world's leading manufacturer and distributor of dental prosthetics, precious metal dental alloys, dental ceramics, endodontic instruments and materials, prophylaxis paste, dental sealants, ultrasonic scalers, and crown and bridge materials; the leading United States manufacturer and distributor of dental handpieces, dental x-ray film holders, film mounts and bone substitute/grafting materials; and a leading worldwide manufacturer or distributor of dental implants, impression materials, orthodontic appliances, dental cutting instruments, infection control products, and dental injectable anesthetics. The Company distributes its dental products in over 120 countries under some of the most well-established brand names in the industry.

DENTSPLY is committed to the development of innovative, high quality, cost-effective new products for the dental market.

This press release contains forward-looking information (within the meaning of the Private Securities Litigation Reform Act of 1995) regarding future events or the future financial performance of the Company that involve substantial risks and uncertainties. Actual events or results may differ materially from those in the projections or other forward-looking information set forth herein as a result of certain risk factors.

These risk factors include, without limitation; the continued strength of dental markets, the timing, success and market reception for our new and existing products, uncertainty with respect to governmental actions with respect to dental products, outcome of litigation, continued support of our products by influential dental professionals, and changes in the general economic environment that could affect our business. Changes in such assumptions or factors could produce significantly different results. For an additional description of risk factors, please refer to the Company's Annual Report on Form 10-K and its subsequent periodic reports on Forms 10-Q filed with the Securities and Exchange Commission.



NON-GAAP FINANCIAL MEASURES

In addition to the results reported in accordance with accounting principles generally accepted in the United States ("GAAP"), the Company provided adjusted operating income, adjusted net income attributable to DENTSPLY International and adjusted earnings per diluted share. These adjusted amounts consist of GAAP amounts excluding (1) restructuring and other costs, (2) acquisition-related charges, (3) adoption of certain new accounting standards, and (4) income tax-related adjustments. Adjusted earnings per diluted share are calculated by dividing adjusted net income attributable to DENTSPLY International by diluted weighted-average shares outstanding. The Company also provided an operational tax rate, which is the Company's effective tax rate, a GAAP measure, adjusted for certain one-time charges. Adjusted operating income, adjusted net income attributable to DENTSPLY International, adjusted earnings per diluted share and operating tax rate are considered measures not calculated in accordance with GAAP, and therefore are non-GAAP measures. These non-GAAP measures may differ from other companies.

The Company believes that the presentation of adjusted operating income, adjusted net income attributable to DENTSPLY International, adjusted earnings per diluted share and operating tax rate provides important supplemental information to management and investors seeking to understand the Company's financial condition and results of operations. The non-GAAP financial information should not be considered in isolation from, or as a substitute for, measures of financial performance prepared in accordance with GAAP.



DENTSPLY INTERNATIONAL INC. CONSOLIDATED STATEMENTS OF OPERATIONS (IN THOUSANDS EXCEPT PER SHARE DATA)

	Т	HREE MON MARC		FHS ENDED H 31,	
		2010		2009	
NET SALES	\$	545,944	\$	506,949	
NET SALES - Ex Precious Metal Content		497,486		465,650	
COST OF PRODUCTS SOLD		263,906		241,217	
GROSS PROFIT		282,038		265,732	
% OF NET SALES		51.7%		52.4%	
% OF NET SALES - Ex Precious Metal Content		56.7%		57.1%	
SELLING, GENERAL & ADMINISTRATIVE EXPENSES		188,034		177,987	
RESTRUCTURING AND OTHER COSTS		4,680	_	1,570	
INCOME FROM OPERATIONS		89,324		86,175	
% OF NET SALES		16.4%		17.0%	
% OF NET SALES - Ex Precious Metal Content		18.0%		18.5%	
NET INTEREST AND OTHER NON OPERATING EXPENSE		5,878		5,114	
PRE-TAX INCOME		83,446		81,061	
INCOME TAXES		21,255		21,131	
NET INCOME	\$	62,191	\$	59,930	
% OF NET SALES		11.4%		11.8%	
% OF NET SALES - Ex Precious Metal Content		12.5%		12.9%	
LESS: NET INCOME (LOSS) ATTRIBUTABLE TO THE NONCONTROLLING INTERESTS		348		(1,813)	
NET INCOME ATTRIBUTABLE TO DENTSPLY INTERNATIONAL	\$	61,843	\$	61,743	
% OF NET SALES		11.3%		12.2%	
% OF NET SALES - Ex Precious Metal Content		12.4%		13.3%	
EARNINGS PER COMMON SHARE					
-BASIC	\$	0.42	\$	0.42	
-DILUTIVE	\$	0.41	\$	0.41	
DIVIDENDS PER COMMON SHARE	\$	0.05	\$	0.05	
WEIGHTED AVERAGE NUMBER OF COMMON SHARES OUTSTANDING					
-BASIC		146,776		148,514	
-DILUTIVE		149,294		149,705	



DENTSPLY INTERNATIONAL INC. CONDENSED CONSOLIDATED BALANCE SHEETS (IN THOUSANDS)

ASSETS	M	MARCH 31, 2010		CEMBER 31, 2009
CURRENT ASSETS:				
CASH AND CASH EQUIVALENTS	\$	405,017	\$	450,348
ACCOUNTS AND NOTES RECEIVABLE-TRADE, NET		355,030		348,684
INVENTORIES, NET		301,198		291,640
OTHER CURRENT ASSETS		117,209		127,124
TOTAL CURRENT ASSETS		1,178,454		1,217,796
PROPERTY, PLANT AND EQUIPMENT, NET		420,779		439,619
IDENTIFIABLE INTANGIBLE ASSETS, NET		83,515		89,086
GOODWILL, NET		1,279,103		1,312,596
OTHER NONCURRENT ASSETS, NET		24,896		28,835
TOTAL ASSETS	\$	2,986,747	\$	3,087,932
LIABILITIES AND EQUITY				
CURRENT LIABILITIES	\$	327,435	\$	444,556
LONG-TERM DEBT		457,565		387,151
DEFERRED INCOME TAXES		70,166		72,524
OTHER LIABILITIES		248,963		276,743
TOTAL LIABILITIES		1,104,129		1,180,974
EQUITY		1,811,188		1,832,105
NONCONTROLLING INTERESTS		71,430		74,853
TOTAL LIABILITIES AND EQUITY	\$	2,986,747	\$	3,087,932



DENTSPLY INTERNATIONAL INC.

(IN THOUSANDS EXCEPT PER SHARE DATA)

Operating Income Summary:

The following tables present the reconciliation of reported GAAP operating income in total and on a percentage of net sales, excluding precious metal content, to the non-GAAP financial measures.

Three Months Ended March 31, 2010

	I	perating ncome xpense)	Percentage of Net Sales, Ex Precious Metal Content	
Income from Operations	\$	89,324	18.0%	
Restructuring and Other Costs		4,680	0.9%	
Acquisition-Related Activities		518	0.1%	
Adjusted Non-GAAP Operating Earnings	\$	94,522	<u> </u>	

Three Months Ended March 31, 2009

	Îr	erating ncome kpense)	Percentage of Net Sales, Ex Precious Metal Content	
Income from Operations	\$	86,175	18.5%	
Restructuring and Other Costs		1,570	0.3%	
Acquisition-Related Activities		2,604	0.6%	
Adjusted Non-GAAP Operating Earnings	\$	90,349	<u> </u>	



DENTSPLY INTERNATIONAL INC.

(IN THOUSANDS EXCEPT PER SHARE DATA)

Earnings Summary:

The following tables present the reconciliation of reported GAAP net income attributable to DENTSPLY International and on a per share basis to the non-GAAP financial measures.

Three Months Ended March 31, 2010

	Income (Expense)		 Diluted Per Share	
Net Income Attributable to DENTSPLY International	\$	61,843	\$ 0.41	
Restructuring and Other Costs, Net of Tax and Noncontrolling Interests		2,791	0.02	
Acquisition-Related Activities, Net of Tax and Noncontrolling Interests		387	0.00	
Income Tax-Related Adjustments		437	0.00	
Rounding			0.01	
Adjusted Non-GAAP Earnings	\$	65,458	\$ 0.44	

Three Months Ended March 31, 2009

			Diluted Per Share	
Net Income Attributable to DENTSPLY International	\$ 61,743	\$	0.41	
Restructuring and Other Costs, Net of Tax and Noncontrolling Interests	996		0.01	
Acquisition-Related Activities, Net of Tax and Noncontrolling Interests	1,119		0.01	
Income Tax-Related Adjustments	 282		0.00	
Adjusted Non-GAAP Earnings	\$ 64,140	\$	0.43	



DENTSPLY INTERNATIONAL INC.

(IN THOUSANDS)

Operating Tax Rate Summary:

The following tables present the reconciliation of reported GAAP effective tax rate as a percentage of pre-tax income to the non-GAAP financial measure.

Three Months Ended March 31, 2010

	Pre-tax Income Income					ome Taxes	Percentage of Pre-tax Income
As Reported - GAAP Operating Results	\$	83,446	\$	(21,255)	25.5%		
Restructuring and Other Costs		4,680		(1,743)			
Acquisition-Related Activities		518		(131)			
Income Tax-Related Adjustments	. <u></u>	_		437			
As Adjusted - Non-GAAP Operating Results	\$	88,644	\$	(22,692)	25.6%		

Three Months Ended March 31, 2009

	Pre-tax				Percentage of Pre-tax		
	<u> </u>	ncome	Income Taxes		Income		
As Reported - GAAP Operating Results	\$	81,061	\$	(21,131)	26.1%		
Restructuring and Other Costs		1,570		(574)			
Acquisition-Related Activities		2,604		(739)			
Income Tax-Related Adjustments		-		282			
As Adjusted - Non-GAAP Operating Results	\$	85,235	\$	(22,162)	26.0%		