# Overview of the Dental Products Market March 2012

**Brocair Partners Industry Survey Series** 



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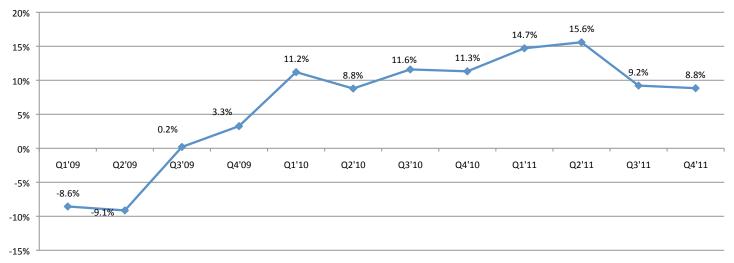
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#### **1. Market Overview**

The U.S., Europe and Japan are the dominant dental markets, collectively accounting for more than 85% of global revenue. In recent years, an aging population coupled with rising awareness of the importance of oral health, higher aesthetic standards and improved dental treatments have boosted the growth of this segment. In a recent study, the American Dental Association reported that a person's smile outranked eyes, hair and body as the most important physical feature. All of these factors have brought the global dental equipment and consumables market to an estimated size of US\$19.7 billion in 2010<sup>1</sup>. This market, driven by technological advancements, is expected to grow at a CAGR of 7%, reaching an estimated size of \$27.6 billion by 2015.

Revenue growth in this market is expected to be highest in the U.S. and Europe, where the generation of aging baby boomers can afford higher quality dental procedures. This is also expected to be a catalyst for the growth and popularity of cosmetic treatments and implants along with the increasing demand for better orthodontic products by adolescents. Recovering from the financial crisis, the dental implant market is also expected to achieve a 5-year sales CAGR of 7%, growing from US\$3.6 billion in 2010 to \$5.1 billion by 2015<sup>2</sup>. The most important sources of dental implant growth are new dentists being converted from traditional dental procedures. With a 15% penetration rate, there is still considerable scope for dental implant-supported tooth replacements to displace conventional solutions.



#### Dental Products: Average\* Year-Over-Year Revenue Growth

\*Average revenue growth index comprised of:: Align Technology, Inc.; Biolase Technology, Inc.; COLTENE Holding AG; DENTSPLY International, Inc.; Henry Schein, Inc.; Meta Biomed Co. Ltd.; Nobel Biocare Holding AG; Osstern Implant Co. Ltd.; Patterson Companies, Inc.; SDI Ltd.; Shin Hung Co., Ltd.; Shofu, Inc.; Sirona Dental Systems, Inc. Straumann Holding AG; Value Added Technologies Co. Ltd.; and Young Innovations, Inc.

Source: Capital IQ





# 1. Market Overview (cont'd)

Also spurring growth is emerging technology, which reduces the overall turnaround time for dental procedures while improving efficiency of the dental practitioner. For example, the introduction of CAD/CAM (computer-aided design and manufacturing) has increased precision and reduced designing time for dental crowns and bridges. Many market participants and industry experts are pointing to this area of the dental products market for the next wave of growth. Demand for customized prosthetics with better quality, higher precision of fit and greater ease of fabrication is increasing rapidly. In 2010, the CAD/CAM dental prosthetics market was already a US\$1 billion market, growing at a 5-year CAGR of 15%<sup>3</sup>. Separately, the use of 3D imaging techniques has improved patient diagnosis and procedure planning. According to a recent Morgan Stanley survey, over 60% of North American dentists currently use some form of in-office digital imaging technology, a rate which has been steadily climbing for over 20 years and continues to trend positively<sup>4</sup>.

Looking at the emerging dental markets, rapid expansion is taking place in countries like China and India. For example, by the year 2017 the forecasted market volume for dental implants in both countries will exceed US\$400 million<sup>5</sup>. Strong double-digit growth rates are also predicted for Brazil, another potent emerging market. The rapid growth of dental implants will also drive the market for dental biomaterials and bone substitutes within these countries. The deregulation of dental care services in China and India has also fueled the growth of private dental clinics in major developing urban centers.



<sup>3</sup> Deutsche Bank Research, 2011

<sup>4</sup> Morgan Stanley Research, 2011

<sup>5</sup> Frost & Sullivan, 2011

#### 2. Dental Products Selected Competitive Matrix

Company	Laboratory Products	Laboratory Services De	ntal Office Equipment Dent	al Office prosthetin prosthetinp?	Naterials	Preventativ Supple	e 5 Distribut
A-Dec	<b>X</b> .	5.	ę U		<i>N</i> <sub>1</sub> .		V <sup>.</sup>
3M (ESPE/Unitek)							
AAP Implantate							
Air Techniques							
Align Technology							
Amann Girrbach							
Arseus							
Beijing Wandong							
Benco							
BioHorizons							
Biolase Technology							
Biomet (3i)							
Bombay Burmah Trading							
Brasseler USA							
Cantel Medical							
Cendres+Métaux							
COLTENE							
Danaher							
Den-Mat							
DentalEZ							
DENTSPLY							
Dürr Dental							
EMS - Electro Medical Systems							

Table 1: Selected Dental Products Companies Matrix by Product Type



### 2. Dental Products Selected Competitive Matrix (cont'd)

	atory	tory	Offic	e aloff	ables tic	51	tative	
Company	Laboratory Products	Laboratory	Dental Office Equipment	e Dental Off Consum	ables Prosthetic	Materials	Preventative Supplies	Distributio
Glidewell Laboratories								
Henry Schein								
Heraeus Holding (Heraeus Kulzer)								
ImageWorks								
lvoclar Vivadent								
Keystone								
Koninklijke Philips								
Kyocera (Japan Medical Materials)								
Lisi								
Meta Biomed								
Millennium Dental Technologies								
MIS Implants								
Nakanishi								
National Dentex								
Neoss								
Nobel Biocare								
OrthoClear								
Osstem								
Patterson								
Planmeca								
Premier Products								
Pro-Dex								
Ranir								



## 2. Dental Products Selected Competitive Matrix (cont'd)

Company	Laborator	Laboratory Laboratory	Dental Off	pental Off	ables Prosthetic	nts Materials	Preventative Supplies	o Distributic
Schütz Dental								
SDI Ltd.								
Sentage (Dental Services Group)								
Septodont								
Shin Hung								
Shofu								
Sirona Dental Systems								
Sterngold								
Straumann								
Tekka								
Tigran								
Value Added Technologies								
Vita Zahnfabrik H. Rauter								
Wieland Dental +Technik								
Young Innovations								
Zest Anchors								
Zimmer								



Company & Description	Key Financial	Data				
	\$ in millions	2007A	2008A	2009A	2010A	2011A
ALIGN	Sales	\$284.3	\$304.0	\$312.3	\$387.1	\$479.7
LIGN TECHNOLOGY, INC.	Sales Growth		6.9%	2.7%	23.9%	23.9%
	EBITDA	\$43.8	\$36.2	\$56.1	\$113.6	\$109.0
Location: San Jose, CA	EBITDA Margin	15.4%	11.9%	18.0%	29.4%	22.7%
Align Technology, Inc. engages in the design, manufacture, and marketing of the Invisalign system for treating malocclusion or the	Market Cap	\$2,241.4				
nia keing of the invising system to the addig matched by the misalignment of teeth; and the provision of 3D digital intra-oral scanners, and computer-aided design and computer-aided manufactur- ing (CAD/CAM) restorative models for the orthodontic and dental industry worldwide.	Enterprise Value*	\$1,993.3				
	FYE: December 31s	t				
	LTM: December 31s	st. 2011				
BIOLASE	\$ in millions	2007A	2008A	2009A	2010A	2011A
RINI ACE						-
DIULIJL	Sales	\$66.9	\$64.6	\$43.3	\$26.2	\$48.9
	Sales Growth		-3.4%	-32.9%	-39.5%	86.3%
Location: Irvine, CA	EBITDA	(\$6.3)	(\$5.1)	(\$1.5)	(\$10.4)	(\$3.3)
<ul> <li>BIOLASE Technology, Inc. develops, manufactures, and markets lasers</li> </ul>	EBITDA Margin	-9.4%	-7.8%	-3.5%	-39.6%	-6.8%
and related products focused on technologies for improved applica-	Market Cap	\$88.4				
tions and procedures in dentistry and medicine.		A				
tions and procedures in dentistry and medicine.	Enterprise Value*	\$85.1				
<ul> <li>Its principal products provide dental laser systems that allow general</li> </ul>	Enterprise Value* FYE: December 31s					
	· ·	t				
<ul> <li>Its principal products provide dental laser systems that allow general dentists, periodontists, endodontists, oral surgeons, and other special- ists to perform a range of dental procedures, including cosmetic and</li> </ul>	FYE: December 31s	t				

\*Enterprise Value (EV) = market capitalization + debt + minority interest



2011A

\$156.4

-4.9%

\$18.4 11.7%

LTM

\$2,537.7

14.3%

\$422.0

16.6%

2010A

\$164.4

12.4%

\$25.1

15.3%

2011A

\$2,221.0

2.9%

\$457.9

20.6%

### 3. Profiles of Select Participants in the Dental Products Market (cont'd)

ompany & Description	Key Financial	Data					
	\$ in millions	2007A	2008A	2009 <i>A</i>			
	Sales	\$148.3	\$156.5	\$146.3			
	Sales Growth		5.5%	-6.5%			
Location: Altstatten, Switzerland	EBITDA	\$26.5	\$28.2	\$23.8			
	EBITDA Margin	17.9%	18.0%	16.3%			
COLTENE Holding AG develops, manufactures, and sells dental con- sumables and small equipment in Switzerland and internationally.	Market Cap	\$145.3					
The company offers restorative materials, endodontic materials,	Enterprise Value*	\$175.2					
prosthetics, rotary instruments, treatment auxiliaries, surgical face masks and Rexam gloves, and laboratory products, as well as small	FYE: December 31st						
equipment, such as ultrasonic cleaners, scalers, electrosurgery devices, and curing lights.	LTM: December 31s	st, 2011					
CENTERI V	\$ in millions	<b>2008A</b> \$2.009.8	<b>2009A</b> \$2.191.5	<b>2010A</b> \$2.159.4			
LENJELI	Sales Growth	42,000,0	9.0%	-1.5%			
contion Vork DA	EBITDA	\$415.7	\$469.8	\$452.9			
ocation: York, PA		20.7%	21.4%				
	EBITDA Margin	20.770	L1.170	21.0%			
DENTSPLY International Inc. designs, develops, manufactures, and markets dental consumable products, dental laboratory products, and	Market Cap	\$5,695.8		21.0%			
0 1 1				21.0%			
markets dental consumable products, dental laboratory products, and dental specialty products worldwide. The company's dental consumable products include dental sundries	Market Cap	\$5,695.8 \$7,620.0		21.0%			
markets dental consumable products, dental laboratory products, and dental specialty products worldwide.	Market Cap Enterprise Value*	\$5,695.8 \$7,620.0 t		21.0%			

\*Enterprise Value (EV) = market capitalization + debt + minority interest



Company & Description	Key Financial	Data				
	\$ in millions	2007A	2008A	2009A	2010A	2011A
HENRY SCHEIN®	Sales	\$5,889.9	\$6,380.4	\$6,538.3	\$7,526.8	\$8,530.
	Sales Growth		8.3%	2.5%	15.1%	13.3%
Location: Melville, NY	EBITDA	\$460.9	\$520.7	\$548.6	\$634.6	\$698.0
Henry Schein, Inc. distributes healthcare products and services primarily to office-based healthcare practitioners. It operates in two segments,	EBITDA Margin	7.8%	8.2%	8.4%	8.4%	8.2%
Healthcare Distribution and Technology.	Market Cap	\$6,906.7				
The Healthcare Distribution segment offers consumable dental prod- ucts, dental laboratory products, and small and large dental equip-	Enterprise Value*	\$7,604.2				
ment. It also provides medical products and animal health products.	FYE: December 31st					
<ul> <li>The Technology segment offers software and related products, and value-added solutions that primarily include practice management software systems for dental and medical practitioners and animal health clinics.</li> </ul>	LTM: December 31st	t, 2011				
	\$ in millions	2007A	2008A	2009A	2010A	LTM
$\sim$						
M	Sales	\$16.3	\$14.7	\$19.6	\$20.8	\$21.1
$\square$	Sales Sales Growth	\$16.3	\$14.7 -9.4%	\$19.6 33.3%	\$20.8 5.9%	\$21.1 1.3%
METABIOMED CO.LTD.		\$16.3 \$5.2	•			
	Sales Growth		-9.4%	33.3%	5.9%	1.3%
	Sales Growth EBITDA	\$5.2	-9.4% \$5.1	33.3% \$5.8	5.9% \$4.3	1.3% \$4.2
Location: Cheongwon-gun, South Korea     Meta Biomed Co., Ltd. engages in the research, development, and manu-	Sales Growth EBITDA EBITDA Margin	\$5.2 32.0%	-9.4% \$5.1	33.3% \$5.8	5.9% \$4.3	1.3% \$4.2
Location: Cheongwon-gun, South Korea	Sales Growth EBITDA EBITDA Margin Market Cap	\$5.2 32.0% \$52.5 \$60.6	-9.4% \$5.1	33.3% \$5.8	5.9% \$4.3	1.3% \$4.2
Location: Cheongwon-gun, South Korea     Meta Biomed Co., Ltd. engages in the research, development, and manufacture of dental materials and equipments, and absorbable multifilament	Sales Growth EBITDA EBITDA Margin Market Cap Enterprise Value*	\$5.2 32.0% \$52.5 \$60.6	-9.4% \$5.1	33.3% \$5.8	5.9% \$4.3	1.3% \$4.2

\*Enterprise Value (EV) = market capitalization + debt + minority interest



Company & Description	Key Financial	Data					
1	\$ in millions	2007A	2008A	2009A	2010A	2011A	
Nobel	Sales	\$972.4	\$865.2	\$833.3	\$773.2	\$739.4	
biocare	Sales Growth		-11.0%	-3.7%	-7.2%	-4.4%	
Location: Zurich, Switzerland	EBITDA	\$341.7	\$225.2	\$224.1	\$149.2	\$131.0	
Nobel Biocare Holding AG engages in the production and sale of	EBITDA Margin	35.1%	26.0%	26.9%	19.3%	17.7%	
restorative and esthetic dental solutions.	Market Cap	\$1,509.8					
Its products include prefabricated dental implants, ceramic and metal	Enterprise Value*	\$1,538.3					
crowns, and bridges for single-unit restoration, multiple-unit restora- tion, and full arch restoration; healing, temporary, and final abutments,	FYE: December 31st						
as well as overdenture bars.	LTM: December 31s	st, 2011					
The company also offers products for diagnostics, prosthetic-driven treatment planning, and guided-implant surgeries; scanners; and biomaterials. The company also offers training and education services.							
	\$ in millions	2006A	2007A	2008A	2009A	2010A	
OSSTEM <sup>°</sup>	Sales	\$117.9	\$141.7	\$120.3	\$114.2	\$117.2	
	Sales Growth		20.2%	-15.1%	-5.0%	2.6%	
IMPLANT	EBITDA	\$25.5	\$27.9	\$18.5	\$14.5	\$13.5	
ocation: Seoul, South Korea	EBITDA Margin	21.7%	19.7%	15.4%	12.7%	11.5%	
	Market Cap	\$143.8					
Osstem Implant Co., Ltd. engages in the development, manufactures, and supply of implants and dental products.	Enterprise Value*	\$186.4					
It offers SS system, US system, and GS system implants used for vari-	FYE: December 31s	t					
ous domestic clinical oral cavity and surgical cases.	LTM: December 31s	st, 2010					
In addition, Osstem Implant Co. offers orthodontic screws, and tempo- rary and post implants.							
Further, it provides various surgical kits and tools.							

\*Enterprise Value (EV) = market capitalization + debt + minority interest



	\$ in millions	2008A	2009A	2010A	2011A	LTM
DATTERCONT	Sales	\$2,998.7	\$3,094.2	\$3,237.4	\$3,415.7	\$3,483.1
PATTERSON	Sales Growth		3.2%	4.6%	5.5%	2.0%
COMPANIES, INC.	EBITDA	\$385.5	\$376.6	\$394.8	\$417.3	\$400.2
ocation: St. Paul, MN	EBITDA Margin	12.9%	12.2%	12.2%	12.2%	11.5%
Patterson Companies, Inc. operates as a distributor serving the dental,	Market Cap	\$3,611.1				
companion-pet veterinarian, and rehabilitation supply markets in North America.	Enterprise Value*	\$3,923.3				
Its Dental Supply segment provides consumable dental supplies,	FYE: April 30th					
impression and restorative materials, hand instruments, sterilization products, anesthetics, infection control products, and disposable products.	LTM: January 28th,	2012				
The company also offers office products, office filing supplies, and practice management systems.						
	\$ in millions	2008A	2009A	2010A	2011A	LTM
	Sales	\$46.9	\$45.5	\$45.0	\$58.8	\$56.0
SDI	Sales Growth		-2.9%	-1.2%	30.9%	-4.9%
	EBITDA	\$2.6	\$4.2	\$4.8	\$3.9	\$4.0
ocation: Bayswater, Australia	EBITDA Margin	5.5%	9.2%	10.6%	6.7%	7.1%
SDI Limited engages in the research, development, manufacture, and	Market Cap	\$15.7				
marketing of amalgam and composite dental restorative materials,	Enterprise Value*	\$27.5				
and other dental materials.	FYE: June 30th					
	LTM: December 31s	t, 2011				
It offers alloys, adhesives, composites, tooth whitening products, ac- cessories, etchants, sealants, cements, and equipment.						
	LTM. December 313					

\*Enterprise Value (EV) = market capitalization + debt + minority interest



Company & Description	Key Financial	Data				
	\$ in millions	2008A	2009A	2010A	2011A	LTM
	Sales	\$152.6	\$167.0	\$171.6	\$189.6	\$204.8
SHOFU	Sales Growth		9.5%	2.7%	10.5%	8.0%
	EBITDA	\$20.0	\$22.0	\$19.1	\$19.9	\$21.8
B	EBITDA Margin	13.1%	13.2%	11.1%	10.5%	10.6%
Location: Kyoto, Japan	Market Cap	\$165.5				
Shofu, Inc. manufactures dental materials and equipment.	Enterprise Value*	\$94.0				
	FYE: March 31st					
<ul> <li>Its main products include artificial teeth, porcelain powders, abrasives and polishers, alloys, cements, acrylic materials, waxes, laboratory</li> </ul>	LTM: December 31s	st, 2011				
equipment, and orthodontic appliances.						
C ropol	\$ in millions	2008A	2009A	2010A	2011A	LTM
sirona.	Sales	\$757.1	\$713.3	\$770.3	\$913.9	\$936.3
The Dental Company	Sales Growth		-5.8%	8.0%	18.6%	2.5%
Location: Bensheim, Germany	EBITDA	\$160.7	\$167.0	\$194.9	\$233.4	\$231.7
Sirona Dental Systems, Inc. provides a range of dental products in     four primary grade dental computer eided	EBITDA Margin	21.2%	23.4%	25.3%	25.5%	24.7%
four primary areas: dental computer-aided design/computer-aided manufacturing (CAD/CAM) systems, imaging systems, treatment	Market Cap	\$2,919.0				
centers, and instruments.	Enterprise Value*	\$2,945.9				
<ul> <li>Its dental CAD/CAM systems product line addresses the market for various dental restorations, such as inlays, onlays, veneers, crowns,</li> </ul>	FYE: September 30	th				
bridges, copings, and bridge frameworks.	LTM: December 31s	st, 2011				
Sirona's imaging systems product line comprises a range of digital and film- based systems for diagnostic imaging in the dental practice.						
<ul> <li>The company's treatment centers product line includes a range of products from basic dentist chairs to chair-based units with integrated diagnostic, hygiene, and ergonomic functionalities, as well as special- ist centers used in preventative treatment and for training purposes.</li> </ul>						

\*Enterprise Value (EV) = market capitalization + debt + minority interest



2011A

\$742.0

-6.0% \$162.1 21.8%

**2011A** \$97.1 -14.1% \$9.9 10.2%

## 3. Profiles of Select Participants in the Dental Products Market (cont'd)

Company & Description	Key Financial	Data						
4	\$ in millions	2007A	2008A	2009A	2010A			
straumann	Sales	\$629.6	\$731.9	\$711.3	\$789.5			
	Sales Growth		16.3%	-2.8%	11.0%			
Location: Basel, Switzerland	EBITDA	\$208.0	\$83.7	\$200.0	\$215.4			
<ul> <li>Straumann Holding AG researches, develops, and manufactures dental implants, instruments, prosthetics, and tissue regeneration products for</li> </ul>	EBITDA Margin	33.0%	11.4%	28.1%	27.3%			
use in tooth replacement and restoration solutions, or to prevent tooth loss.	Market Cap	\$2,614.1						
The company offers tissue regenerative products for use to help	Enterprise Value* \$2,196.6							
restore gums, periodontal ligaments, and bone.	FYE: December 31s	it						
<ul> <li>In addition, the company offers dental implant systems, which comprise implants to replace individual teeth to carry multi-unit bridges and to attach fixed or removable full dentures.</li> </ul>	LTM: December 31s	st, 2011						
Further, it provides CAD/CAM prosthetics, including inlays, onlays, crowns, bridges, and screw-retained bars and bridges.								
	\$ in millions	2007A	2008A	2009A	2010A			
Caring Insight	Sales	\$69.4	\$63.5	\$81.2	\$113.0			
<b>Vatech</b>	Sales Growth		-8.5%	27.9%	39.1%			
	EBITDA	\$9.5	\$5.3	\$5.4	\$12.3			
Location: Hwaseong-si, South Korea	EBITDA Margin	13.6%	8.3%	6.6%	10.9%			
Value Added Technologies Co. Ltd. provides digital imaging systems	Market Cap	\$92.4						
for dental diagnosis and synthesizing programs for digital clinics in	Enterprise Value*	\$113.3						
South Korea.	FYE: December 31s	t						
<ul> <li>The company offers equipment for professional orthodontists, a digital X-ray intra-oral scanner system, standard x-ray products, and intra-oral cameras.</li> </ul>	LTM: September 30	0th, 2011						

\*Enterprise Value (EV) = market capitalization + debt + minority interest



Company & Description	Key Financial	Data				
1	\$ in millions	2007A	2008A	2009A	2010A	2011A
	Sales	\$97.4	\$99.1	\$97.7	\$102.8	\$106.2
VOUNC	Sales Growth		1.8%	-1.4%	5.2%	3.3%
YOUNG INNOVATIONS, TXC	EBITDA	\$24.9	\$23.8	\$25.6	\$27.2	\$28.5
	EBITDA Margin	25.6%	24.0%	26.1%	26.4%	26.8%
	Market Cap	\$250.1				
Location: Earth City, MO	Enterprise Value*	\$249.7				
Young Innovations, Inc. offers a range of dental products in two	FYE: December 31s	it				
categories, including consumables and diagnostics.	LTM: December 31s	st, 2011				
<ul> <li>Its consumable products include preventive products consisting of prophylaxis angles and pastes, fluorides, hand pieces and compo- nents, infection control products, disposable micro-applicators, and endodontic products.</li> <li>The company's diagnostic products comprise digital imaging systems,</li> </ul>						
film X-ray systems factory-refurbished film machines, and dental X-ray supplies and accessories.						

\*Enterprise Value (EV) = market capitalization + debt + minority interest



#### 4. Comparable Company Analysis -Dental Products

		52-Week					EV/Sales			EV/EBITDA		
Company	Price	High	Low	EV*	Net Debt	Market Cap	2010	2011	LTM	2010	2011	LTM
Align Technology, Inc.	\$28.31	\$28.50	\$14.25	\$1,993.3	\$(248.1)	\$2.241.4	3.1x	3.4x	4.2x	10.7x	15.2x	18.3x
Biolase Technology, Inc.	\$2.82	\$6.68	\$2.09	\$85.1	\$(3.3)	\$88.4	1.9x	1.5x	1.7x	NA	NA	NA
COLTENE Holding AG	\$35.10	\$61.85	\$31.51	\$174.2	\$29.0	\$145.3	1.7x	1.2x	1.1x	11.1x	9.9x	9.5x
DENTSPLY International, Inc.	\$40.01	\$40.37	\$28.35	\$7,620.0	\$1,888.1	\$5,695.8	2.3x	2.8x	3.0x	11.3x	16.5x	18.1x
Henry Schein, Inc.	\$76.67	\$77.05	\$58.50	\$7,604.2	\$294.1	\$6,906.7	0.8x	0.8x	0.9x	10.0x	9.4x	10.9x
Meta Biomed Co. Ltd.	\$3.07	\$5.52	\$1.46	\$60.4	\$7.9	\$52.5	1.7x	3.2x	2.9x	8.1x	16.2x	14.4x
Nobel Biocare Holding AG	\$12.33	\$21.80	\$8.58	\$1,537.4	\$27.6	\$1,509.8	3.0x	2.0x	2.1x	15.6x	11.5x	11.7x
Osstem Implant Co. Ltd.	\$10.13	\$12.76	\$6.66	\$187.2	\$36.7	\$143.8	2.3x	1.7x	1.6x	19.8x	14.4x	13.9x
Patterson Companies, Inc.	\$32.71	\$36.93	\$26.19	\$3,923.3	\$312.2	\$3,611.1	1.2x	1.0x	1.1x	9.9x	8.9x	9.8x
SDI Ltd.	\$0.13	\$0.20	\$0.13	\$27.1	\$11.5	\$15.7	0.5x	0.5x	0.5x	6.8x	7.4x	6.8x
Shofu, Inc.	\$10.30	\$11.99	\$8.73	\$88.5	\$(77.0)	\$165.0	0.4x	0.4x	0.4x	3.8x	3.8x	4.1x
Sirona Dental Systems, Inc.	\$52.21	\$57.87	\$38.69	\$2,945.9	\$24.3	\$2,919.0	3.1x	2.7x	3.1x	11.9x	10.7x	12.7x
Straumann Holding AG	\$168.92	\$267.20	\$144.16	\$2,210.1	\$(404.0)	\$2,614.1	4.2x	3.2x	3.0x	15.2x	14.6x	13.6x
Value Added Technologies Co. Ltd	\$6.23	\$10.48	\$4.65	\$112.6	\$20.2	\$92.4	1.5x	1.2x	1.2x	13.9x	11.4x	11.3x
Young Innovations, Inc.	\$31.65	\$32.10	\$25.06	\$249.7	\$(0.4)	\$250.1	2.5x	2.2x	2.4x	9.5x	8.2x	8.8x

		EV/Sales		EV/EBITDA				
	2010	2011	LTM	2010	2011	LTM		
High	4.2x	3.4x	4.2x	19.8x	16.5x	18.3x		
Mean	2.0x	1.8x	1.9x	11.3x	11.3x	11.7x		
Median	1.9x	1.7x	1.7x	10.9x	11.1x	11.5x		
Low	0.4x	0.4x	0.4x	3.8x	3.8x	4.1x		

\*Enterprise Value (EV) = market capitalization + debt + minority interest

All currency figures in USD. Price figures in actual dollars; EV, Net Debt, and Market Cap in millions.



#### 5. Comparable Transaction Analysis -Dental Products

Closing Date	Target	Buyer	Transaction Description	Total Trans. Value (\$m)	Enterprise Value (\$m)	EV*/ Revenues	EV*/ Ebitda
3/2/12	Biomain AB	Heraeus Kulzer GmbH	Heraeus Kulzer GmbH acquired Biomain AB from Jerry Wiener, Joachim Samuelsson and other shareholders. Biomain AB is the Scandinavian market leader in the field of custom CAD/CAM- produced implant prosthetics and components.	>29.9**	NA	NA	NA
11/15/2011	Den-Mat Holdings, LLC	Centre Partners Management LLC & Mill Street Partners LLC	Mill Street Partners LLC and Centre Partners Management LLC acquired 100% of Den-Mat Holdings, LLC from DLJ Merchant Banking Partners. Den-Mat Holdings manufactures and markets cosmetic and restorative dental products.	NA	NA	NA	NA
9/29/2011	Medical Imaging Technologies Pty Ltd.	Shimadzu Medical Systems Pty Limited	Shimadzu Medical Systems Pty Limited acquired the Planmeca & Planmed (OPG & Mammo systems) distributorship from Medical Imaging Technologies Pty Ltd for AUD 1.5 million. Those business lines engage in the sale and service of dental equipment.	1.5	1.5	NA	NA
9/1/2011	Bio Medi Face S.A.	Heraeus Kulzer Schweiz AG	Heraeus Kulzer Schweiz AG acquired 100% of Bio Medi Face SA. Bio Medi Face engages in the research, development, and production of bio-medical prosthetics.	NA	NA	NA	NA
8/31/2011	Astra Tech AB	DENTSPLY International, Inc.	DENTSPLY International, Inc. acquired Astra Tech AB from AstraZeneca PLC for \$1.8 billion in cash. DENTSPLY International obtained debt financing commitments from Morgan Stanley for the transaction. Astra Tech develops, manufactures, and markets dental implants, abutments, and medical devices.	1,785.0	1,785.0	3.3x	17.0x
7/7/2011	Dental Equipment Specialist, Inc.	Benco Dental Company	Benco Dental Company acquired 100% of Dental Equipment Specialist, Inc., a family-owned company serving the Central Valley of California with dental services and equipment.	NA	NA	NA	NA
7/5/2011	Dental Wings, Inc.	Straumann Holding AG	Straumann Holding AG acquired a 30% stake in Dental Wings, Inc. The company provides open dental CAD/CAM solutions.	NA	NA	NA	NA
5/31/2011	Al's Dental Repair Service, Inc.	Benco Dental Company	Benco Dental Company acquired 100% of AI's Dental Repair Service. Upon closing, AI's Dental Repair became Benco DentaI's Fresno, California branch. AI's engages in distribution and repair of dental products and equipment.	NA	NA	NA	NA
4/29/2011	Cadent, Inc.	Align Technology, Inc.	Align Technology, Inc. acquired Cadent, Inc. from Apax Partners Worldwide LLP, Goldrock Capital, Pitango Venture Capital, SV Life Sciences, and others for \$190 million in cash. The purchase price included debt amount adjustments. Cadent provides 3-D digital and CAD/CAM solutions for orthodontic and dentistry industries.	190.0	190.0	4.8x	NA
4/27/2011	Guangzhou Wandong Company	Beijing Wandong Medical Equipment Co. Ltd.	Beijing Wandong Medical Equipment Co. Ltd. acquired an additional 30% equity of Guangzhou Wandong Company from an individual shareholder. Beijing Wandong now owns 80% of Guangzhou Wandong.	NA	NA	NA	NA



### 5. Comparable Transaction Analysis -Dental Products (cont'd)

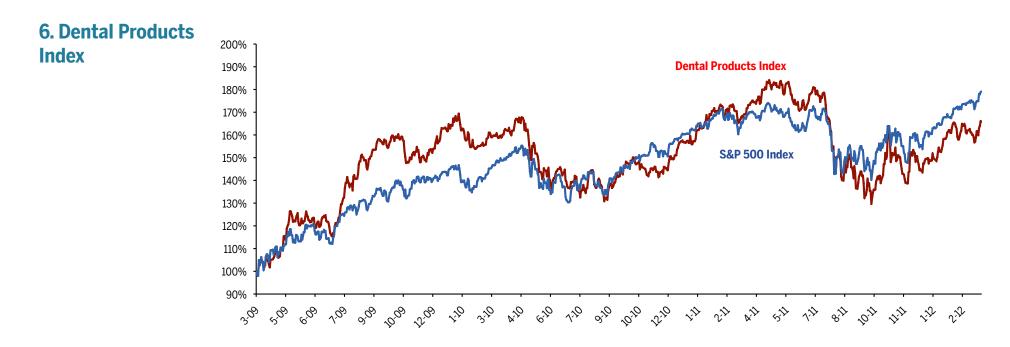
Closing Date	Target	Buyer	Transaction Description	Total Trans. Value (\$m)	Enterprise Value (\$m)	EV*/ Revenues	EV*/ Ebitda
3/22/2011	Novalar Pharmaceuticals, Inc.	Septodont Limited	Septodont Limited acquired Novalar Pharmaceuticals, Inc. from a group of investors. The financial terms of the transaction were not disclosed. As part of agreement, Septodont acquired OraVerse from Novalar Pharmaceuticals, Inc. Novalar shut down following the sale of OraVerse as it has no other drug candidates in its pipeline. Previously, Novalar developed oral pharmaceuticals for the dental space.	NA	NA	NA	NA
1/25/2011	UNI-DENT nv	Elysee Dental Solutions B.V.	Elysee Dental Solutions B.V. acquired 100% of UNI-DENT nv. UNI- DENT owns and operates dental laboratories.	NA	NA	NA	NA
1/14/2011	Flemming Dental Service GmbH	AUCTUS Capital Partners AG	AUCTUS Capital Partners AG acquired a majority stake in Flemming Dental Service GmbH from an international consortium of investors. The financial terms of the deal were not disclosed. Flemming Dental manufactures dental prostheses.	NA	NA	NA	NA
12/31/2010	Implant Direct International, Inc.	Sybron Dental Specialties, Inc.	Sybron Dental Specialties Inc. acquired a 75% interest in Implant Direct International, Inc. Sybron Dental and Implant Direct will combine their implant and abutment businesses into a single operation to be named Implant Direct Sybron International.	NA	NA	NA	NA
12/31/2010	Discus Holdings, Inc.	Koninklijke Philips Electronics NV	Koninklijke Philips Electronics NV acquired Discus Holdings, Inc Upon closing of the transaction, Discus became part of Philips' Consumer Lifestyle sector's Health and Wellness business. Discus engages in the manufacture, marketing, and distribution of products for the aesthetic dentistry market.	179.3	179.3	NA	NA
11/5/2010	Amann Girrbach AG	TA Associates, Inc.	TA Associates, Inc. acquired a stake in Amann Girrbach AG from Hypo Unternehmensbeteiligungen AG which is managed by Alpine Equity and the company's founders. Amann Girrbach manufactures dental laboratory equipment.	37.3	NA	NA	NA
10/29/2010	Vigodent SA Indústria e Comércio	COLTENE Holding AG	COLTENE Holding AG acquired the remaining 60% stake in Vigodent SA Indústria e Comércio. A newly defined management team will drive forward the integration locally and report directly to COLTENE's management. Vigodent SA manufactures and markets dental materials.	5.9	9.8	0.8x	NA
10/28/2010	Lifco Dental AB	Lifco AB	Lifco AB acquired the remaining 30% stake in Lifco Dental AB from Oriola-KD Corporation. Lifco Dental AB will operate as wholly owned subsidiary of Lifco AB. Lifco Dental distributes dental material, equipment and supplies.	96.1	320.4	1.3x	NA



### 5. Comparable Transaction Analysis -Dental Products (cont'd)

Closing Date	Target	Buyer	Transaction Description	Total Trans. Value (\$m)	Enterprise Value (\$m)	EV*/ Revenues	EV*/ Ebitda
10/27/2010	Güney Dis Deposu Tic. Ve San. A.S.	Henry Schein, Inc.	Henry Schein, Inc. acquired a 50% non-consolidating interest in Guney Dis Deposu Ticaret Ve Sanayi A S from the family of Ferizan Peker. The financial terms of the transaction were not disclosed. The remaining 50% will be held by Ferizan Peker. Güney Dis Deposu engages in the distribution of dental equipment.	NA	NA	NA	NA
9/30/2010	Orthospain SL	DENTSPLY International, Inc.	DENTSPLY International Inc. acquired 100% of Orthospain SL. Orthospain distributes orthodontic material and dental products.	NA	NA	NA	NA
9/20/2010	Camlog Holding AG	Henry Schein, Inc.	Henry Schein, Inc. acquired a 49.9% stake in Camlog Holding AG. Henry Schein, Inc. also owns a 50.1% stake in Camlog Holding AG through its subsidiary, Henry Schein Europe, Inc. Camlog Holding manufactures and markets dental implants used in tooth replacements.	NA	NA	NA	NA
8/9/2010	E-Woo Dental Co., Ltd.	Value Added Technologies Co. Ltd.	Value Added Technologies Co. Ltd. signed a statutory merger agreement to acquire E-Woo Dental Co., Ltd. Value Added Technologies survived and E-Woo Dental was absorbed after the merger. E-Woo Dental Co.engages in manufacture and sale of dental equipment.	48.1	48.1	NA	NA
6/30/2010	Synpart Limited	Ranir, LLC	Ranir, LLC acquired Synpart Limited from HemCon Medical Technologies Europe Limited. The financial terms of the transaction were not disclosed. The deal also included the acquisition of Synpart AG. Synpart Limited manufactures oral care, first aid/wound care, and sports support/bandage products in Asia and Eastern Europe.	NA	NA	NA	NA
6/29/2010	National Dentex Corp.	GeoDigm Corporation	Welsh, Carson, Anderson & Stowe, through its portfolio company GeoDigm Corporation acquired 100% of National Dentex Corp. National Dentex owns and operates dental laboratories in North America.	125.6	124.4	0.8x	6.7x
6/28/2010	Zap Lasers, LLC	Discus Dental, Inc.	Discus Dental, Inc. acquired the intellectual property assets of Zap Lasers, LLC. Discus integrated ZAP's research and development and manufacturing functions into their southern California operations. Zap Lasers engages in manufacturing, marketing, and selling soft- tissue diode lasers.	NA	NA	NA	NA
3/11/2010	Snap-On Smile, Inc.	Den-Mat Holdings, LLC	Den-Mat Holdings, LLC acquired the brand and all intellectual property of Snap-On Smile, Inc. Snap-On Smile engages in developing and manufacturing dental appliances for non-invasive dentistry.	NA	NA	NA	NA
12/31/2009	Zest Anchors, LLC	The Jordan Company, L.P.	The Jordan Company, L.P. acquired 100% of Zest Anchors Inc. The financial terms of the deal were not disclosed. Zest Anchors designs and manufactures dental attachments.	NA	NA	NA	NA





\*Dental Products index includes: Align Technology, Inc.; Biolase Technology, Inc.; COLTENE Holding AG; DENTSPLY International, Inc.; Henry Schein, Inc.; Meta Biomed Co. Ltd.; Nobel Biocare Holding AG; Osstem Implant Co. Ltd.; Patterson Companies, Inc.; SDI Ltd.; Shin Hung Co., Ltd.; Shofu, Inc.; Sirona Dental Systems, Inc. Straumann Holding AG; Value Added Technologies Co. Ltd.; and Young Innovations, Inc. Source: Capital IQ

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