

DENTAL TRIBUNE

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CAD/CAM, Digital Dentistry & 3D Printing rock IDS

By Dental Tribune MEA / CAPPmea

COLOGNE, Germany: Held biennially in Cologne, Germany, the International Dental Show (IDS) is the largest and most important event for the global dental industry. At the

2017 edition, which took place from 21 to 25 March, over 2,300 companies from around the world exhibited, including international market leaders, among them Dentsply Sirona, Ivoclar Vivadent, 3Shape, Planmeca, VITA Zahnfabrik, Coltene, Amann



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(Photograph: Koelnmesse)

MIND BLOWING

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FONA
CLOSER TO YOU

Girrbach, Carestream, NEOSS and FONA.



Dentsply Sirona participated at IDS for the first time since the merger of DENTSPLY International and Sirona Dental Systems to form one of the largest dental manufacturers worldwide. The latest CEREC innovations were presented in 20 live demonstrations, showing how the chairside production of restorations can be integrated into the practice workflow. Furthermore, **the CEREC software has been comprehensively updated and opened, allowing export of data in STL format.** At IDS, the company unveiled more than 50 new products, including the reciprocating glide path file WaveOne Gold Glider, the OsseoSpeed Profile EV implant for extremely reduced bone volume, the S-Line handpiece series, the Midwest RDH hygiene handpiece and Nupro Freedom cordless prophylaxis system. The newest laboratory products included updates for inLab CAD SW 16.0 and inLab CAM SW 16.0, zirconia materials Celtra Press and Cercon xt, the inCoris CCB sintered metal disc, and the Atlantis CustomBase solution.



Ivoclar Vivadent is a global company based in Liechtenstein that offers a comprehensive range of innovative products and systems for dentists and dental technicians. At IDS, it presented its **new Ivoclar Digital brand of CAD/CAM products for both dental laboratories and practices for the first time**, including aesthetic, state-of-the-art materials for fixed, removable and implant-supported prosthetic restorations, such as versatile ZirCAD blocks and a range of discs for the IPS e.max system. Four new PrograMill digital milling units will enable dentists and laboratories to produce restorations quickly and easily. The Ivoclar Digital offering includes Service+ to assist laborato-

ries entering CAD/CAM fabrication by taking on design and production orders and offering a range of materials and indications. In addition to the new portfolio, innovations such as the new cordless Bluephase Style 20i curing light were showcased.

3shape

At IDS, 3Shape presented its brand-new digital solutions, designed to make everyday dentistry even more time- and cost-efficient. In addition to the Danish manufacturer's new affordable E scanners, including the D2000 laboratory scanner, and its X1 scanner, which delivers CBCT, panoramic, cephalometric and facial scanning in one system, **the new TRIOS 3 Wireless was introduced.** This version of 3Shape's award-winning TRIOS intra-oral scanner connects via Wi-Fi to a laptop and the TRIOS cart, eliminating the need for a cable between the scanner wand and computer. To make scanning simpler, the wand can be used to navigate between scan pages on the monitor so that there is no need to touch the keyboard or mouse when scanning. Another TRIOS product on display was a more moderately priced model without colour scanning, the TRIOS 3 Mono. Also on show were highly durable titanium scan bodies available for all major implant systems and the TRIOS Design Studio for same-day dentistry.

PLANMECA

Global leader in dental manufacturing Planmeca welcomed around 700 international distributors to its Dealer Event during IDS. In a visually impressive show, participants were introduced to the company's latest inventions, with particular highlights being the next-generation CBCT unit Planmeca Viso, which is capable of capturing images at a low radiation dose; Planmeca Emerald, a new intra-oral scanner that is small,

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exceedingly lightweight and fast; the Planmeca Romexis software suite; and the Planmeca PlanMill 40 S milling unit for dental clinics. According to the company, it combines superior usability with accurate high-speed milling and is the most powerful unit for chairside fabrication the dental market has seen. With these products, Planmeca provides a full clinical digital workflow. Also at IDS, the family-run business based in Finland premiered its Dream Clinic Show, which includes all of the latest Planmeca equipment and takes users through a case in which it is all applied.

VITA

VITA Zahnfabrik, a family-owned company now run by the fourth generation, presented new process-safe solutions for highly aesthetic results, as well as efficient and smooth clinical workflows. Among these were two materials based on the well-established restorative VITA ENAMIC, VITA ENAMIC multicolour and the highly translucent VITA ENAMIC ST; the space-saving VITA SMART.FIRE furnace for the dental practice that allows for more efficient ceramic chairside restorations; and the compact VITA ADIVA LUTING SOLUTIONS cementation system. For the dental laboratory, VITA introduced its first full digital system, VITA VIONIC SOLUTIONS, which makes complete dentures practicable and economical, as well as VITAPAN EXCELL, a lifelike tooth made of VITA MRP composite, and the VITA VM LC flow veneering composite.

COLTENE

COLTENE is a global leader in the development, manufacture and sale of consumables and small equipment for dental treatment applications. At IDS, the Swiss specialist presented its Endo Highlight Kit, which combines its most important new products in a practical and compact set, including flexible HyFlex EDM NiTi files for preparation, the corresponding gutta-percha points and GuttaFlow bioseal for obturation. On contact with body fluids, the bioactive filling material generates hydroxyapatite crystals,

which can promote natural healing in the root canal and the regeneration of bone and dentine. The company highlighted its CAD/CAM block BRILLIANT Crios, which is compatible with Dentsply Sirona's CEREC system, and introduced its novel and smart BioSonic UC150 ultrasonic cleaner.

At IDS, Austria-based company Amann Girrbach highlighted its continuing success as a manufacturer of innovative CAD/CAM equipment and materials. Formed in 2004 through a merger of two companies, it has quickly become a pioneer in dental technology and launched a number of new products in just the last year. The Ceramill DNA Generation, for example, has revolutionised CAD/CAM processing through its unique carving mode, which reduces the time needed to mill materials such as glass-ceramics and hybrid ceramics. In addition to this, the Ceramill Mikro IC and Ceramill Motion 2 units have been equipped with a spindle designed for carving mode. Amann Girrbach announced that the recent growth in sales of its CAD/CAM equipment and consumables has led to the building of a second assembly site.

North American company Carestream Dental provides imaging, CAD/CAM, software and practice management solutions for dental professionals. At its IDS booth, Carestream showcased its comprehensive dental imaging and processing portfolio, including the CS 8100SC 3D, an advanced version of its proven CS 8100 platform, with which the company now offers specialised solutions in orthodontics. According to the company, an orthodontic module starts automatically after a fast scan and provides the practitioner with the optimal basis for precise treatment planning within only 90 seconds. Furthermore, the company introduced a new software module—the implant assistant—for prosthetic planning, which it referred to as the “future of digital restoration management”.



Planmeca (Photograph: Koelnmesse)



Coltene (Photograph: Koelnmesse)



Dental Tribune MEA / CAPPmea Team at IDS Cologne 2017



Dentsply Sirona (Photograph: Koelnmesse)



Ivoclar Vivadent (Photograph: Koelnmesse)

At IDS, UK-based global dental implant company Neoss showcased the Neoss PenguinRFA instrument for measuring implant stability. According to the company, the Penguin is easy and quick to use, offering a consistently reliable measurement of implant stability at an affordable price, finally enabling clinical use of resonance frequency analysis in daily practice. The system consists of a hand-held instrument and a reusable MultiPeg. It measures the resonance frequency of the MultiPeg, which corresponds to the stability of the implant, according to the Implant Stability Quotient scale.

During the event, FONA introduced ten new products, including the complete chairside CAD/CAM solution MyCrown that enables dentists to offer crowns, veneers, inlays, onlays and small-span bridges in only one visit. The company's latest state-of-the-art addition consists of an open-format intra-oral scanner, design software that guides the dentist step by step and a milling unit. Targeted at the general dentist, the system's functions are intended to cover 90 per cent of what the general practitioner does in daily practice, purposely excluding specialist functions, such as for implantology and orthodontics. The system is very intuitive, according to the company, allowing the dental assistant to work with it easily as well, and thus

enabling the dentist to focus on the most important parts of the procedure. By offering a top-notch system at a more affordable price, FONA aims to be the top choice for dentists wishing to enter into CAD/CAM. Also exhibited were the new Campeon and Durion treatment centres, Stellaris 3D sensor, Aquamarine diode laser, 3-D sensor with XPan 3D Plus, maintenance and lubrication device Enduro, and water purifier Purgenius. Visitors to the 12th CAD/CAM and Digital Dentistry Conference will be able to view and try out all of these IDS product highlights and more, many of which will be showcased for the first time in the Middle East.

The annual conference is organised by the Centre for Advanced Professional Practices (CAPP) and covers the current trends in digital dentistry. This year, it will be held on 5 and 6 May at the InterContinental Hotel, Dubai Festival City in the UAE. The pre- and post-event hands-on courses, worth 56 continuing education credits, will be offered from 1 to 8 May. CAPP is an ADA CERP-recognised provider of continuing dental education programmes. www.cappmea.com

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