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

By Dental Tribune MEA / CAPPmea

COLOGNE, Germany: Held terminally 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 Zahnschmelz, Colgate, Amann Girrbach, Carestream, NEOS 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 comprehensive-ly updated and opened, allowing export of data in STL format. At IDS, the company unveiled more than 50 new products, including the re-inventing glide path file WaveOne Gold Glider, the Outspeed Profile EV implant for extremely reduced bone volume, the 8-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 mate-
rials 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 mate-
rials and indications. In addition to the new portfolio, innovations such as the new cordless Bluephase Style 201 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 f scanners, including the Trios laboratory scanner, and its Xi scanner, which delivers CI, panoramic cephalometric and facial scan-
ing 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 moni-
tor so that there is no need to touch the keyboard or mouse when scan-
ing. Another TRIOS product on dis-
play was a more moderately priced model without colour scanning, the TRIOS 1 Mono. Also on show were highly durable titanium scan bodies available for all major implant sys-
tems and the TRIOS Design Studio for same-day dentistry.

PLANMECA

Global leader in dental manufactur-
ing Planmeca welcomed around 700 international distributors to its Dealer Event during IDS. In a visu-
ally impressive show, participants were introduced to the company’s latest inventions, with particular highlights being the next generation CI unit Planmeca Viao, which is capable of capturing images at a low radiation dose, Planmeca Emerald, a new intra-oral scanner that is small,
exceedingly lightweight and fast—the Flammence Biomix software suite, and the Flammence PlanMill 46 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, Flammence provides a full clinical digital workflow. Also at IDS, the family-owned business based in Finland premiered its DreamClinic Show, which includes all of the latest Flammence equipment and takes users through a case in which it is all applied.

**VITA**

VITA Zahndoktor, 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 system: VITA ENAMIC Multilour 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 A-DAV LUTING SOLUTIONS cementation system. For the dental laboratory, VITA introduced its first full digital system, VITA VIONIC SOLUTIONS, which makes complete dental restorations practicable and economical, as well as VITAFAN EXCELL, a lifetime tool set for VITA MPa compacts, 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 consists of its most important new products in a practical and compact set, including flexible HyFlex EEM NiTi files for preparation, the corresponding gutta-percha points and GuttaFlow biofilm 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 A-DAV CM block BrillANT, which is compatible with Dentsply Sirona’s TRIOS system, and introduced its novel and smart BioSilicon UCIyo 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 1960 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 revolutionized 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 Miko 3C 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 showed its comprehensive dental imaging and processing portfolio, including the CS i Rococ® 3D, an advanced version of its popular CS i Series. The CS i Rococ 3D was equipped with the company’s own OrthoScan tablet and its unique OrthoScan EVO software for precision 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.”

**Dentsply Sirona**

Dentsply Sirona presented its Endo Highlights Kit, which consists of the new Flows, the bioactive filling material, and the compact set. The kit includes new products such as the VITA VM LC flow veneering composite made of VITA MRP composite, and as VITAPAN EXCELL, a lifelike tooth system, VITA VIONIC SOLUTIONS, VITA introduced its first full digital system. For the dental laboratory, VITA introduced its CAD/CAM equipment and consumables has led to the building of a second assembly site.

**Planmeca**

Planmeca, a globally respected provider of dental imaging, CAD/CAM, software and practice management solutions, showcased its new line of software solutions for prosthetic planning, which it introduced through its OrthoScan tablet and its unique OrthoScan EVO software for precision 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.”

**Neoss**

At IDS, UK-based global dental implant company Neoss showcased the Neoss Penguin/NERSI instrument for measuring implant stability. According to the company, the Peri-gain System’s quick scan offers a consistently reliable measurement of implant stability at an affordable price, finally enabling the use of resonance frequency analysis in daily practice. The system consists of a hand-held instrument and a reusable MultiT谅解. It measures the resonance frequency of the MultiT谅解, which corresponds to the stability of the implant, according to the implant stability quotient scale.

**Imprint**

Group Editor

*Graeme SUNDBERG*

Email: g.sundberg@dental-tribune.com

Web: +49 341 48 474 631

Clinical Editor

*Magda WITKOWSKA*

Email: m.witowska@dental-tribune.com

Online Editor

*Social Media Manager*

*Claudia DUCHER*

Editors

*Graeme SUNDBERG*

*Vesna BOSCHAN*

*ASSOCIATE EDITOR*

*Nina HOFER*

Managing Editor & Head of Communication Services

*Marc CHAUFIK*

Managing Editors

*Dirk REICHMANN*

Copy Editors

*Hanno MOTTSTRAßEN*

*Vivien KRAAI*

Publishers/President/CEO

*Vanessa KOCH*

Chief Financial Officer

*Carsten MEYER*

Advertising/Disposition

*Martin RAUSE*

Dental Tribune International (Photograph: Koelnmesse)

Dentsply Sirona (Photograph: Koelnmesse)

VITA (Photograph: Koelnmesse)

Coltene (Photograph: Koelnmesse)

Planmeca (Photograph: Koelnmesse)

Dental Tribune MEA / CAPPmea Team at IDS Cologne 2017

Nokia Vivident (Photograph: Koelnmesse)

Locke Vivident (Photograph: Koelnmesse)