creating models and surgical guides

New 3-D printer expands possibilities

Planmeca recently expanded its portfolio with an entirely new kind of product. Named Planmeca Creo, the company’s brand new 3-D printer will allow dental laboratories and large clinics to perfect their craft and grow their business.

Planmeca Creo is a powerful 3-D printer for creating models and surgical guides from medically approved materials with true precision and efficiency. In the near future, the device will also support the creation of other dental objects of intricate detail, such as dental splints, temporary fillings, and orthodontic models.

“3-D printing is the way of the future, as it permits labs and larger clinics to expand their production capabilities and increase efficiency”, comments Jukka Kanerva, Vice President of Planmeca’s Dental care units and CAD/CAM division.

Planmeca Creo uses Digital Light Processing (DLP) technology to create objects out of UV curable resin. The 3-D printer has its own dedicated software, which is included as part of all deliveries.

“We feel that 3-D printing is set to take on a much more substantial role in dentistry—we can’t wait for our customers to see what Planmeca Creo is capable of”, Kanerva states.

The new Planmeca Creo 3-D printer is already available for orders, with deliveries expected to begin soon.

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chairside milling unit

Planmeca PlanMill 40 S—power meets precision

The latest addition to Planmeca’s product line is the Planmeca PlanMill 40 S milling unit for dental clinics. It is the most powerful unit for chairside milling the dental market has seen.

The Planmeca PlanMill 40 S milling unit has been designed for the chairside fabrication of metal-free dental restorations and appliances. It combines superior usability with accurate high-speed milling.

“Planmeca PlanMill 40 S will introduce a level of quality, precision and performance that has not yet been seen in the industry”, states Jukka Kanerva, Vice President of Planmeca’s Dental care units and CAD/CAM division.

With its state-of-the-art design, smart tool paths, expanded range of applications, automated tool changer for 10 tools, and intelligent maintenance features, Planmeca PlanMill 40 S is set to offer the most complete milling experience available today.

“The S in the product’s name stands for Smart – which is exactly what the unit brings to the table”, Kanerva illuminates.

The Planmeca PlanMill 40 S unit will replace its predecessor Planmeca PlanMill 40 in the company’s product line.

The new milling unit will also combine with the Planmeca PlanScan intraoral scanner and the Planmeca PlanCAD Easy design software in forming the Planmeca FIT chairside CAD/CAM system from now on.

Planmeca PlanMill 40 S is immediately available for orders everywhere except the North American Market. Deliveries are expected to begin in the final quarter of 2016.

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Superior aesthetic with CC Zr SMILE

Today, zirconia material is the preferred choice in dentistry due to its superior aesthetics and hardness. This is why INTERDENT d.o.o. produces CC Zr SMILE 98 mm diameter discs made of biocompatible pre-sintered ZrO₂. Its exceptional translucency and low hardness value enables highly aesthetic constructions in the anterior region. You can prepare fully anatomical single crowns and bridges up to 3 units or frameworks designed with the cut-back technique, which, together with layered ceramic, give the appearance of a natural tooth. A wide selection of colours A1, A2, A3, A3.5, B2, B3, C2 and D2 in sizes 14 and 18 mm with a diameter of 98 mm, enables you to produce prosthetic restorations that fulfill high aesthetic demands. CC Zr SMILE is compatible with all ceramic veneering materials for zirconium and can be coloured by dipping or brush techniques.

Exceptional solutions with CC DISK NF CoCr

CC DISK NF CoCr discs are based on Co-Cr free of nickel and beryllium. They can be used not only for making frameworks such as crowns and bridges, but also for implant-supported structures (Toronto bridge, hybrid superstructures), producing simple or complex bars, as the secondary part of the hybrid abutment, the primary part of the telescopic crowns, or as a preparation for combined work in attachment technology.

INTERDENT d.o.o. offers complete solutions in the field of CAD/CAM technology. In addition to the production of various types of 98 mm diameter discs (CoCr, Ti2, Ti5, Zr, Zr HT, Zr Smile, Zr Multicolour, Wax, PMMA, PMMA Transparent, PMMA Pink in PMMA X-ray opaque), the company also offers different types of milling units: CC CHIC, CC TRENDY, CC COSMO, CC COSMO STAR, CC COSMO+ and CC POWER. Close cooperation with companies Medit, Exocad and Sum3d also give excellent results and offer a complete, easy and open system, together with professional support.

INTERDENT d.o.o.
Opekarniška cesta 26, 3000 Celje, Slovenia
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With the Straumann CARES Intraoral Scanner you can quickly and easily acquire digital impression data that can be used to design and produce effective prosthetic solutions. You can save a considerable amount of time compared with conventional methods that require physical models to be fabricated and shipped. Digital impressions replace conventional tray impressions, which are unpleasant for the patient and treatment can begin much earlier.

**Ease of handling**

The Straumann CARES Intraoral Scanner’s allmetal handpiece closely resembles that of a standard dental turbine handpiece in size, light-weight, shape and feel. The familiar shape of the handpiece allows the dentist to focus on the patient rather than maneuvering larger unwieldy alternatives. Small in size—big in flexibility. This device is one of the smallest hand-held intraoral scanners available, designed for high performance and patient comfort. The light-weight metal handpiece resembles that of a standard dental turbine and the ergonomic shape is perfect to scan difficult to reach areas.

**Unsurpassed scanning access**

Multiscan Imaging 3-D scanning technology, packs the power of five miniaturized 3-D scanners into one of the smallest hand-held intraoral scanners available. Teeth and soft tissue are scanned from multiple orientations simultaneously, capturing areas which are normally difficult to visualize.

**Patient-focused design**

The Straumann CARES Intraoral Scanner replaces conventional tray impressions, which are unpleasant and time consuming for the patient, allowing you to discuss results and treatment options in real time with your patient which accelerates treatment.

**Real-time digital results**

A luminescent ring on the handpiece and audible signals indicate when scan data has been successfully captured. You can check data quality in real-time as the software calculates the 3-D model. And you can immediately send data to an external service provider.

**Wave goodbye to traditional touchscreen monitors**

The innovative gesture control technology allows touch-free manipulation of the screen imagery while the user is wearing sterile gloves.

**Simply scan and send**

Five high-speed, miniaturized 3-D scanners scan a single unit in as little as 20 seconds and a full arch in two minutes. The Open STL data format can be transmitted using our cloud-based Straumann CARES Connect solution.

The Straumann CARES Digital Solutions offering for dental labs connects carefully selected, best-in-class dental equipment (scanners, CARES Visual software, milling machines, high-temperature furnaces) with the latest digital technology and premium materials to provide a seamless, fully validated workflow for the state-of-the-art dental lab. You can be sure that our solution will:

1. enable you to offer a broader range of prosthetic solutions and services,
2. increase your lab’s productivity and efficiency and
3. let you enjoy the benefits of future-proof hardware and software!

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