New VCONCEPT by MIS delivers true innovation to implant dentistry

MIS Implants Technologies recently launched the new V3, a multi-use implant suitable for a wide range of surgical scenarios that is part of the company’s VCONCEPT. “MIS Implants is now a frontrunner of innovation in implant dentistry” — this was the powerful message delivered by MIS at the product launch at EuroPerio8 in London.

“The V3 is set to change the future by offering unprecedented biological advancements not previously known in the dental implants industry — specifically, the significant gain of bone- and soft-tissue volume where it matters most,” said Elad Ginat, Product Manager at MIS Implants Technologies.

He pointed out that this claim is supported by the placement of over 2,000 V3 implants in clinical cases performed and reported by some of implant dentistry’s most highly respected experts. The cases date back to 2012 and were treated in collaboration with numerous well-respected research institutes and universities around the world.

“The triangular coronal portion of the V3 is completely new in concept,” said Ginat. Its unique shape allows the formation of gaps between the sides of the implant and the osteotomy, creating open, compression-free zones that immediately fill with blood to form a stable blood clot and accelerating osseointegration for more rapid bone regeneration, he explained.

The triangular shape further allows secure anchorage at three points and provides doctors with more flexibility in positioning the implant, either facing the flat side buccally or towards an adjacent implant as needed, to gain more bone. It is important to note that a wider V3 implant can be used in clinical situations in which a traditional circular implant would require a smaller diameter.

“It’s all part of the innovative VCONCEPT, as a three-point universal approach to implant dentistry,” stated Ginat. The first point is the innovative V3 implant itself that comes with a single-use final drill for an exact osteotomy, shaped to provide optimal primary stability in all bone types. The triangular head of the implant reduces cortical bone compression without compromising crestal anchorage.

The second point is aesthetics. The extra bone volume affects soft-tissue volume, which is further enhanced by the tulip-shaped prosthetic components, realising sustainable and healthy results. With more bone and soft tissue to work with from the start, clinicians can attain much higher aesthetic outcomes and reduced healing times.

The third point is simplicity, part of the MIS “Make it Simple” philosophy. Doctors can enjoy all the impressive VCONCEPT benefits of greater bone- and soft-tissue volume without learning new protocols or procedures. In addition, a dedicated V3 surgical kit makes procedures simple, safe and accurate.

“The VCONCEPT is an innovation MIS is very proud of, especially since it directly benefits our customers. It helps dental professionals all over the world simplify procedures, improve success rates, reduce chair time and achieve better aesthetic results,” he concluded.
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The power of Planmeca FIT

The open Planmeca FIT system for chairside CAD/CAM provides dental clinics with a completely digital workflow. It seamlessly integrates intraoral scanning, 3-D designing and chairside milling into one system, allowing clinics to treat patients in a single appointment. Planmeca FIT offers all the necessary tools for designing perfectly fitting restorations within the first patient visit.

The Planmeca FIT system is comprised of three integrated steps—precise intraoral scanning, sophisticated 3-D designing, and efficient chairside milling. The powerful system combines all workflow phases under one software platform, enabling seamless access to all imaging and CAD/CAM work through the same interface.

The accurate Planmeca PlanScan intraoral scanner can be integrated with any digital Planmeca dental unit. It can be used just like any other instrument and easily shared between different users. The scanner is conveniently controlled from a wireless dental unit foot control, leaving the user’s hands free for scanning and patient treatment at all times. Live scanning data can be constantly accessed from a dental unit’s tablet device, while sound guidance further ensures optimal data capture.

The Planmeca PlanCAD Easy design software is ideal for a wide range of prosthetics planning. It provides the perfect tools for sophisticated 3-D designing at dental clinics, ensuring the precise placement of restorations. Completed designs can either be sent to a lab in an open STL file format, or manufactured on-site with the Planmeca PlanMill 40 milling unit. Packed with refined power, the unit produces restorations from a large selection of materials, exactly according to the design.

All steps of the Planmeca FIT workflow are easily controlled and accessed through the Planmeca Romexis software platform. The brains behind the Planmeca ecosystem, Planmeca Romexis assures that the Planmeca FIT system always runs seamlessly. In addition, the software provides remote real-time usage information on the Planmeca PlanMill 40 milling unit, allowing clinics to locate resources and monitor ongoing milling processes.

Planmeca FIT is a completely streamlined and integrated approach to high-quality dental care. It helps clinics utilise their resources to the fullest and treat more patients in a shorter period of time. Instead of two visits, patients can be treated in one hour—without requiring temporary crowns or physical dental models.

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Planmeca Oy
Asentajankatu 6
00880 Helsinki
Finland

www.planmeca.com
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Whitepeaks Dental Solutions GmbH & Co. KG
Langeheide 9
45239 Essen
Germany

info@white-peaks-dental.com
www.whitepeaks-dental.com