Planmeca

Successful digital implant workflow

Planmeca’s software-driven solution for implant dentistry provides a kind of freedom and flexibility that is hard to match. Users can efficiently manage their entire implant workflow with the Planmeca Romexis® software: from CBCT imaging to intraoral scanning and from implant planning to guide design. As it is a truly open software, it allows users to utilise data from Planmeca or other equipment. There are no hidden or extra fees for importing and exporting files.

Taking an implant plan to actual surgery is now easier than ever, as the software’s new Planmeca Romexis® Implant Guide module lets users design their own surgical implant guides. This elevates implant planning to another level, as virtual plans can accurately be brought to reality. Creating implant guides with the software requires few simple steps. Users can also flexibly select their preferred workflow, as completed guide designs can either be 3-D printed in-office or exported as STL files to a partner lab for 3-D printing.

MEDENCY

State-of-the-art diode laser technology

The Italian company MEDENCY has been built upon profound global expertise in the dental market and dental lasers in particular. “Our flagship product PRIMO combines state-of-the-art diode laser technology with innovation and the experience of MEDENCY in the dental industry. PRIMO provides a variety of applications and is thus a viable alternative to conventional surgical methods like electrocautery and the scalpel. Owing to its intuitive interface, the device is easy to use,” stated the company’s general manager, Alessandro Boschi.

All products are designed, engineered and manufactured in Italy—with passion and commitment. “Our overall mission is to deliver a combination of cutting-edge products, services and interaction with customers drawing on a wide network of academic partners,” said Boschi.

The company supports its partners with tailor-made educational courses in different countries in order to gain practical experience in the use of the system in daily practice. Using dental laser technology has never been so easy.

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Newly enhanced implant system

This past June, at the EuroPerio9 congress in Amsterdam, Netherlands, MIS launched the enhanced SEVEN implant system. Several key features have been added, that make the internal hex implant even better. Its biological stability and predictable aesthetics combined with the extensive R&D process which has led to these new improvements, have given the SEVEN a potential advantage in soft-tissue preservation and growth, as well as an array of restorative benefits. The combination of its unique features may provide the dentist with higher predictability, better aesthetic results and bone preservation.

The implant incorporates the platform-switching design concept. Implants with a platform-switched configuration have been shown to exhibit less bone loss when compared to non-platform-switched implants, which may lead to soft-tissue preservation and growth. The SEVEN’s root-shaped geometry and unique thread design enable excellent primary stability, allowing for a simpler and faster implant placement. With a new, comprehensive concept for enhanced aesthetics and better bone preservation in mind, and in order to support the advanced new implant features, an additional line of concave abutments has also been added.

The concave emergence profile was designed for a larger gingival volume, and along with its gold shading, offers a better aesthetic result.

MIS

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Zest Dental Solutions

Newly improved attachment system

The LOCATOR R-Tx removable attachment system is the fourth generation of award-winning patient-removable attachment systems from Zest Dental Solutions. The new abutment coating is 30 per cent harder with over 25 per cent greater wear resistance, and nearly 65 per cent reduction in surface roughness. The narrower coronal geometry of the abutment and the dual engagement of the retention inserts on the outside of the abutment allow patients to easily align and properly seat their overdenture, decreasing potential deformation of inserts, which could lead to premature wear.

The system utilises the standard 0.050 in/1.25 mm hex drive mechanism and treats up to 30° of angle correction using a single set of redesigned retention inserts with straightforward retention values: zero, low, medium, high. In addition, all of the necessary components for each individual case are shipped in one convenient vial. LOCATOR R-Tx is a better, simpler, stronger attachment system and comes with a 100% Satisfaction Guarantee to prove it!

Integration Diagnostics Sweden

Customer-oriented product design

Integration Diagnostics Sweden is rapidly growing by adding distributors to its global network, closely cooperating with most major implant companies and constantly adding more implant systems to its MulTipeg assortment. PenguinRFA is now available in more than 60 countries by 28 distributors, whereof 7 are industrial partners; thus covering more than 70 implant systems with MulTipegs. MulTipegs are made from durable, tissue-friendly titanium and have sealed magnets, which makes it possible to autoclave them at least 20 times. They are also laser marked with type numbers to avoid mix-ups or using the wrong MulTipeg. The PenguinRFA concept is affordable, uncomplicated and with the reusable MulTipegs just what clinicians are asking for. The instrument is handheld and very user friendly, which makes the learning curve very short, fulfilling the customers’ demands. Strong business partners add to the market success.

In addition, the RFA technique has become even more accurate by creating an ISQ standard calibration system, which means minimised variance between different MulTipegs. Due to the reference system, physical misfit between components can be detected and eliminated. In the future, Integration Diagnostics Sweden will continue to expand its distributor network globally and intensify the research around implant diagnostics.

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Nouvag

Introducing motor management 2.0

Nouvag’s latest development in the field of implantology is the motor system MD 11 which is now available in version 2.0. The company has newly implemented the function of thread cutting and made the device handling even easier than it already was. During its development, much attention has been given to a quiet, low-vibration motor running, which is the feature most likely perceived by patient and surgeon alike. The insertion of the tubing set is done with very little effort due to the great visibility of the mounting bracket and easy to reach notches in the bracket.

To make the set of the MD 11 complete, Nouvag offers all required contra angles such as the 1:1, 16:1, 20:1, 32:1 and a 70:1. The 20:1 contra angle, also available with LED spotlight, covers the largest field of the implantologist’s tasks, owing to the sophisticated motor control of the MD 11, which provides sufficient torque from the lowest possible speed of 15 rpm to the highest speed of 1,700 rpm.

With the new 20:1 mini E-type contra angle, in conjunction with the new electronic motor having a shorter handpiece carrier, the resting point lies between the surgeon’s thumb and index finger allowing for better balance and force delivery to the drill.

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Straumann

PURE Ceramic Implant System

Nothing is more winning than a light-hearted and happy smile. With the PURE Ceramic Implant System even very demanding patients can smile with confidence according to the principle “Discover natural PURE white. Love your smile.”

With this implant system, dentists can grant their patients the best aesthetic, natural and solid treatment. Patients will benefit from all the highly aesthetic advantages of a natural ceramic implant—ivory-coloured like a natural tooth root and even in cases of thin gingiva biotypes not shining through. No compromises on aesthetics, reliability or the most natural choice of material are necessary. Further they can rely on high-performance zirconia ceramic material being even stronger than the gold standard, grade 4 titanium implants.

The Straumann® PURE Ceramic Implant System is the result of more than 12 years of relentless research and development until the ceramic implants complied with the company’s premium quality standards. Swiss quality and precision, strength, clinical success and flexible treatment protocols are combined in an innovative solution that helps dentists meet the needs of their patients. Find out more at: pure.straumann.com.

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Fotona

Making implantology treatments more effective

Fotona’s LightWalker dental laser is an ideal tool for hard- and soft-tissue treatments, including applications in implantology. LightWalker’s Er:YAG and Nd:YAG wavelengths are highly effective for the removal of granulation tissue, the disinfection of the surgical area after extraction, as well as for the preparation of the implant bed to achieve longer stability. The beneficial uses of its high-precision Er:YAG laser for bone ablation are further complimented by using its Nd:YAG laser for efficient deep disinfection and bio-modulation.

Uncovering the implant during the second stage of implant placement is more patient friendly with Er:YAG laser treatments. Favourable formation of new bone has been observed on Er:YAG and Nd:YAG laser-treated peri-implant areas. In laser-treated patients, greater bone-to-implant integration was observed compared to curette-treated patients.

In addition, with peri-implantitis treatments, laser light has been shown to provide better access to all parts of the implant surface when compared to manual curettes or ultrasonic tips.

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ClaroNav

State-of-the-art navigation for every day

By using the CBCT image as a kind of map, ClaroNav’s Navident guides clinicians much like a GPS guides drivers, offering them an easy-to-use, accurate, highly portable and affordable method for the planning of desired restorations and implant placements. With Navident 2.0, the clinician will no longer be required to do a special extra scan. Instead, he or she will be able to use the diagnostic scan already available for the patient. The step of making a stent is not part of the workflow as it is no longer required, saving clinicians valuable time. The usual working steps including stent, scan, plan and place have thus changed to scan, trace and place—known as Trace and Place which is a game-changing development for dynamic navigation. With Trace and Place, the Navident 2.0 workflow is efficient and user-friendly and can be seamlessly integrated into daily clinical practice.

“Trace and Place is a real tipping point for dynamic navigation guidance,” said user Dr George Mandelaris, a periodontist from Chicago, USA. “It has streamlined and simplified the workflow in both the diagnostic and surgical phases to allow state-of-the-art technology to be an everyday component of my surgical implant practice. I can’t imagine going back!”

Clinicians are encouraged to make use of the opportunity to learn from masters and interact with peers at ClaroNav’s EAO booth (S21) in Vienna, Austria.

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