

bredent
group

bredent medical

Highest primary stability—now with conical-parallel connection

The new copaSKY implant line from bredent is particularly distinguished by the stable and retrievable conical-parallel-walled interface, which enables easy removal of the prosthetics. The unique neck design and short implant–abutment connection also allows ultrashort implants. Due to the deposition of bone chips on the backtaper, a subcrestal implant position can also be selected. copaSKY uses the same surgical tray as all other SKY implants. And the enhanced prosthetic offering one connection that fits all diameters of implants, simplifying storage and reducing inventory. The material of choice is BioHPP, which provides a natural chewing sensation and built-in shock absorber effect to

protect implants. Also new is the form-fit connection for bolted bridge components. The high accuracy of fit directs the lateral load directly onto the abutment, i.e. the risk of screw loosening and fractures is greatly reduced. The integrated angled screw channel provides excellent aesthetic results when transversally threaded.

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TIZIO Hybrid Implants

Implants made of titanium or ceramic?

Neither dental practitioners, nor patients need to be confronted any longer to this either-or-question. Thanks to the innovative glass soldering technique, it will henceforth be possible to create

a firmly bonded compound between titanium and dental ceramic in order to merge the benefits of both materials. The titanium core inside the hybrid implant gives the usual safety and stability, as well as high prosthetic flexibility and ultimately the required treatment quality. The outer ceramic shell coated with a glass matrix ensures an optimal tissue compatibility, improved aesthetics furthermore less plaque accumulation and thus a lower risk of peri-implantitis. Simultaneously, we constantly aim for innovative solutions in order to give both, patients as well as dental practitioners, the highest possible therapeutic safety and quality. For this purpose, we perform research and development on innovative materials with people from various disciplines, being driven by our guiding principle: TIZIO—The best bonding between man and technology.



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Straumann

Flapless periodontal regeneration

This year marks the 25th anniversary of Straumann® Emdogain®. The revolutionary technology induces true regeneration, improves wound healing and increases the periodontal procedure predictability. But innovation within the Emdogain® portfolio is only continuing. Thanks to the launch of Emdogain® FL, true periodontal regeneration^{1,2} is now possible in a minimally invasive way. Cleaned pockets of between 5–9 mm* deep can now be treated without a surgical flap. This is possible thanks to Straumann® Emdogain®'s healing properties and a new applicator that is as thin as a periodontal probe. Emdogain® FL helps clinicians treat up to 42% more pockets from the initial phase of periodontal therapy³, which reduces the need for follow-up treatments, including surgery. Emdogain® FL contains Straumann®'s unique enamel matrix protein formulation, which is backed up by over 1,000 studies⁴ and 25 years of clinical experience. Try Straumann® Emdogain® FL and differentiate your dental office with flapless periodontal regenerative therapy.

* Without furcations or recession involvement. A thorough subgingival cleaning is the key to success.

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MIS

New 16 mm drill kit for conical connection implant procedures

As part of the company's continuing effort to offer comprehensive solutions for guided surgery procedures in all clinical scenarios, this spring, MIS released their new MGUIDE kit for 16 mm conical connection drills used in implant placement procedures. The new kit has already been implemented in MSOFT, the MIS software used for guided procedure planning, and is offered through an automatic update. This new offering extends the existing solution for this range of implant lengths that were not previously available. The kit includes all drills for a complete procedure, as well as the addition of a marking drill which is intended for extraction sites. Orit Kario, MIS Digital Solutions Product Manager, highlights the marking drill, explaining that "it was designed for this specific kit and enables drilling within sockets, providing an added value in immediate placement procedures within extraction sites. The drill's design allows to drill in through the socket wall. In addition, the same kit may be used for both standard and narrow sleeve drills.

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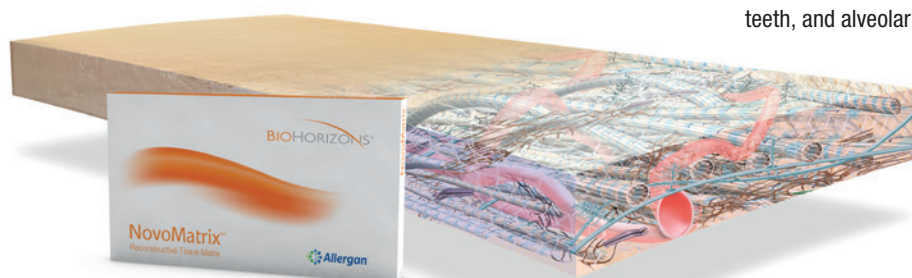
BioHorizons Camlog

The next generation soft-tissue augmentation material

When choosing a biomaterial, there is a strong demand in clinical practice for predictable outcomes. For over 20 years, LifeCell, a leading global medical technology company, has developed innovative products for use in a wide range of applications. BioHorizons Camlog expands its soft-tissue portfolio to bring NovoMatrix, an innovative soft-tissue augmentation material. NovoMatrix is an acellular extracellular dermal matrix consisting of tissue-engineered porcine material. It is a breakthrough in xenogeneic processing

ensuring a structurally intact, undamaged scaffold that supports cell and microvascular ingrowth. The proprietary tissue processing allows for rapid revascularisation, cell repopulation and minimal inflammation. NovoMatrix comes pre-hydrated and ready to use and offers a true alternative to autogenous soft-tissue grafts and current products on the market. The NovoMatrix indications include guided tissue regeneration procedures in recession defects for root coverage, localised gingival augmentation to increase keratinised tissue (KT) around implants and natural teeth, and alveolar ridge reconstruction for prosthetic treatment.

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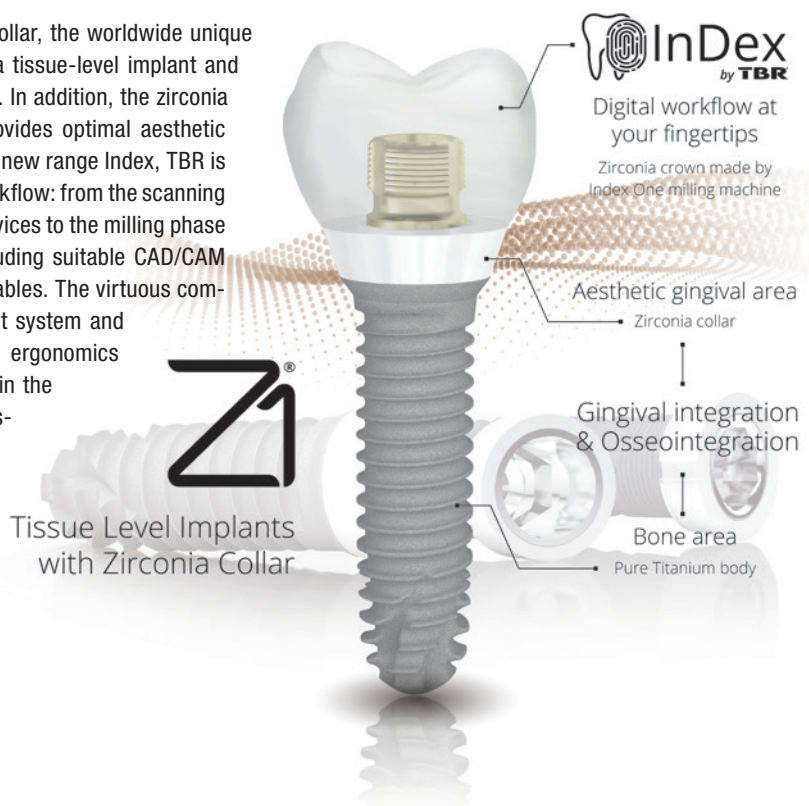


TBR Dental

Tissue-level implant and digital workflow

Combining a titanium body and a zirconia collar, the worldwide unique Z1® implant offers many advantages. It is a tissue-level implant and thus only one surgical procedure is required. In addition, the zirconia collar promotes soft-tissue healing and provides optimal aesthetic results for the patient. With the launch of its new range Index, TBR is now offering clinicians a complete digital workflow: from the scanning phase with intra-oral scanners and CBCT devices to the milling phase with machines adapted to your needs, including suitable CAD/CAM software, associated materials and consumables. The virtuous combination of implantology with the Z1 implant system and the Index digital workflow ensures optimal ergonomics and shorter chair times, which is essential in the daily dental practice. Combine superior aesthetics and digital design with Z1 implants and TBR CAD/CAM Index dental solutions today!

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PreXion

Special autumn deal for CBCT system

The Japanese CBCT specialist PreXion enters the second half of this year with a special autumn offer for customers based in Germany, Austria and Switzerland. The special price for the PreXion3D EXPLORER includes the CBCT system, installation, instruction, five-year warranty, and a computer running the PreXion Viewer Software. Additionally, customers can opt for the attractive package including the pre-installed SICAT Suite and receive a special discount (66 per cent on the subscription price). With a focal point of 0,3mm and a voxel size of just 74 µm, the PreXion3D EXPLORER brings an extraordinary combination of great image detail and low radiation exposure to dental practices and clinics.

Another highlight is the integrated cephalometric "One-Shot" mode, which allows the work in limited spaces. Interested ones are warmly invited to live demonstrations of the PreXion3D EXPLORER at the PreXion showroom in Rüsselsheim in Germany. Appointments can be made online at www.prexion.eu, via e-mail at info@prexion-eu.de or by phone under +49 6142 407855.

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Dentsply Sirona Implants

Versatility with the Astra Tech Implant System EV



Dentsply Sirona Implants continues to deliver innovation, versatility and clinical benefits in implant dentistry, based on the needs of customers and centred around well-documented and clinically proven implant systems. With the latest product development, the Astra Tech Implant System—one of the most well-documented implant systems in the market today, documented in over 1,000 publications in peer-reviewed journals—just got even better: Astra Tech Implant EV has a revised implant design change that comes with significant advantages—with a deeper implant thread design apically, it is easier to reach preferred primary stability and the handling experience is enhanced for easy installation. With this new change in design properties also comes the new name—Astra Tech Implant EV. Dentsply Sirona Implants continually strives to increase the application of implant therapy, based on science and without compromising safety and efficacy.

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Bicon

More than just an alternative to sinus lift and augmentation

The plateau design, which has been clinically proven for 35 years, and the self-locking tapered implant–abutment connection are the most important success factors of the popular Bicon SHORT Implant™ system. While screw implants can cause bone loss under unfavourable conditions, experts associate the so-called “plateau anchors” with possible bone gain. The plateau design, which offers at least 30 per cent more bone surface than comparable screw implants, makes all the difference. Studies indicate that the unique Bicon design favours the formation of mature lamellar Haversian bone. In addition, the biomechanical advantages of the plateaus optimise lateral force distribution, which supports bone preservation. The self-locking, bacteria-proof connection and the integrated platform-switching additionally promote the long-term success of the system in terms of function and aesthetics. With implant lengths of 5, 6, 8, and 11 mm, Bicon serves the entire range of indications in daily implant dentistry.



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Fotona

Peri-implantitis treatment with TwinLight

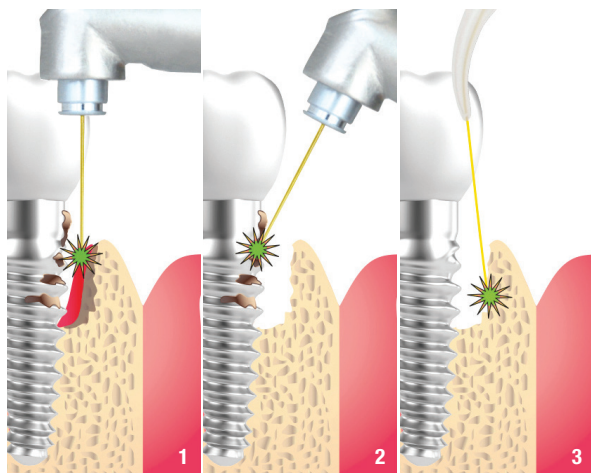


Fig. 1: Removal of the soft-granulation tissue and ablation of the infected bone with Er:YAG. **Fig. 2:** Removal of the bacterial biofilm on the implant surfaces with Er:YAG. **Fig. 3:** Bacterial reduction and biostimulation of the bone tissue with Nd:YAG.

Fotona's dual-wavelength LightWalker dental laser system is the ideal tool for effective minimally-invasive treatment of peri-implantitis. The system's TwinLight (Er:YAG and Nd:YAG) treatment option successfully addresses infection control, detoxification of implant surfaces, regeneration of lost tissues, and plaque-control regimens with no mechanical or chemical trauma, no danger of thermal damage to the surrounding bone and no significant alterations of the implant surface. First, the Er:YAG laser is used to remove microbial composition on the implant and to treat the damaged alveolar bone around the implant. Following Er:YAG treatment, the Nd:YAG laser wavelength is used for bacterial reduction and biostimulation. Inflammation, swelling, and bleeding of soft-tissue lesions, can be handled without surgery, and healthy peri-implant tissue assures greater long-term implant success.

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