

Dentsply Sirona

Introducing DS OmniTaper Implant System— the newest member of the EV Implant Family

The DS OmniTaper Implant System is an innovative solution that combines the proven technologies of Dentsply Sirona’s EV Implant Family with new features that deliver efficiency and versatility. Unique to the implant system is an intuitive drilling protocol for reduced chair time and a pre-mounted TempBase for immediate restorations and efficient workflows.

The DS OmniTaper Implant System is the newest member of the EV Implant Family, alongside Astra Tech Implant System and DS PrimeTaper Implant System. The EV Implant Family offers surgical flexibility to cover virtually every indication. All three implant systems deliver biologically driven implant designs for natural aesthetics and lasting bone care, have one connection for restorative clarity, and are optimised for a seamless fit with digital dentistry workflows.

Like the rest of the EV Implant Family, the DS OmniTaper Implant System features the OsseoSpeed implant surface and the conical EV connection that provides access to the harmonised and comprehensive EV prosthetic portfolio for restorative flexibility and immediate chairside solutions.

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Fotona

Advancing dental laser technology

Fotona’s LightWalker is a revolutionary dental laser system, incorporating state-of-the-art technologies that redefine the industry. With 20 W of power, 2 wavelengths, 5 pulse durations, and 4 special pulse modalities, LightWalker offers dentists an unparalleled range of clinical applications.

The precision and improved ablation efficacy of LightWalker’s patented QSP mode make it invaluable for hard tissue treatments, debonding veneers, orthodontic brackets, dental aesthetics, and surgery, addressing various challenges with a single solution.

Practitioners are thrilled by the efficacy of the LightWalker’s SWEEPS mode in endodontic cases, witnessing the power of bubbles in cleaning narrow root canal spaces, removing smear layer, debris, and biofilm. Moreover, SWEEPS extends its benefits beyond direct laser therapy, enabling non-invasive, non-surgical removal of biofilm and calculus in periodontal and peri-implant therapy.

The laser’s innovative SMOOTH mode expands the horizons of dental practices, allowing them to offer Fotona’s cutting-edge aesthetic and anti-snoring laser therapies. With treatments like SmoothEye®, LightWalker 3D®, LipLase®, and NightLase®, dental practices can attract new patients, fulfilling patient expectations with a wide range of non-invasive options that can enhance revenue and profitability.

Embrace the future of dental laser technology with Fotona’s LightWalker, empowering dentists with unparalleled versatility for enhanced patient care.

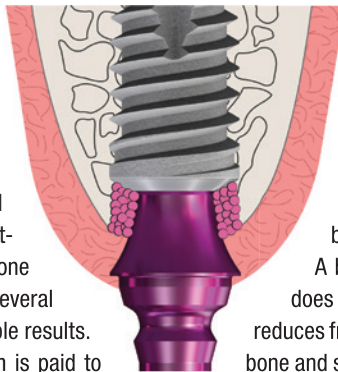
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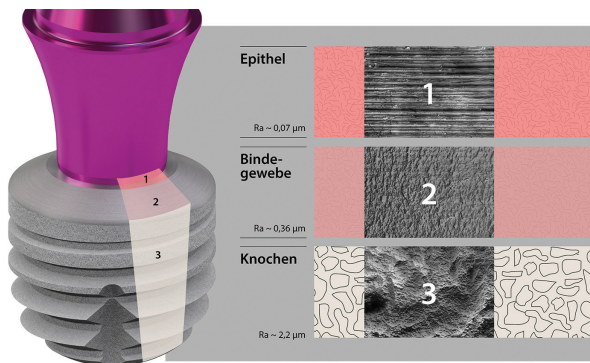
Improved osseointegration thanks to the bone growth concept

The design of implants plays a crucial role in implant treatment, as it can contribute to optimal osseointegration. That's why bredent has equipped its implants with a backtaper that provides more space for bone and soft tissue to attach. Implant design helps to minimise risks and maximise chances of success in implant treatment. Especially at the passage point from bone to soft tissue, a functioning interplay of several factors is required to achieve long-term stable results. When designing bredent implants, attention is paid to ensuring that they meet the requirements for optimal healing in the jaw according to the bone growth concept. Therefore, most of bredent's implants have a backtaper: this crestal slope provides more space for bone and soft tissue to attach.



The backtaper is an advancement of the platform switch concept. With the platform switch, soft tissue is given more space to attach to the surface by reducing the abutment diameter in relation to the implant diameter. However, different results were obtained in clinical studies on the effectiveness of the platform switch, as the design can lead to cortical bone stresses and thus bone resorption processes.

A backtaper, such as those found in bredent implants, does not affect the mechanical stability of the implant body, reduces friction with cortical bone, and provides more space for bone and soft tissue to attach. Bone growth on the backtaper of bredent's copaSKY implants was confirmed in a recent clinical multicenter study.¹ The effect is supported by a microstructure of the surface in this area, as found in copaSKY implants, which is ideal for attaching connective tissue as well as bone.



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¹ Ghirlanda, G.; Kazak, Z.; Vasina, M.; Neugebauer, J. (2022). 3 years follow up of ultrashort implants with back-taper design placed at different crestal position: EAO Poster 2022.
 Neugebauer, J.; Kistler, S.; Frank, I.K.; Kistler, F.; Dhom, G. (2022) Krestale Knochen-neubildung durch ein Konzept des mikrostrukturierten Backtapers: BDIZ EDI konkret 04/2022, 54–57.
 Taheri, M.; Akbari, S.; Shamshiri, A.R.; Shayesteh, Y.S. (2020). Marginal bone loss around bone-level and tissue-level implants: A systematic review and meta-analysis. Annals of Anatomy – Anatomischer Anzeiger, 231, 151525.

Straumann

Straumann® Emdogain® and Labrida BioClean™— a strong team to master regeneration and maintenance

Similar to a natural tooth, plaque-forming bacteria can build up on the base of dental implants, resulting in an inflammation of the surrounding soft and hard tissue. Improving dental and periodontal health conditions is a worldwide need and our mission and ambition. Labrida BioClean™ is a medical device designed for effective cleaning of osseointegrated dental implants and/or teeth with pocket depths ≥ 4 mm. Removal of plaque-forming bacteria from the infected dental implant/tooth surface is the first step in biofilm management. Straumann® Emdogain®/Straumann® Emdogain® FL is a unique gel containing enamel matrix derivatives. This mixture of natural proteins forms a matrix that stimulates certain cells involved in the healing process of soft and hard tissues. Adding Straumann®

Emdogain®/Straumann® Emdogain® FL to cleaned tooth or implant surfaces can improve the clinical outcome of the procedure.

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