

## Shaping the future of aesthetic and functional dentistry

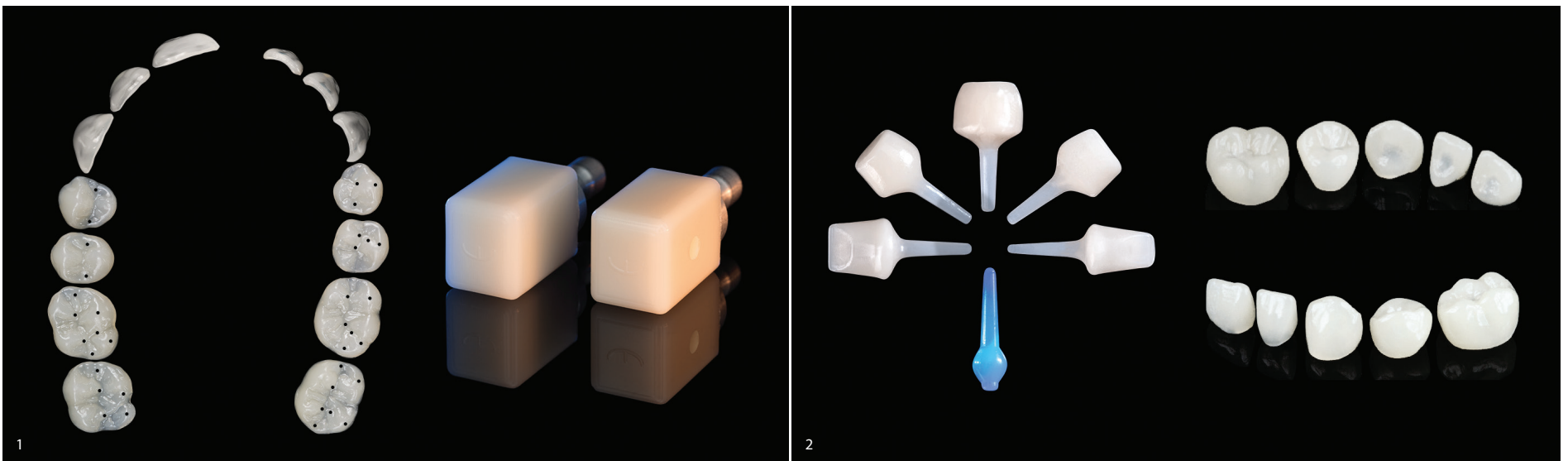


Fig. 1: VENEER and OCCLUSIONVD shells (left) and CAD/CAM BLOCKS. Fig. 2: POST & CORE system (left) and PEDIATRIC CROWNS.

The dental think-tank edelweiss dentistry is known to have pioneered the only biomechanical direct veneering system that has overcome the disadvantages of the organic fillers which are commonly used in composite veneers. Using a unique laser-sintered concept, this technology has dramatically reduced the natural shortfalls of conventional composites and has, thereby, enhanced aesthetics and function.

The product range includes ultrathin anterior and occlusal enamel shells, the edelweiss POST & CORE system for post-endodontic needs and the edelweiss PEDIATRIC CROWNS, which are inorganic hybrid glass crowns instead of conventional metal or zirconia crowns. This enables safe and easy treatment, creating healthy smiles for children. The latest additions to the product range are the edelweiss CAD/CAM BLOCKS (T- and C-BLOCKS) and i-BLOCKS (implant blocks).

The philosophy of edelweiss dentistry is simple: making dental treatments easy and affordable for patients and dentists alike while following ethical aspects of modern treatment achieved by respecting the principles of biocompatibility and bio-aesthetics. This makes minimally invasive treatment possible. Restorations are carried out while considering and preserving the healthy tooth structure. Function and aesthetics are reconstructed—with highly filled hybrid glass material very similar to the tooth substance—following an adhesive additive technique.

The edelweiss DIRECT SYSTEM is a state-of-the-art system for modern and minimally invasive aesthetic dentistry. Never before has it been possible to create the natural shape and youthful luminance of a tooth so easily and perfectly in only one appointment. Its versatile area of application, in combination with the time- and

cost-saving procedure involved, makes the edelweiss DIRECT SYSTEM a sound investment in the future with the best interests of the patient at heart.

The translucent edelweiss VENEER and OCCLUSIONVD (“VD” indicates vertical dimension) shells as well as the edelweiss PEDIATRIC CROWNS represent the anatomical basis for individual or complete dental reconstructions. After splint therapy, OCCLUSIONVD can be individualised and used adhesively as no-preparation overlays to solve functional problems.

The edelweiss POST & CORE system achieves a biomechanical monobloc from root to crown. The posts are conically shaped for better adaptation. The translucency of the fibre-free post, supported by an integrated lens design, allows uninterrupted light transmission for complete polymerisation. The already

built-up core design follows the tooth anatomy.

The edelweiss PEDIATRIC CROWNS are made of laser-sintered barium glass, with zinc oxide and fluoride rendering them both antibacterial and plaque resistant. Unlike conventional paediatric crowns, edelweiss PEDIATRIC CROWNS have the same flexural modulus as natural teeth, hence the antagonist teeth will not be damaged. The prefabricated, bio-aesthetic morphology allows for quick and safe treatment.

The edelweiss CAD/CAM BLOCK is the first hybrid glass material in the world with a tri-network structure, combining pure glass, aluminium oxide and resin technology in one block. The dominant ultrafine glass network structure is strengthened by aluminium oxide and the resin component, which integrates the glassy network, provides a high degree of elasticity.

This hybrid glass also guarantees high load capacity after adhesive bonding, as well as facilitating thinner wall preparations for minimally invasive restorations. It also impresses with its outstanding reliability, as well as precision fit, edge stability and corresponding accuracy in milling results. It is kinder to the milling burs and does not require any additional firing or sintering—it can simply be polished and cemented.

Dental professionals can achieve the maximum aesthetic results—that are also minimally invasive—in just one appointment. No matter what the dental situation is, edelweiss has the right restoration for it.

The company invites dental professionals to try its products at a live hands-on station at the edelweiss dentistry booth D040/E041 in Hall 11.3.

More information about the edelweiss product portfolio can be found at [www.edelweissdentistry.com](http://www.edelweissdentistry.com). ◀

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## Chairside restoration plus with orangedental

At IDS 2023, orangedental is presenting its open chairside workflow for professional practice laboratories. Under the slogan “Chairside Restoration plus”, visitors can experience the company's alternatives to existing systems for the wet or dry processing of blocks and discs. Simply put, with intra-oral scanning using the FUSSEN scanner, design with exocad ChairsideCAD and production with dental milling machines from the EVO deskMill series, dental professionals can create more than just mill crowns or inlays.

Also on show at IDS will be the company's innovations in the field of radiography. Among these is the Green2, a first-class professional entry-level CBCT unit with a field of view of up to 10 × 8 cm. The well-known PaX-idental panoramic tomogram machine has found a successor in the PaX-i Plus, which features a new design. The EzRay AIR W2 is a new intra-oral radiography device



EVO deskMill.

that supports Bluetooth transmission of the acquisition parameters. The digital functional analysis that is offered by the newly developed digital Freecorder Nxt and its interface with the exocad JawMotion Import module enable dental professionals to create tailor-made products that account for dynamic occlusion.

More information can be found at [www.orangedental.de](http://www.orangedental.de). Visit the company's booth (#L020/N029) in Hall 1.2 during IDS. ◀



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