

Zirkonzahn®

Human Zirconium Technology

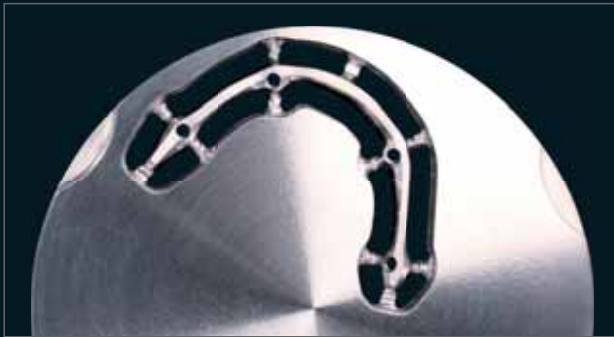


100% PRETTAU® ZIRCONIA – MADE BY CAD/CAM

“Perfection through perseverance” Enrico Steger

RESTORATION MADE FROM PRETTAU® ZIRCONIA ON TITANIUM BARS WITH TECNO MED FRICTION COPING

Implant-supported dental restorations can be designed to be fixed or removable. Both variants have advantages and disadvantages. The determining factor for this decision is usually the patient's needs. The complete maxillary and mandibular restoration made from Prettau® zirconia described in this case combines both solutions. While the upper jaw restoration with a titanium bar with friction coping was designed to be removable, the screw-retained lower jaw restoration with a bonded titanium bar was designed to be fixed. The CAD/CAM-supported manufacturing process was very similar for both restorations: initially, the models were digitized with the S900 ARTI scanner for a virtual wax-up. Based on the wax-ups, the titanium bars were designed, milled in the M4 Wet Heavy Metal milling unit and then made parallel and polished. For the realisation of the friction coping as a secondary structure in the maxilla, the digitized maxillary titanium bar and the maxillary wax-up were used as a reference base. The friction coping, made from long-lasting high-performance Tecno Med resin, allows easy cleaning of the removable restoration. Maxillary and mandibular Prettau® bridges have been set up in the software and then milled. The characterization of the Prettau® zirconia structures with Colour Liquid Prettau® Aquarell, ICE Zirkon Ceramics and ICE Zirkon 3D Stains by Enrico Steger gave the restorations individual esthetics. Finally, the resin coping and the titanium bar in the mandibula, which had previously been anodized golden, were bonded with the Prettau® bridges.



SMART SOLUTIONS

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WEA05767

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