

Zirkonzahn[®]

Human Zirconium Technology

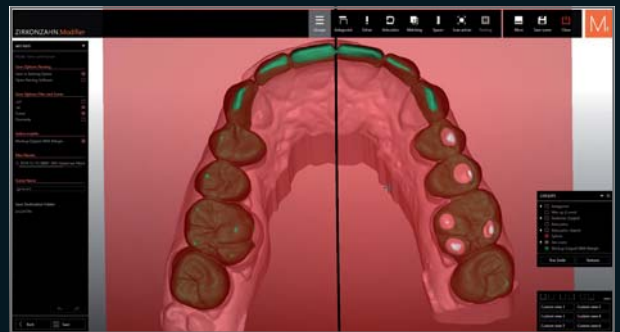
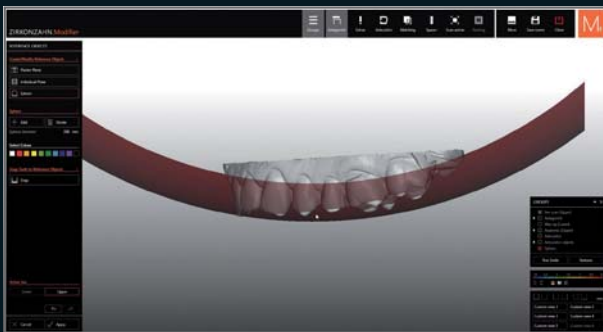


PRETTAU[®] SKIN[®]

THE ZIRKONZAHN CULTURE

ULTRA-THIN PRETTAU® SKIN® VENEERS IN PRETTAU® 3 DISPERSIVE® ZIRCONIA

- Initial situation:* Young patient suffering from caries, missing restoration of teeth 46–47 and different composite fillings
- Planned restoration:* Minimally invasive preparation of tooth enamel and restoration with Prettau® Skin® veneers; sandwich technique on tooth 23
- Workflow:*
- Digital tooth set-up in the Zirkonzahn.Modifier software using the DEMI tooth set from the Heroes Collection virtual library; tooth individualisation
 - Design and milling of a digital block-out model for the upper and lower mock-ups in Temp Premium Flexible
 - Based on the patient-specific model articulation and the selection of a digital Monsons Sphere with Ø240 mm, the areas to be prepared in the occlusal region were highlighted and a preparation guide for the upper jaw was created
 - Placement of a retraction cord, minimally invasive preparation of teeth and final intraoral scan with Detection Eye by the dentist
 - Production of Prettau® Skin® veneers in Prettau® 3 Dispersive® zirconia with a minimum thickness of 0.2 mm
 - Sintering and characterisation with the ICE Stains 3D by Enrico Steger
 - Adhesive cementation of the final restorations; manufacture of a transparent splint to protect the zirconia restorations
 - During follow-up by the practitioner, phonetics and aesthetics were rechecked, confirming the success of the treatment



MINIMALLY INVASIVE TREATMENTS FOR HIGHEST PATIENT SATISFACTION

*Dr. Francisco García Torres – Mexico
Zirkonzahn Education Center Brunico – South Tyrol, Italy*

Prettau® Skin® with sandwich technique: after determining the centric relationship, it turned out that, due to the new occlusal height, the canine 23 needed a palatal support surface to optimise function. Therefore, a vestibular and a palatal veneer were designed to avoid too invasive preparation of the natural tooth. During cementation, the vestibular veneer was applied first, and then the palatal one.





NEW! PRETTAU® 3 DISPERSIVE®

- The material is provided with colour, translucency and flexural strength gradients already during the manufacturing process
- **Gradual-Triplex-Technology:** triple gradient with natural colouring as well as increasing flexural strength and translucency values
- For reduced or monolithic single crowns, inlays, onlays, veneers and bar-supported multi-unit bridges (especially suitable for monolithic design)
- No ceramic chipping (thanks to monolithic design), and no abrasion of the antagonist
- Restorations can be characterised individually for each patient with Colour Liquids Prettau® Aquarell Intensive, ICE Ceramics, Fresco Ceramics and ICE Stains 3D by Enrico Steger



HUMAN ZIRCONIUM TECHNOLOGY

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NEW! 1 ORBIT – 4 DIAMETERS (95, 98, 106 AND 125 mm)

FOR THE M2 MILLING UNIT COMFORT LINE, THE M4 WET HEAVY METAL MILLING UNIT AND THE NEW M6 TELESKOPER BLANK CHANGER MILLING UNIT



VIDEO
M2 MILLING
UNIT COMFORT
LINE



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