

**Zirkonzahn®**

*Human Zirconium Technology*



**PRETTAU® 3 DISPERSIVE®**

*The Zirkonzahn Culture*

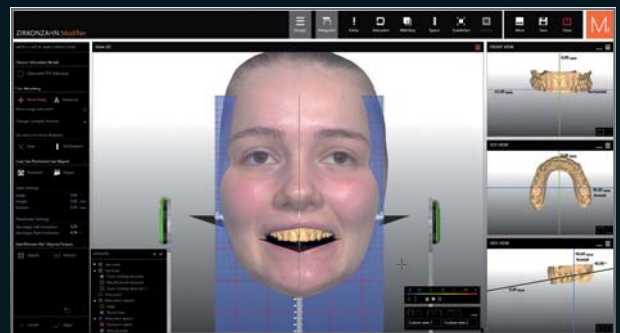
## COMPLETE RESTORATION MADE OF PRETTAU® 3 DISPERSIVE® ZIRCONIA

*Initial situation:*

*A young patient with enamel defects and discolouration of resin fillings*

*Workflow:*

- *Digital articulation with the PlaneFinder® in the Zirkonzahn.Modifier software*
- *Virtual tooth set-up using the AIDA tooth set from the Heroes Collection virtual library; tooth individualisation*
- *Design and milling of upper and lower mock-ups in Multistratum® Flexible resin and try-in in the patient's mouth*
- *Minimally invasive preparation of the natural teeth by the dentist*
- *Fabrication of a temporary restoration in Prime resin for final occlusion testing and aesthetics assessment; the temporary was worn until insertion of the final restorations*
- *Design and fabrication of the 28 individual crowns in Exmon Basic X-Ray for immediate fitting control using X-rays*
- *In Zirkonzahn.Modellier, design of the minimally reduced single crowns and subsequent milling using Prettau® 3 Dispersive® zirconia*
- *Characterisation with ICE Stains 3D by Enrico Steger, minimal veneering with Fresco Ceramics and cementation in the patient's mouth*
- *Digital bite elevation with real movement data generated with the PlaneAnalyser II*
- *Design and manufacture of a transparent splint made of Therapon Transpa to protect the final zirconia restorations; control on a dynamic, 3D-printed antagonist model (the model including all patient jaw movements)*



*Dynamic, 3D-printed antagonist model*



# 100% SATISFACTION THANKS TO A DENTAL TEAM- AND PATIENT-ORIENTED TREATMENT

*Dr. Johanna Hoppe – Düsseldorf, Germany*

*DT Alexander Lichtmannegger – Zirkonzahn Education Center Brunico, South Tyrol, Italy*

*Phonetics and aesthetics were rechecked again during follow-up with the practitioner three months after the placement of the zirconia restorations: the success of the treatment in terms of function was confirmed. The complete restoration met all patient expectations and helped her to gain self-confidence. The new smile gave the patient back the joy of laughter.*

VIDEO DIGITAL CREATION  
OF THE BITE SPLINT WITH  
REAL MOVEMENT DATA





## 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), no abrasion of the antagonist
- 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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