

Zirkonzahn[®]

Human Zirconium Technology



PRETTAU[®] 3 DISPERSIVE[®]

The Zirkonzahn Culture



SINGLE MONOLITHIC TEETH MADE OF PRETTAU® 3 DISPERSIVE® ZIRCONIA

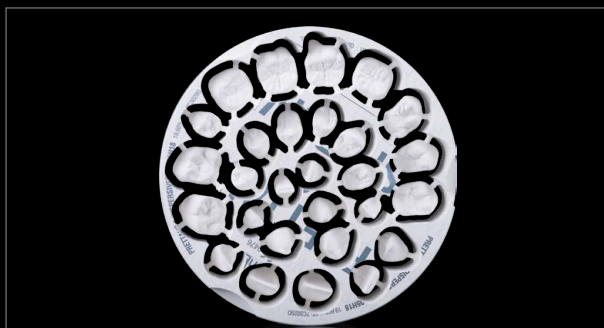
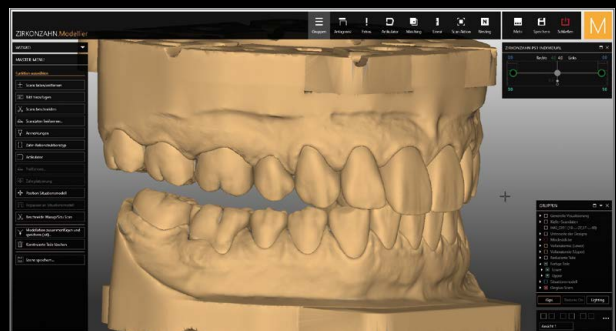
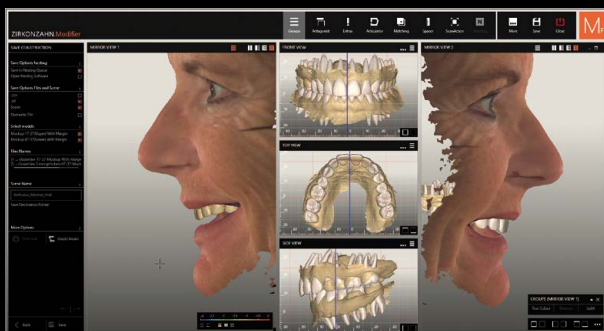
PART 2: THE FINAL RESTORATION

Initial situation: patient with abraded teeth, caused by parafunction.

The technician designed 28 final single crowns in the Zirkonzahn.Modellier software on the base of the tooth set-up carried out in the Zirkonzahn.Modifier and milled them out of Prettau® 3 Dispersive® zirconia using the M6 Teleskoper Blank Changer milling unit. After the speed-sintering in the Zirkonofen Turbo, the crowns were checked on the model, which was printed with the P4000 system for 3D printing.

Once the restoration fit was approved, the single crowns were characterised using the ICE Stains 3D by Enrico Steger, glazed with glazing material, and fired in a single step thanks to the All-In-One Technique. The single crowns were then minimally layered with Fresco Enamel Fluo in the vestibular tooth area and fired once again to lightly individualise the tooth form and achieve a natural-looking surface structure.

The final zirconia crowns are handed over to the dentist and inserted in the patient's mouth. A functional and phonetic check confirmed the treatment's success.



100% MONOLITHIC ONLY MINIMAL AESTHETIC LAYERING

Dr. med. dent. Manrique Fonseca – Bern, Switzerland

Dr. med. dent. Pedro Molinero Mourelle – Bern, Switzerland

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





NEW! PRETTAU® 3 DISPERSIVE®

- The material is already provided with colour, translucency and flexural strength gradients 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, ICE Stains Prettau® and ICE Stains 3D by Enrico Steger



HUMAN ZIRCONIUM TECHNOLOGY

Zirkonzahn Worldwide – Tel +39 0474 066 680 – info@zirkonzahn.com – www.zirkonzahn.com

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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