

Zirkonzahn[®]

Human Zirconium Technology



PRETTAU[®] 3 DISPERSIVE[®]

The Zirkonzahn Culture

SINGLE CROWNS MADE OF PRETTAU® 3 DISPERSIVE® ZIRCONIA

Initial situation: 55-year-old patient with impaired natural dentition

Patient request: Long-term functional and aesthetic restoration and replacement of missing teeth

Workflow:

- 3D virtual reproduction of the patient's extra-oral anatomy using the Face Hunter 3D facial scanner
- Digital articulation with the PlaneFinder® in the Zirkonzahn.Scan software
- Design of a mock-up for the upper and lower jaws in the Zirkonzahn.Modifier software and subsequent milling in the high-performance Multistratum® Flexible resin. The two mock-ups were produced for functional and aesthetic controls in the patient's mouth and to give the patient a first impression of the future aesthetics, increasing further his motivation for the treatment
- Design and manufacture of temporaries made of Multistratum® Flexible
- Planning of implant positions based on the mock-ups and printing of the surgical guide for implant placement. After healing time, production of an implant provisional for conditioning the gingiva
- Design of the final crowns in Zirkonzahn.Modellier and milling out of a Prettau® 3 Dispersive® zirconia blank using the M2 Teleskoper milling unit. Subsequent characterisation with ICE Stains 3D by Enrico Steger and minimal veneering with Fresco Ceramics
- Gold-coloured anodising of the titanium bases using the Titanium spectral-colouring Anodizer
- Insertion of the zirconia restorations in the patient's mouth by the dentist and fabrication of a protective splint made of Therapon Transpa resin



100 % FUNCTION AND AESTHETICS, MINIMAL AESTHETIC LAYERING

*Dr. med. dent. Daniela Zeller – Bern, Switzerland
MDT Alexander Bassermann – Bern, Switzerland*

*Parallel Titanium Base
HEX for Straumann®
Tissue Level SynOcta® RN*





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, 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



WEAB2700EN=