

**Zirkonzahn<sup>®</sup>**

*Human Zirconium Technology*

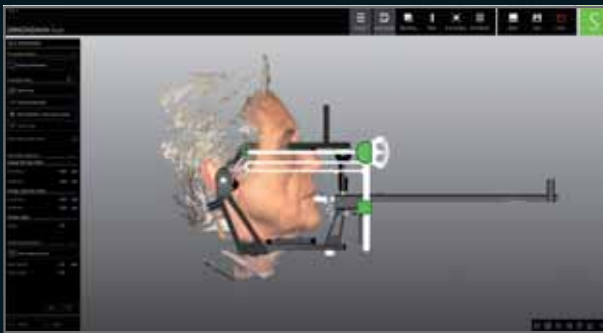


**PRETTAU<sup>®</sup> 2**

*The Zirkonzahn Culture*

## SCREW-RETAINED COMPLETE REHABILITATION IN PRETTAU® 2 ON ANODISED TITANIUM BASES

- Initial situation:* Elderly female patient; partial edentulism; remaining dentition deteriorating (11–22 and 45–35)
- Patient data:* 2D images, 3D reproduction of patient physiognomy and oral situation (Face Hunter and PlaneSystem®), condylar movement analysis (Plane Analyser), verified implant models
- Planned restoration:* Guided implant surgery for optimal implant position, permitting uniform distribution of masticatory forces to support two opposing zirconia arches screwed onto titanium bases
- Realisation:*
- Tooth extraction, guided implant insertion and immediate loading in one surgical phase;
  - Complete digitisation of patient situation in the immediate prototype with Face Hunter, PlaneSystem® and PlaneAnalyser;
  - Data assembly, design and mill of second prototype in Multistratum® Flexible;
  - Intraoral scan of functionalised prototype (4–6 months later) to use as basis for the final restoration in Prettau® 2 zirconia;
  - Mill zirconia restoration in the M2 Wet Heavy Metal milling unit;
  - Manual vestibular cutback of non-functional areas (canine to canine) and gingiva aspect;
  - Manual color infiltration with Color Liquids; characterisation with ICE Stains 3D and ICE Ceramics;
  - Cementation of titanium bases; check adjustments in the articulator; in-situ placement.



# 100% DIGITAL DESIGN, LAYERED ONLY IN NON-FUNCTIONAL AREAS

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*The two prototypes in Multistratum® Flexible exceeded patient expectations in terms of function and aesthetic. For the final zirconia arches, the patient requested a copy of the prototypes with only slight aesthetic enhancements.*



*Final restoration in Prettau® 2 zirconia designed according to functionalised prototypes.*

## NEW! PRETTAU® 2

- Particularly highly translucent zirconia with an excellent flexural strength
- No limitations! Especially suitable for full arch restorations (full anatomical or reduced for ceramic veneering), but also for single crowns, inlays, onlays, veneers, bars and multi-unit bridges
- No ceramic chipping (thanks to the fully anatomical design), no abrasion of the antagonist
- Can be characterised individually for each patient with Colour Liquids Prettau® 2 Aquarell, ICE Ceramics and ICE Stains 3D by Enrico Steger
- Available also pre-coloured with a natural colour gradient (Prettau® 2 Dispersive®)



## HUMAN ZIRCONIUM TECHNOLOGY

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### NEW! M2 MILLING UNIT COMFORT LINE

Now with the Teleskoper Orbit for material blanks with Ø 95, 98, 106 and 125 mm as well as for glass-ceramic or titanium abutments; high-precision repositioning in µm range



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