

**Zirkonzahn®**

*Human Zirconium Technology*



## **BARTPLATTE**

*The Zirkonzahn Culture*

## PRODUCTION OF AN AESTHETIC RESTORATION DESPITE PALATAL-INCLINED IMPLANTS

*The patient presented himself with complete maxillary edentulism and six implants already placed in the upper jaw. The virtual tooth set-up in the Zirkonzahn.Modellier software revealed palatal-inclined implants, which would complicate the design of an aesthetically pleasing bar-supported rehabilitation. To strike a balance between function, stability and aesthetics in the final restoration, the Bartplatte, a design-specific bar, was produced to screw the structure in place. The planned restoration consisted of a titanium bar with a secondary framework made of Prime resin, which ensures, thanks to its improved material properties, optimal translucency values, high flexural strength and abrasion resistance.*

*The design of the primary structure incorporated an innovative CAD/CAM workflow. Through the advanced function of the Bars module, the bar was geometrically adapted to the palatal surface of the wax-up and individualised by means of the free-forming function. Further bar retentions were then generated with the Attachment module and the bar was milled in the M2 Dual Teleskoper milling unit. The digitisation of the bar provided the basis for the design of the secondary structure, which was layered with composites and then bonded to the bar.*



# 100 % FUNCTIONALITY – THANKS TO INTELLIGENT SOLUTIONS

*DT Bart Ziengs – Zirkonzahn Education Center Brunico, South Tyrol, Italy*





## PRIME & MULTISTRATUM® PRIME

- Resins with improved processing qualities, with fracture- and abrasion-resistance
- Ideal for the manufacture of long-term temporaries in the anterior and posterior tooth area (from single crowns to full-arch bridges)
- The gingival area can be characterised with composites
- Available also in dentine colours
- Multistratum® Prime: the resin is already characterised by a natural colour gradient during the manufacturing process, providing the teeth with beautiful aesthetics without further characterisation



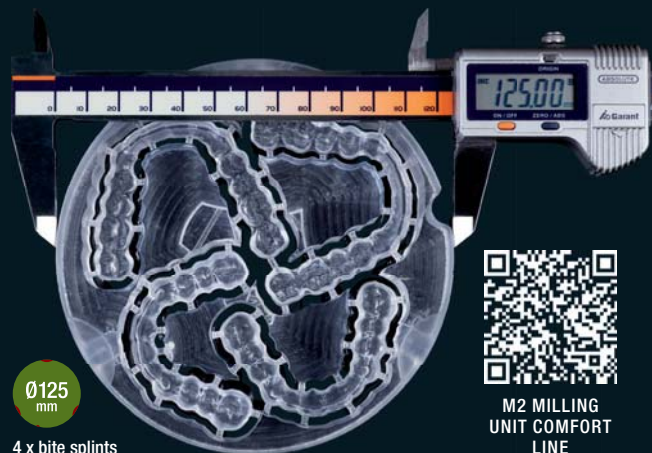
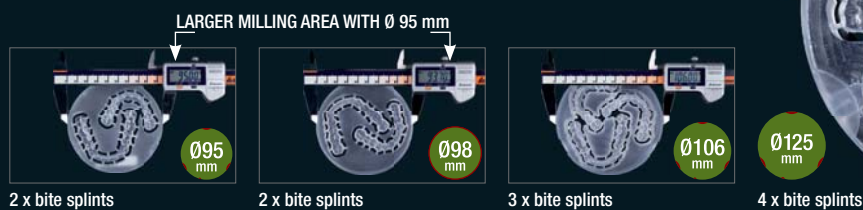
## HUMAN ZIRCONIUM TECHNOLOGY

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