

Zirkonzahn[®]

Human Zirconium Technology



100% PRETTAU ZIRKON

The Prettau Bridge

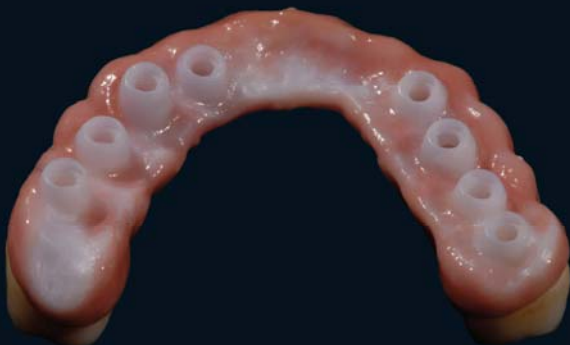
Implant-borne prostheses are exposed to much higher occlusal loads than conventional bridges due to the lack of periodontal load receptors. This may lead to occlusal veneer porcelain chipping. The so-called Prettau-Bridge provides a new way dealing with such situations. In the process of making a bridge of this kind a full set-up is produced first. This is tried in situ and checked for aesthetic appearance and function. Following, the set-up is copied in zirconia with our manual milling system. We use the extra-translucent Prettau zirconia for such cases. The final restoration is made from 100% zirconia. Only the 'soft-tissue' flange is veneered with pink porcelains of various shades. Full zirconia bridges display tremendous flexural strength which guarantees absolute solidity provided all manufacturing parameters (i.e. adequate connector dimensions and slow cool cycles) are adhered to.



The Prettau Bridge

Luca Nelli, Italy

Reservations about surface hardness causing abrasion of the opposing natural dentition are unfounded and concerns can be discarded according to latest findings. It is proven fact that actual veneer porcelain has much higher abrasion than unveneered zirconia.

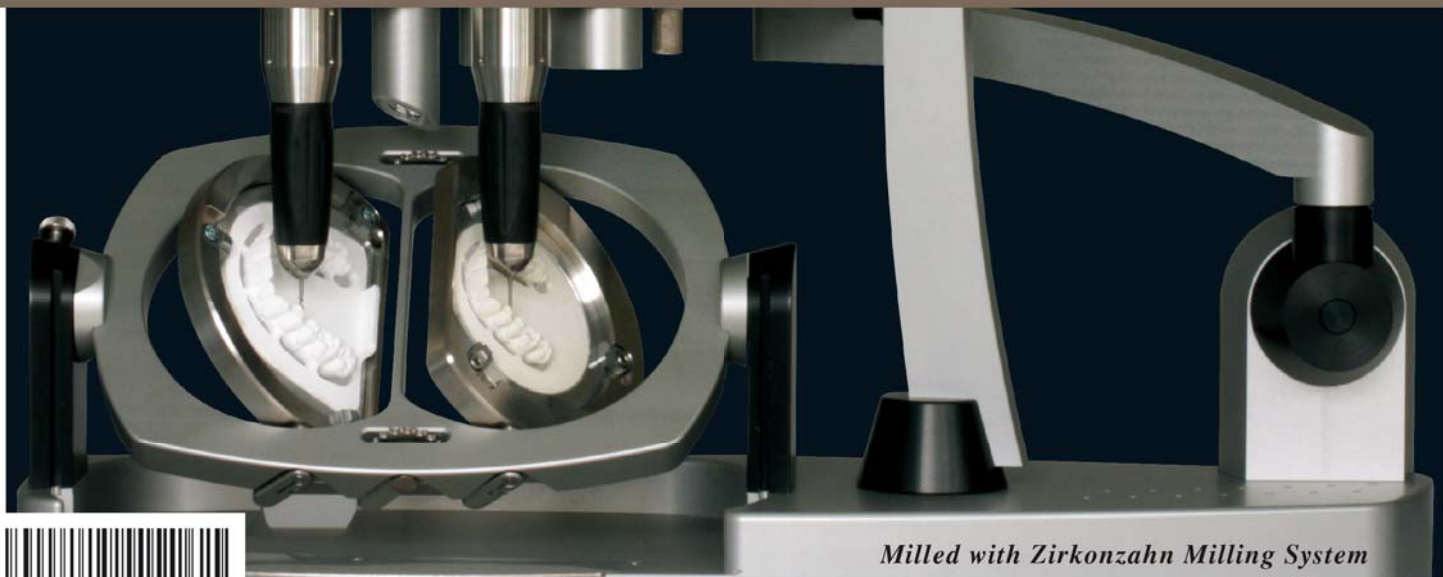


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ZIRKONZAHN World Wide - Tel +39 0474 066 680 - info@zirkonzahn.com - www.zirkonzahn.com



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Milled with Zirkonzahn Milling System