

Zeramex XT

## The aesthetic implant

Zirconia, the dental material of the future, the two-piece design of the implant, the unique implant–abutment connection, the conventional and digital workflow, the outstanding clinical results and the know-how from 17 years of research and development are the pillars of success of the Swiss ceramic implant system Zeramex XT.

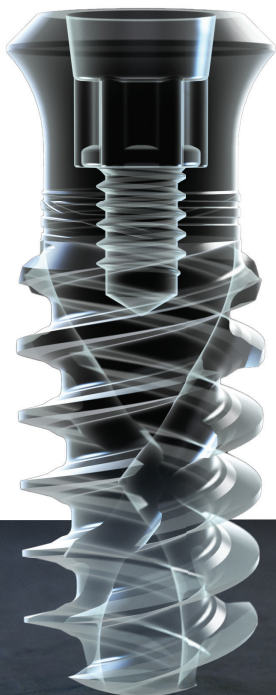
The heart of the implant–abutment connection is the VICARBO® screw made of carbon reinforced high-performance PEEK. The principle: the implant made of zirconium dioxide absorbs the compressive forces, while the VICARBO screw counteracts tensile and bending forces. The design of the external thread ensures high primary stability and the microrough and hydrophilic Zerafil® surface demonstrates convincing osseointegration with a success rate of 98 per cent.

Studies show decisive advantages of zirconium dioxide over other materials: it has lower plaque accumulation, lower bacterial adhesion as well as reduced thickness of the accumulated biofilm. It also contributes to better blood circulation in the peri-implant soft tissue which results in healthier gingiva and improved aesthetics.

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Straumann

## Iconic Tissue Level meets immediacy

Straumann® has built on and perfected its well established Straumann® TL system, to take the science of tissue-level implants to the next level.

The Straumann® TLX system combines a neck design mimicking the natural anatomy and respecting the biological distance in all dimensions with Straumann's latest innovative endosteal design, optimised for primary stability.

The Straumann® TLX System combines is designed to significantly reduce the risk of inflammation and bone resorption as the implant–abutment interface is moved away from the bone. It is developed for optimal primary stability and immediate protocols in all bone types and lets you increase efficiency with a one-stage, straightforward workflow. Furthermore, it forms the perfect complement to the Straumann® BLX system for bone-level implants. Both systems use one common drill set and TorcFit™ connection for maximum compatibility with minimum investment.

**Institut Straumann AG, Switzerland**

**www.straumann.com**



**breident medical**

## The choice is yours

The first generation whiteSKY implant system has proven itself clinically and scientifically since its introduction in 2006. It is also one of the best documented zirconia implant systems.

Clinical and scientific examinations were carried out from the very beginning and histologic examinations confirmed the good osseointegration of the implants. These results were also confirmed clinically. The long-term survival rate is on par with titanium implants. The bone level is stable in the long-term and the red-white aesthetics is superb. The second generation whiteSKY retains the proven success factors and introduces improvements requested by the customers. Prof. Andrea Borronovo et al. evaluated the ten-year success rate of 26 one-piece whiteSKY zirconia implants of the first generation. The success rate was 100 per cent with an average marginal bone loss (MBL) of less than 1 mm, an average periodontal probing depth (PPD) of 3 mm with no bleeding on probing (BOP). In a few cases, there was a slight bone gain less than 1 mm. Compared with titanium implants, the whiteSKY zirconia implant achieves similar or even better long-term results.

The one-piece whiteSKY Alveo Line gives you the possibility to fill the alveolus during immediate implant placement and individualise the implant depending on the requirements of the clinical case. In this case you can handle the implant like a natural tooth during impression taking and prosthetic restoration.

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### Zircon Medical Management

## Superior osseointegration, unmatched long-term stability

Together with leading scientists and highly experienced material experts, Zircon Medical Management, the manufacturer of the Patent™ Dental Implant System, has succeeded in mastering the complex process of manufacturing zirconia implants—employing a process that has been protected by 14 patents. Only through this proprietary process, in which all surface-machining steps are carried out prior to sintering, a surface roughness is achieved (Ra 5,7 µm) that is up to five times higher than other documented zirconia implant surfaces. As a result, the Patent™ Implant achieves unparalleled osseointegration success, as impressively demonstrated in a new study by Drs Roland Glauser and Peter Schüp-

bach, who found bone-to-implant contact (BIC) of over 70 per cent for Patent™ Implants after only four weeks to healing. In the subsequent sintering stage, potential process-related microcracks are eliminated. Moreover, the design and prosthetic concept of the Patent™ Implant were purposefully engineered to complement the material characteristics of zirconia. The result is a true soft-tissue-level zirconia implant that is rare in terms of osseointegration success, fracture resistance, and long-term stability.

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