

Zircon Medical | Patent™

## The only two-piece zirconia implant with long-term studies

Minimum risk of fracture and predictable osseointegration—the Patent™ Dental Implant System has solved the challenges of conventional zirconia implants. Only its patented production process creates the surface roughness needed for fast and predictable osseointegration. In the last step of this revolutionary manufacturing method, process-induced micro-cracks are eliminated, maximising the Patent™ implant's overall strength and hardness. That the Patent™ approach works is substantiated by scientific research: In a preclinical study, Patent™ implants achieved bone–implant contact (BIC) of over 70% after just four weeks of healing, outperforming all other dental implants investigated in similar studies. An independent long-term study over nine years found no implant fractures for any of the two-piece Patent™ implants investigated, as well as healthy and aesthetic soft

tissue, stable marginal bone levels and no peri-implantitis. Patent™ proves that long-term implant success is a reality. Learn more at [www.mypatent.com](http://www.mypatent.com).

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**Switzerland**  
**+41 44 5528454**  
**[www.mypatent.com](http://www.mypatent.com)**



bredent medical

## High primary stability and aesthetic appearance

The whiteSKY implant system from bredent is among the best-documented zirconia implant systems worldwide. It has not only demonstrated excellent osseointegration and longevity in numerous studies but has also proven its efficacy in practice. In fact, the longevity of whiteSKY implants is comparable to that of titanium implants. The whiteSKY implant system offers two different implant types: the whiteSKY Tissue Line and the whiteSKY Alveo Line. The narrow whiteSKY Tissue Line implant provides sufficient space for both the hard and soft tissue and ensures an aesthetically pleasing appearance with its slightly tapered shape in the sulcus area, transitioning from the gingiva to the implant crown. The whiteSKY Alveo Line, on the other hand, is ideal for immediate loading as it fills the extraction socket. At the same time, it provides the treating doctor with the possibility to individualise the implant according to the specific requirements of the clinical case.

### Optimal conditions for soft-tissue attachment and high mechanical stability

Both the Alveo and Tissue Line implants of the whiteSKY system offer optimal conditions for soft-tissue attachment due to their specially designed sulcus surface. The whiteSKY implants are made of hardened zirconia and are one-piece, which gives them particularly high mechanical stability. Thanks to the improved thread design and bone-quality-oriented surgical protocol, the whiteSKY implants achieve high primary stability, making them ideal for immediate loading. Studies have shown that immediate implant placement can improve the bone–implant contact by more than 50 per cent.

**bredent medical GmbH & Co. KG, Germany**  
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## WITAR

### Ideal solution for all indications

AWI ceramic implants from WITAR offer superior aesthetics, stability, accuracy and healthy osseointegration. A sophisticated design combined with modern materials make for an ideal solution for all bone classes and indications. Made of zirconium dioxide, AWI dental implants are metal-free and thus fully biocompatible. The cemented zirconia abutment allows an individual design. The transgingival shoulder has an ideal surface for interacting with soft tissue for any type of indication. The conical micro-thread allows great primary stability and axial loading. Studies have shown that the thread

roughness of 1.7 µm leads to optimal osseointegration. Also, the surface is coated with a bioactive BIOVERIT I nano-coating. This surface-thread combination enables superior osseointegration for all bone classes. The self-tapping implant tip provides space for bone chips and low-compression insertion. AWI ceramic implants are now available in gingiva colour too, which leads to even better aesthetics and optimised risk areas.

**WITAR Consulting GmbH, Germany**  
**[www.witar.de](http://www.witar.de)**

## Z-SYSTEMS

### Breakthrough technology in dental implantology

Z-SYSTEMS ceramic implants, a pioneer and leading innovator in dental implant technology, proudly announces the official relaunch of its highly anticipated bone level and tissue level 100% ceramic, screw-retained conical connection implants. Leveraging over 15 years of research, development, and clinical expertise, Z-SYSTEMS has revolutionised the field of implant dentistry with this groundbreaking solution. Designed to provide unparalleled aesthetics, durability, and biocompatibility, Z-SYSTEMS' bone level and tissue level ceramic implants offer a transformative alternative to traditional metal implants. These state-of-the-art implants combine the advantages of zirconia ceramics with an innovative two-piece conical connection, resulting in outstanding stability and long-term success rates.



- Enhanced biocompatibility: Z-SYSTEMS' zirconia implants biocompatible material with excellent tissue acceptance, ensuring healthy osseointegration and long-term success of the implant.
- Outstanding durability: Zirconia's exceptional strength and fracture resistance make Z-SYSTEMS' implants as durable as it and suitable for a wide range of clinical cases.

#### Key features and benefits of Z-SYSTEMS bone level and tissue level ceramic implants include:

- Two-piece, screw-retained conical connection: This design ensures a micro-gap-free fit and eliminates the risk of a pump effect, delivering optimal long-term performance.
- Superior aesthetics: The tooth-coloured zirconia material closely resembles natural teeth, creating seamless and lifelike restorations.

To celebrate the relaunch, Z-SYSTEMS will be hosting live surgical training sessions and other educational courses for dental professionals worldwide through the end of this year and throughout 2024. The comprehensive training programme will equip practitioners with the necessary knowledge and skills to integrate Z-SYSTEMS' ceramic implants into their practice successfully. Z-SYSTEMS will kick off the series of live surgical training courses hosted in Chicago, Los Angeles, New York City and abroad, with their first training session in November 2024. Interested participants can e-mail [sales@zsystems.com](mailto:sales@zsystems.com) for details.

**Z-SYSTEMS AG**  
**Switzerland**  
**[www.zsystems.com](http://www.zsystems.com)**



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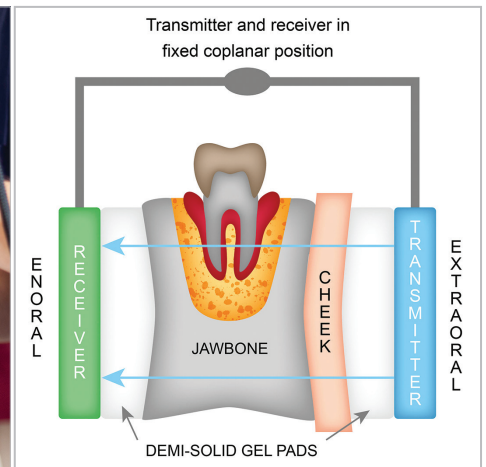


## CaviTAU

# Unknown cause of chronic diseases discovered!

Why do more and more people suffer from chronic diseases? Is the cause due to an undiagnosed disease? Is a "silent inflammation of the jaw bone" possibly responsible? Many questions, one modern answer: the digital quality determination of bone density through ultrasound sonography-diagnosis. In this way, the dentist localises chronic and pathogenic inflammatory patterns, cleanses them in "Jawbone detox steps" and thus turns from a dentist into a systemic-immunologically oriented and integrative oral medicine specialist.

With the newest version of the english book *Cavitation osteonecrosis in jawbone* by Dr Johann Lechner, you will be guided in over 390 pages, with 120 illustrations and over 200 literature citations through all the science behind ultrasound sonography-diagnosis. The book can be ordered online at the website [www.icosim.de](http://www.icosim.de).



CaviTAU® application with LED gel pad and schematic representation of transalveolar sonography.

## CaviTAU

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## Dentalpoint

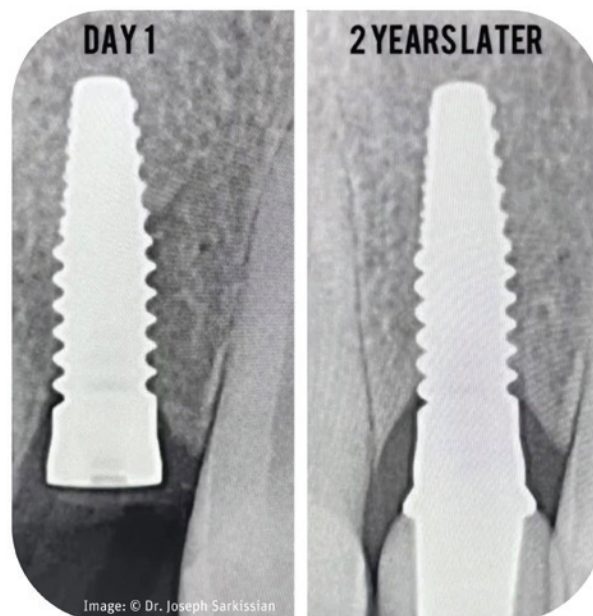
# Zeramex XT—Two years follow-up proves success of the two-piece system

Zirconia, the dental material of the future, the two-piece design of the implant, the unique carbon fiber reinforced implant–abutment connection, the conventional and digital workflow as well as the outstanding clinical results 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 re-inforced 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%.

“...Astounding bone structure after remodel revealing hard cortical bone with absolutely no bone loss from around the implant (Zeramex XT 3.5 mm placed in the anterior region) ... The gum response was amazing...,” points out Dr. Joseph Sarkissian who has been using Zeramex XT for several years.

Studies confirm that two-piece zirconia implants show a similar bone integration compared to the titanium implants or demonstrate a significantly reduced inflammation and bone loss compared to the titanium implants.



**Dentalpoint AG, Switzerland**  
[www.zeramex.com](http://www.zeramex.com)

## ZiBone

# ZiBone zirconia medical device: revolutionising dental implants for straight smiles

With our state-of-the-art products, we aim to equip dentists with the tools they need to create beautiful, natural-looking smiles for their patients. We will delve into the key features and benefits of our products, and how they can enhance your practice and patient outcomes.

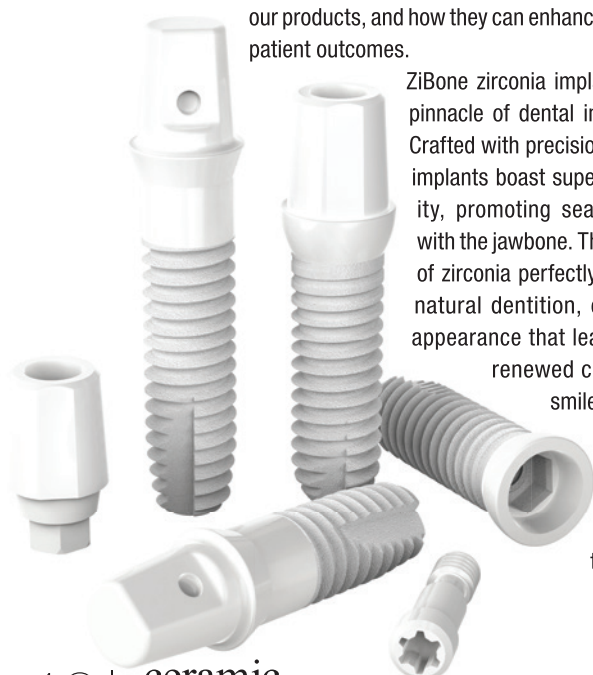
ZiBone zirconia implants represent the pinnacle of dental implant technology. Crafted with precision and passion, our implants boast superior biocompatibility, promoting seamless integration with the jawbone. The aesthetic appeal of zirconia perfectly complements the natural dentition, creating a lifelike appearance that leaves patients with renewed confidence in their smiles. ZiBone zirconia implants are engineered to offer outstanding mechanical properties, ensuring last-

ing durability and stability, setting new standards for implant success rates.

- **Biocompatibility:** Zirconia's biocompatibility reduces the risk of allergic reactions and inflammation, fostering a healthy healing process.
- **Optimal osseointegration:** The advanced design of ZiBone zirconia implants with Ra 0.6 µm surface treatment, facilitates reliable osseointegration, promoting stable and successful implant placements.
- **Versatility:** Our products cater to a wide range of dental cases, enabling you to provide personalised solutions for each patient's unique needs. Implant dimension 3.6/4.0/5.0 with different length 8/10/11.5/13/14.5.

Join us in revolutionising dental implantology—together, we create smiles that inspire confidence!

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