



**Straumann**

## Natural ceramic—proven quality

PURE ceramic implants have an ivory colour that resembles natural tooth roots. This gives the most natural look even in thin gingiva biotypes. ZLA, the surface of the PURE ceramic implant, is characterised by macro- and micro-roughness which is similar to the original Straumann SLA surface. In several studies, the ZLA surface has also demonstrated similar healing patterns, healing times and osseointegration qualities with regards to peri-implant bone density and bone-to-implant contact (BIC). In addition, the zirconia-based ZLA surface of PURE implants shows a favourable formation of the epithelial attachment, as well as significant lower bacterial accumulation compared to titanium-based SLA surfaces.

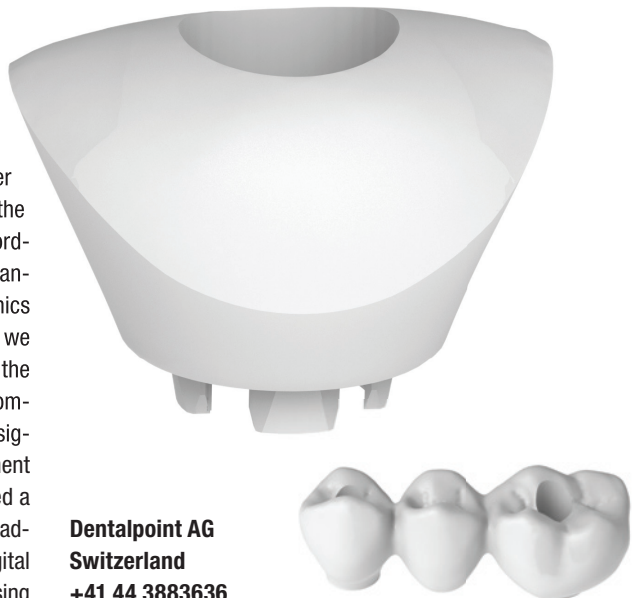
Compared to titanium implants, a higher degree of soft-tissue integration around the PURE ceramic implant was observed in scientific studies. By placing the Straumann PURE ceramic implant system, excellent aesthetic outcomes with favourable soft-tissue attachment and papilla formation around the implant can be achieved.

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**Dentalpoint**

## Zeramex Digital Solutions expanded

Zeramex is pleased to introduce another ground-breaking innovation to implant dentists: new custom gingiva formers made of zirconium oxide as well as three-unit monolithic bridges are now available and can be ordered via Zeramex Digital Solutions. These brand new metal-free products offer new levels of customisation and flexibility when it comes to the prosthetic treatment options of Zeramex XT implants. According to Dentalpoint CEO Adrian Hunn, Zeramex has achieved another milestone with this. "Digitalisation and the use of ceramics are currently the key trends in implantology. With Zeramex, we aim to play a leading role in both trends and our expansion of the Zeramex Digital Solutions product portfolio with ceramic customised gingiva formers and monolithic bridges has brought us a significant step closer to this goal." Along with the R&D department at Zeramex, collaboration with external laboratories has played a central role in the development of Zeramex Digital Solutions. In addition to the production of custom restoration options, the digital workflow from Zeramex offers clinicians a service for processing digital data or for finishing restorations.



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CAMLOG

## Natural aesthetics with the CERALOG® Implant System

The demand for highly aesthetic, natural-looking restorations is continually increasing. This trend favours ceramic implant solutions with high levels of biocompatibility, particularly zirconia, known for its excellent soft-tissue compatibility. The CERALOG® Implant

**AESTHETICS**  
The ivory colour, which is close to the natural tooth colour and the properties of zirconia supports high aesthetic results.



**IDEAL CONNECTION**

Hexalobe – the ideal implant–abutment connection for ceramic implants. The torque is transmitted tangentially to the implant, which allows a much higher torque compared to hexagonal connections, and also more rotational stability.

System is established and has been in clinical use for more than seven years. It offers a high level of predictability and provides aesthetically pleasing results. The two-piece design of the system that allows for screw-retained prostheses offers great benefits. CERALOG® is easy to use, owing to the simplified prostheses, lean instrumentation, and clearly structured surgical procedure. Options for the treatment workflow include flexible trans- or submucosal healing of the two-piece CERALOG® Hexalobe implant and transmucosal healing of the CERALOG® Monobloc implant. The implants are made of yttria-stabilised tetragonal zirconia, which is a ceramic widely used in the dental industry and other highly demanding medical fields. The ivory colour of the material, which is very close to that of a natural tooth, and the properties of zirconia lead to natural-looking results. Zirconia is chemically inert, making it especially suitable as an implant material. Due to its manufacturing process called ceramic injection molding (including sintering and hot isostatic pressing), it offers an outstanding combination of excellent mechanical properties and high strength.



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Amann Girrbach

## One zirconia for all indications

Amann Girrbach has expanded the portfolio of Zolid Gen-X zirconias, thus further reducing the complexity of material selection. The highly translucent zirconia with a natural colour gradient is now available in all heights and shades commonly in use on the market. From now on the blanks are available in 12, 14, 16, 18, 20, 22 or 25 mm heights, eliminating all height limitations. The latter is particularly suitable for large-span, implant-supported restorations with a gingival section. The blanks now also cover the complete range of shades. They are available in 16 A–D VITA shades and two bleach shades. With its integrated colour and translucency gradient, Zolid Gen-X zirconia is the material of choice for virtually all common zirconia indications. The flowing colour and translucency gradient is a perfect imitation of nature. With this all-rounder, laboratories can significantly reduce their inventory and save time-consuming selection processes based on the indication and positioning of the respective restoration. At the same time, users can rely on the advantages of the Zolid HT+ material, which has been proven since 2017 and



which forms the basis for Zolid Gen-X. With a flexural strength of 1,000 MPa, it meets almost every requirement for the stability of the restoration.

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TAV Dental

## Innovation for a healthier world

TAV Dental is focused on developing and manufacturing zirconia dental products using the advanced ceramic injection technology with a vision to redefine the quality of zirconia dental products and its performances and to make these premium implants common worldwide. We offer a variety of solutions in the field of dental implants under one roof. The passion behind developing zirconia products for dental implantology is to provide patients with products that are much healthier for their bodies along with the advantage of uncompromising aesthetic results. The white colour of zirconia ceramic implants, its biocompatibility and low affinity of plaque, along with its high mechanical properties and osse-

integration, make it a material of choice. TAV Dental offers the one-piece zirconia implant with integrated abutment and the two-piece configuration with slot connection geometry, which optimises the force transfer applied on the implant connection during insertion and, as a result, simplifies implant placement.



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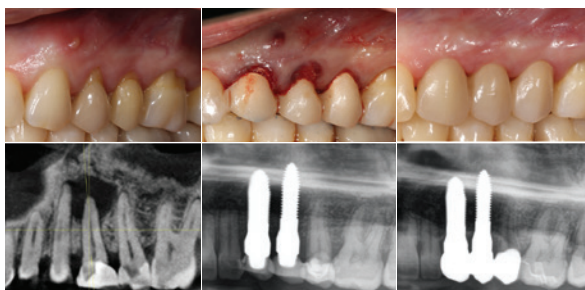


SDS Swiss Dental Solutions

## The “healthy implant”: A supportive therapy concept

Ceramic implants of the worldwide market leader SDS Swiss Dental Solutions are made of high-purity zirconium dioxide without the addition of metal oxides or other factors that would influence its colour. This material is therefore considered immunologically neutral. Prof. Hendrik Terheyden describes zirconia ceramics as a completely inert, sufficiently reacted material. No immune reactions are to be expected with zirconia, since the material does not lead to the deposition of corrosion products. Furthermore, the crucial role of bone metabolism is widely underestimated: without sufficient supplementation of micronutrients such as vitamins D3, K2 (Subtype MK-7), C as well as magnesium citrate, the storage of calcium in the bone will not succeed sufficiently. Without these nutrients, the osteoblasts will not synthesise osteocalcin. SDS Swiss Dental Solutions is the only ceramic implant manufacturer that, in combination with SWISS BIOHEALTH, offers a supportive therapy concept as well as a comprehensive offering of high-quality micronutrients.

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Zircon Medical

## Ideal biointegration with Patent™ Soft Tissue Level Implants

Biointegration is critical to the success and longevity of an implant. Optimal healing between the soft tissue, the bone and the implant significantly reduces the risk of perimucositis and peri-implantitis. With its unique Patent™ Soft Tissue Level Implant, Swiss-based dental implant manufacturing company Zircon Medical offers a system that consists of only two components — a tooth-coloured ceramic implant with integrated abutment and a high-tech glass fibre post. The cemented connection between the implant and the glass fibre post is located above the soft tissue and is completely sealed by the dental crown. This hermetically sealed connection minimises the risk for micromovements as well as infections and therefore facilitates a durable, reliable biointegration of the Patent™ Soft Tissue Level Implants. To learn more, go to [www.mypatent.com](http://www.mypatent.com).



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# ISMI

# INT. SOCIETY OF METAL FREE IMPLANTOLOGY



The innovative specialist society for modern metal-free implantology

## Benefit from the dual membership offer: Join ISMI and IAOCI now

### Benefits



#### Effective public relations

Benefit from a strong community that elevates the marketing of your practice through effective public relations strategies.

#### Personal online member profile

ISMI provides a personal profile of all active members on their website—free of charge. In addition, the ISMI patient platform provides important information for patients and features a search tool with which patients can find their perfect dentist.



#### Discount on congress fees

Come and join us! Attend the Annual Meeting of ISMI in Düsseldorf on 7 and 8 May 2021 and benefit from first-rate continuing education. ISMI members receive a special discount on the participation fee.



#### Online archive for specialists

Get exclusive access to ISMI's extensive online archive. Discuss all relevant questions regarding metal-free implantology with experts and colleagues from around the world and enjoy free access to the online archive where you will find informative training videos and clinical case reports.



#### Newsletter

The ISMI newsletter keeps you up to date with the latest scientific trends, products, and events on a regular basis. It also features user reports as well as a wide range of information and tips on the subject of metal-free implantology.



#### Specialist magazine

As a member of ISMI, your membership fee includes a subscription of the independently published English language magazine *ceramic implants—international magazine of ceramic implant technology*. Published twice a year, the magazine offers specialist articles and event reports as well as industry- and science-related news from the international world of metal-free implantology. In addition, *ceramic implants* provides information about manufacturers and their latest products.



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with our dual membership!

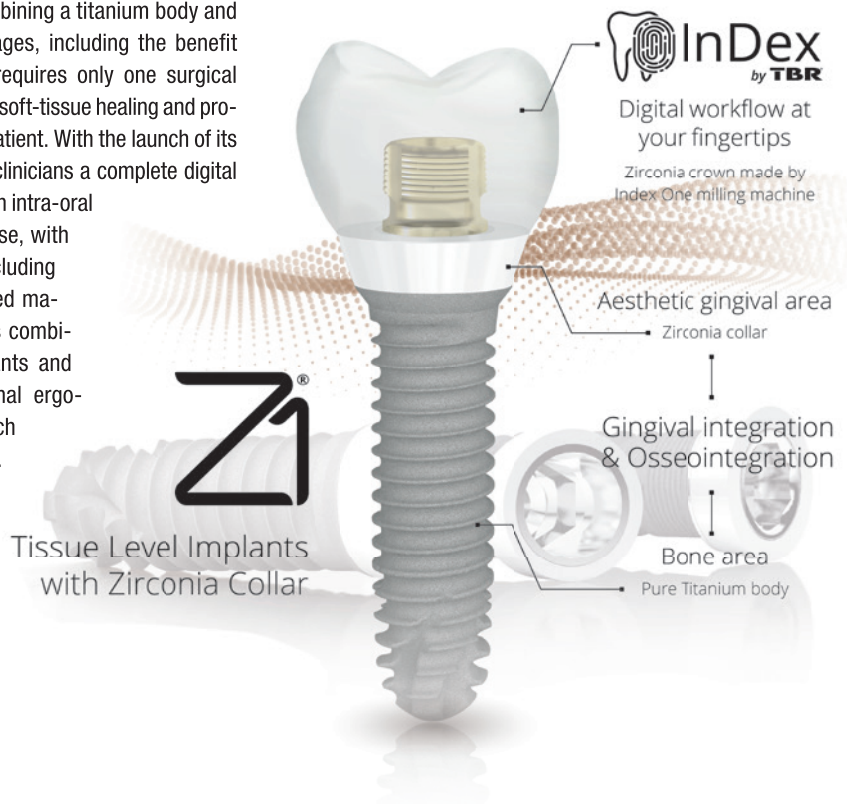


TBR Dental

## Implantology 2.0: Z1<sup>®</sup> tissue-level implant & Index digital workflow

The worldwide unique Z1 implant, combining a titanium body and a zirconia collar, offers many advantages, including the benefit of being a tissue-level implant that requires only one surgical procedure. The zirconia collar promotes soft-tissue healing and provides optimal aesthetic results for the patient. With the launch of its new range Index, TBR is now offering clinicians a complete digital workflow: from the scanning phase, with intra-oral scanners and CBCT, to the milling phase, with machines adapted to your needs including suitable CAD/CAM software, associated materials and consumables. The virtuous combination of implantology with Z1 implants and Index digital workflow ensures optimal ergonomics and allows time saving, which is essential in the daily dental practice. Combine aesthetics and digital design with Z1 implants and TBR CAD/CAM Index dental solutions.

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Z-SYSTEMS

## Z-SYSTEMS Ceramic Implants—100% Ceramic, 100% Swiss

Ceramic implants have been at the cutting-edge of dental implant technology for over a decade, and are becoming increasingly popular with patients and practitioners worldwide. As a market leader, Z-SYSTEMS has taken another leap forward with its innovative Z5-BL (Bone Level) and soon-to-be-released Z5-TL

(Tissue Level): the world's first two-part, screw-retained implants made entirely of ceramic. For the first time, completely submerged healing is now also possible with ceramic implants.

The Z5-BL's advantages are evident in its beautiful bone level

design and a unique variety of abutments. A high-precision, extremely stable conical connection between the abutment and the implant makes it possible to use this material even for the occlusal screw. Many practitioners also like to work with tissue level implants—especially in biological dentistry. In recognising these clinical demands, Z-SYSTEMS is rapidly following the release of the Z5-BL with an equally-revolutionary Z5-TL. These latest releases build on the proven platform of Z-SYSTEMS heritage line: the Z5m, Z5m(t) and Z5c. Each Z-SYSTEMS product features the technology's unique, patented laser surface for outstanding osseointegration. The company's proprietary manufacturing process has produced a top-quality implant family renowned for its great durability. In addition to fixed restorations, removable locator-like abutments are also possible on all two-piece Z-SYSTEMS implants. Available lengths are 8, 10 and 12 mm and diameters are 3.6, 4.0 and 5.0 mm.



**Z-SYSTEMS Ceramic Implants**

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**www.zsystems.com**

ZiBone

## A wide range of zirconia products

Based on more than 30 years of experience, COHO has been producing orthopaedic and dental implants, and surgical instruments made from zirconia for many years. In collaboration with renowned experts and research units from National Taiwan University, a wide variety of ZiBone zirconia products have been launched in the past, including implant drills, pilot drills, tissue punch devices, tissue trimmers, scalpels, or elevators. COHO is always looking to advance research on surface treatment to reduce metal-related health risks for patients and to facilitate safety and convenience during surgery. COHO is currently working towards the market entry of Zircasso, IZI and a tissue-level implant system. In addition, COHO offers the new Deguide Kit, a set of accurate tools designed and developed by Dr Noran Debasso, which provides patients with a simple way to clean their implants and achieve good oral hygiene. Based on a novel, encompassing technique from Dr Noran Debasso, the Deguide Kit is a solution that does not require CBCT and that fits every type of dental implants. To find out more, go to [www.zibone.com](http://www.zibone.com).

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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  $1,7\mu\text{m}$  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.

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EXPECTATIONS

VS.

REALITY

