

Straumann

A true metal- and plastic-free bone level ceramic implant system

Ceramic implants are a key trend in modern dentistry amid growing patient demand. For surgically active dentists who strive to deliver the best aesthetic treatment, Straumann offers the new ceramic implant system SNOW. It is the only all-ceramic (i.e. free of metal and plastic) two-piece bone level implant available, where all the components are made of ceramic, even the drills. Implant diameters are available in formats as small as 3.6, 4.0 and 5.0mm. The reliable system features the patented proprietary SLM® laser surface technology for surface enlargement. SNOW offers full prosthetic flexibility through a wide range of straight and angled ceramic abutments, for fixed or removable dentures, so that patient needs and clinical situations can be accommodated. It is supported by the digital workflow to allow implant planning, as well as customised restorations. SNOW came about through a partnership between Straumann and Z-Systems, a Swiss leader in ceramic dental implant systems.



Institut Straumann AG
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SDS Swiss Dental Solutions

An easy solution for difficult situations

With the new 17 mm long one-piece ceramic implant from Swiss Dental Solutions, difficult surgical situations can be mastered elegantly in only one session. As is the case with all SDS implants, it is made of the continuously improved material TZP (tetragonal zirconia polycrystal) and features the high mechanical strength the material is known for. The abutment can be grounded deep into the tulip area with a red ring diamond at maximal rotation and water cooling. The 17 mm long SDS 1.1 implant is available in diameters of 3.8 and 4.6 mm (with tulip diameters of 5.0 and 6.0 mm, respectively). The micro-thread on the upper part with a 0.04 mm thread depth results in an increased core diameter in the area of the peak load, thus significantly improving implant stability. The lower region of the implant thread features a "Dynamic Thread" with a 2.5-fold thread depth in the bone-condensing area, generating a large surface for reliable osseointegration even in difficult bone situations as a result.



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Nobel Biocare

Natural aesthetics and soft-tissue harmony

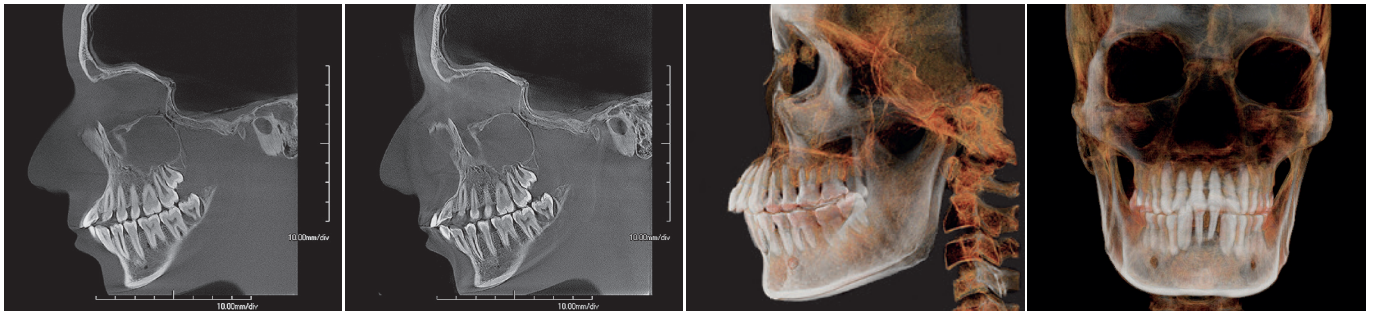
For practices looking to offer their patients an alternative to titanium, Nobel Biocare has harnessed the evolution of ceramic implant solutions with NobelPearl. A one-hundred per cent metal-free, two-piece ceramic implant solution with a cement-free internal connection, it has been designed to support natural soft-tissue appearance. NobelPearl features the innovative VICARBO® screw made of carbon-fibre reinforced polymer making for a strong ceramic-to-ceramic connection. In addition, it offers great restorative flexibility, thanks to the two-piece, reversible, cement-free internal connection design. The thread design and tapered implant shape, combined with the tapered drill protocol, have been engineered to achieve high primary stability, and the ZERAFIL™ surface, combined with a partially machined collar, is proven to osseointegrate. Clinicians seeking a successful start in ceramic implantology and to expand their choice for patients can gain peace-of-mind with this easy-to-adopt solution.



Nobel Biocare Services AG
P.O. Box
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PreXion

Superior 3D image quality with low radiation exposure



100µm voxel size.

74µm voxel size (PreXion3D EXPLORER). 3D image with a 150 x 160 mm field of view.

With many 3D-imaging systems today, good image quality is usually accompanied by high radiation exposure. Developed specifically for the European and US-American market, the new CBCT system PreXion3D EXPLORER offers the highest possible image quality at the lowest possible radiation levels. With a specifically controllable pulse generator, radiation is generated only when necessary to achieve the highest imaging quality. For a 20-second-long scan in ultra-HD 3D-mode, radiation exposure is only between 4.4 and 5.8 seconds. For a 10-second-long scan in standard scan 3D-mode, it is a mere 3.2 seconds. The small voxel size enables a more detailed representation of even the finest hard and soft tissue structures in ultra-High Definition. The short image reconstruction times

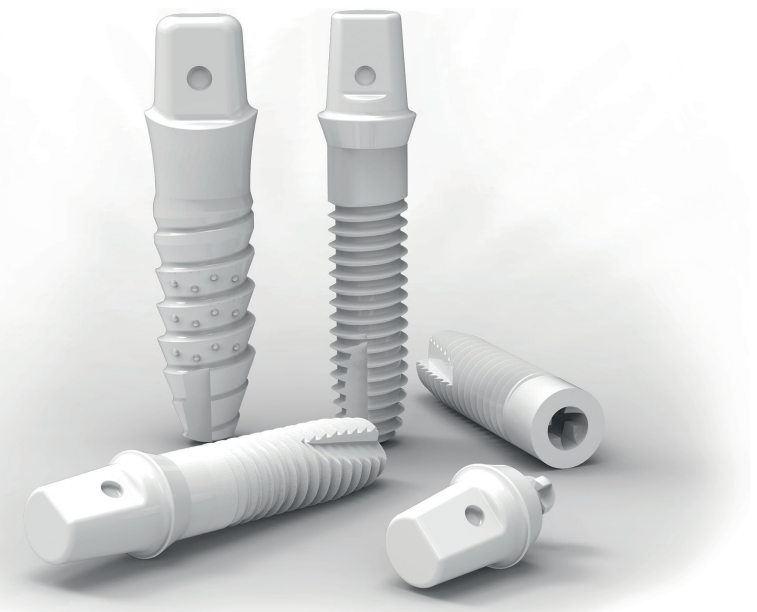
ensure a seamless workflow. The PreXion3D EXPLORER convinces with easy handling and extensive planning programmes that cover the entire range of indications. With the 3D-analysis function, fields of view (FOV) sizes of 50 x 50, 150 x 80 and 150 x 160 mm can be generated, offering numerous flexible diagnostic options for oral surgery, implantology, periodontology, endodontics, orthodontics, and general dentistry.

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65428 Rüsselsheim, Germany
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COHO Biomedical Technology

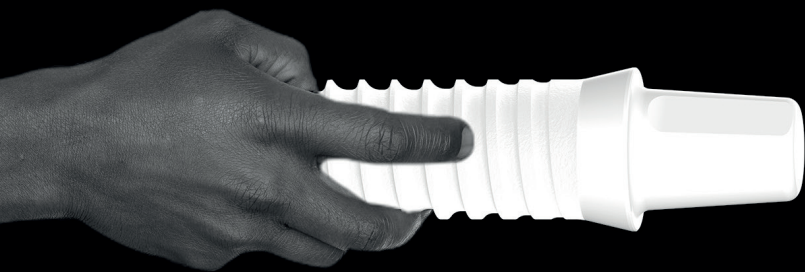
Zirconia implants that resemble natural teeth

With the one-piece ZiBone zirconia implant, COHO offers a metal-free implant system which meets high aesthetic demands. It convinces with outstanding biocompatibility and causes no allergic reactions. ZiBone implants and instruments are made of high-purity zirconia partly stabilised with yttria and hafnium—an extremely strong material which has been used for orthopaedic implants for years. Zirconia implants do not have the dark gleam found in titanium implants and they do not show dark margins in the case of receding gum lines, owing to their white colour. Restorations with ZiBone look very natural, as zirconia allows light to pass through—just like natural teeth would do. The one-piece system is available in three different sizes (3.6, 4.0, 5.0 mm) with five different lengths (8, 10, 11.5, 13, 14.5 mm). Abutments with different heights and angles are also available for the two-piece system. Furthermore, COHO offers the Zircasso implant system, which comes in different screw patterns and abutment designs allowing the dentist to meet individual patient demands. COHO knows what patients expect from a new implant, which is why the Zircasso system has been perfected over a period of ten years both in terms of



design and functionality. The unique design was developed to reduce the most common complications and to improve on the characteristics of previous implants.

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GO FOR ZIRCONIA



TAV Dental

State-of-the-art zirconia dental products

Zirconia healing caps and locators, multi-units with zirconia ring and last but not least zirconia implants are just some of the special products TAV Dental is manufacturing using the advanced ceramic injection technology. The passion behind developing zirconia products for dental implantology is to provide patients with products which are much healthier for their body along with the advantage of uncompromising aesthetic results.

TAV Dental zirconia products are designed by a highly professional dedicated team and manufactured using high-end ceramic injection

molding technology, thus resulting in state-of-the-art products to improve the patient's quality of life.

The team vision is to redefine, better than ever, the quality of zirconia dental products and its performances, and to make this premium zirconia line common worldwide.

TAV Dental
Shlomi, Israel
www.tavdental.com

OroTox

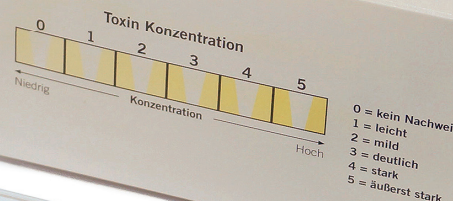
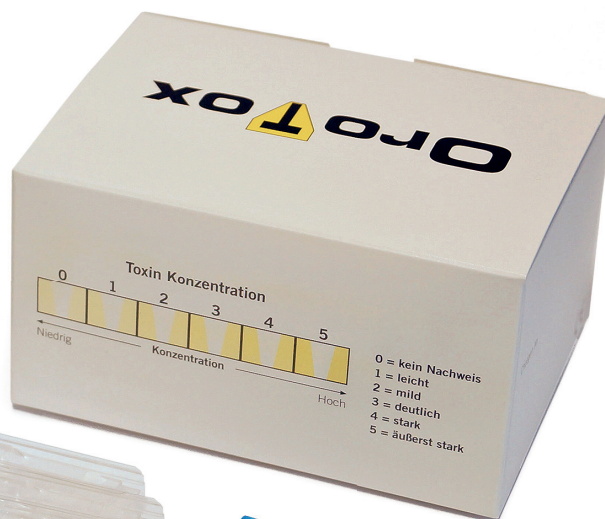
Test to detect sulphur and protein toxins

The OroTox test helps dentists to decide within a few minutes whether they need to extract a tooth that has undergone root canal treatment or whether they can simply repair it with a filling or a crown. The first part of the test measures sulphur toxins, polyamines and total proteins in the periodontal sulcus fluid.

A sample of the results is given to a practitioner in a reagent mixture. If it turns yellow, this is an indication of sulphur-containing compounds of bacteria and fungi. The second part of the OroTox test detects inflammatory

protein toxins, such as antibodies and serum albumin. If the mixture turns blue, it is an indication that the tooth being tested is likely to have a bacterial infection. However, the protein toxin test is merely an additional check in addition to the previous sulphur toxin test. The less discolouration, the better the patient's oral health. Dentists get the most reliable results when they perform the tests two weeks after a dental hygiene treatment.

OroTox – International
Grünwalder Straße 1
81547 Munich, Germany
www.orotox.de



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.

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.



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 50997 Cologne, Germany
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Champions-Implants

Ceramic implant now available

In releasing its new ceramic implants BioWin!, available as both one-piece and two-piece versions, Champions-Implants is breaking new ground. Without having a screw connecting the implant body and the abutment, the two-piece option is entirely metal-free. Since the glass fibre abutment is being glued, there is no space that is vulnerable to paropathogenic germs or bacteria, as it might happen in two-piece implant systems. The roughness of the surface is created using a one-of-a-kind patented process resulting in a faster osseointegration. Scientific studies (Prof. Becker, University Düsseldorf, among others) find osseointegration to be at 95.8 per cent. The implants are available in five different lengths (6, 8, 9, 11, 13mm) and diameters (4.1, 4.5, 5 mm). Moreover, there is a free and user-friendly software available, with which individual implants having individual emergence profiles can be developed. BioWin! implants can be inserted using either a minimally invasive approach or a classic full-flap one.



Champions-Implants GmbH
 Champions Platz 1
 55237 Flonheim, Germany
www.championsimplants.com

AD

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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 prosthetics 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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ClaroNav

State-of-the-art navigation for every day

Similar to the way that a GPS system guides you while driving, Navident by ClaroNav guides clinicians by using the CBCT image as a map. It offers surgeons an easy to use, accurate, highly portable and affordable way to plan restorations and implant placements. With Navident 2, clinicians will no longer need to do a special extra scan. They can use the diagnostic scan already available for the patient. The stress of stent making is also gone because a stent is no longer required. Trace and Place (TaP) is a game-changing development for dynamic navigation. With TaP, the Navident workflow is streamlined, efficient, user-friendly and seamlessly integrated into the daily practice. "Trace and Place is a real tipping point for dynamic navigation guidance," said user Dr George Mandelaris, a periodontist from Chicago, USA. "It has streamlined and simplified the workflow in both the diagnostic and surgical phases to allow state-of-the-art technology to be an everyday component of my surgical implant practice. I can't imagine going back." Clinicians are invited to learn from masters and interact with peers at ClaroNav's booth #3M27 at this year's ADF Meeting, to be held from 26 to 30 November in Paris, France.



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ISMI

INT. SOCIETY OF METAL FREE IMPLANTOLOGY



The innovative specialist society for modern metal-free implantology

Become a member now!

Advantages

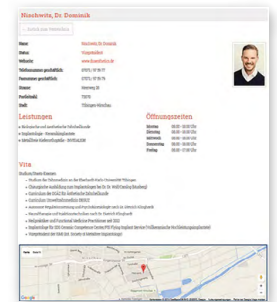


Public relation work

Benefit from a strong community that supports your practice marketing through their public relation measures.

Society's website including member profiles

Use the individualised member homepage and profit from a personal profile which ISMI provides free of charge to all active members. The patient platform of ISMI offers information for patients as well as a "dentists search & find" option and connects patients to the individual member homepages.



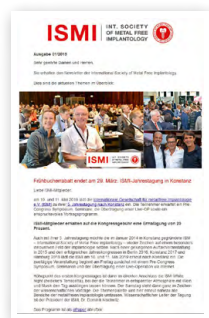
Congress participation discount

Come and join us! Attend the Annual Congress of ISMI in Berlin on 8 and 9 May 2020 and receive further education provided by our partners for reduced participation fees for all ISMI members.



Online specialist archive

Get exclusive access to ISMI's comprehensive online archive. Discuss with experts and colleagues all questions concerning metal-free implantology and enjoy free access to the online archive and its subject-related training videos and case reports.



Newsletter

The ISMI newsletter informs you of the latest scientific trends, products, and events. It also provides 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 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 on companies and their newest products.

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