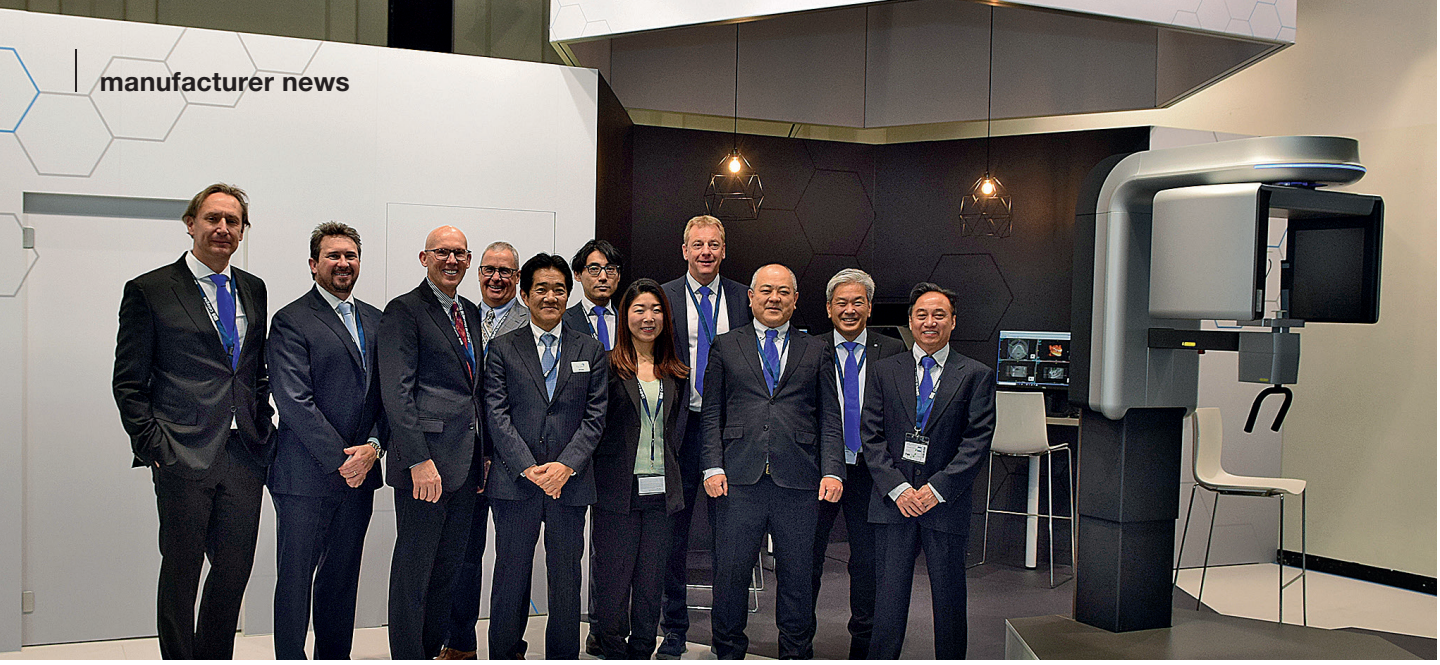


PreXion

A new precision standard in 3D imaging

At IDS 2019 in Cologne, PreXion, the Japanese CBCT specialist, presented its newly developed system, the PreXion3D EXPLORER, which was primarily developed for the European and US market. With the device presentation at the PreXion booth in Cologne and the new international website www.prexion.eu, the company presented itself to a larger European audience for the first time. Hardly any other company is as specialised in three-dimensional X-ray diagnostics as the high-tech company PreXion, which has been active on the market for more than 15 years. Its new CBCT system PreXion3D EXPLORER, impresses with a clear and ultra-precise 3D image with the lowest possible radiation exposure and simplest operation. Compared to three-dimensional digital images, conventional 2D X-ray images offer only limited diagnostic information. However, the pulsed, cone-shaped beam of a CBCT minimises the radiation exposure, but increases the image information many times over by means of three-dimensional representation. With a 0.3 mm focal spot and a voxel size of only 75 µm, the PreXion3D EXPLORER offers a unique combination of highest possible image quality with lowest possible radiation exposure owing to its automated beam stop function. With a maximum field of view (FOV) of 150 x 160 mm and integrated imaging software, the finest spatial structures of hard- and soft-tissue can be displayed. In addition, the device impresses with its ease of operation and comprehensive planning programmes across all dental indication areas. Exclusive consulting appointments can be arranged at info@prexion-eu.de or via the homepage.

PreXion (Europe) GmbH
Stahlstraße 42
65428 Rüsselsheim, Germany
www.prexion.eu

SDS Swiss Dental Solutions

Ceramic implant forms with osteogenic functionality

While SDS ceramic implants were being applied routinely at the Swiss Biohealth Clinic of Dr Volz, the experience and knowledge that were gained there led to the development of a new kind of implant. The improved biocompatibility of zirconium dioxide implants, together with the bone and soft-tissue growth associated with it have provided new options for implantation wherever pronounced oval alveoli need to be treated, or multiple rooted teeth must be replaced. To this end, the implant ranges “oval” and “balcony” were developed, available in different diameters and lengths, both as single pieces and in two parts, and which were able to optimally close the alveoli, especially with emergency implantations.
The new SDS “sinus implants” (Fig.) were developed specifically for sinus lifting. Due to the increased biocompatibility of ZrO_2, bone growth is also optimally exploited for this indication. In the apical area of the sinus implants, a plate is introduced, which on the one hand spares damage to the Schneiderian membrane upon sinus lifting, and on the other forms a large cavity under the plate due to an umbrella effect. The actual implant serves as a tent pole in this cavity, which creates optimal conditions for inward bleeding and the bone regeneration which results from this. Bone graft material is not necessary in almost all cases. The sinus implants are also available in various diameters and lengths.

SDS Swiss Dental Solutions AG
Konstanzerstr. 11
8280 Kreuzlingen, Switzerland
www.swissdentalsolutions.com

TBR Dental

Z1 implant—The science of smiling

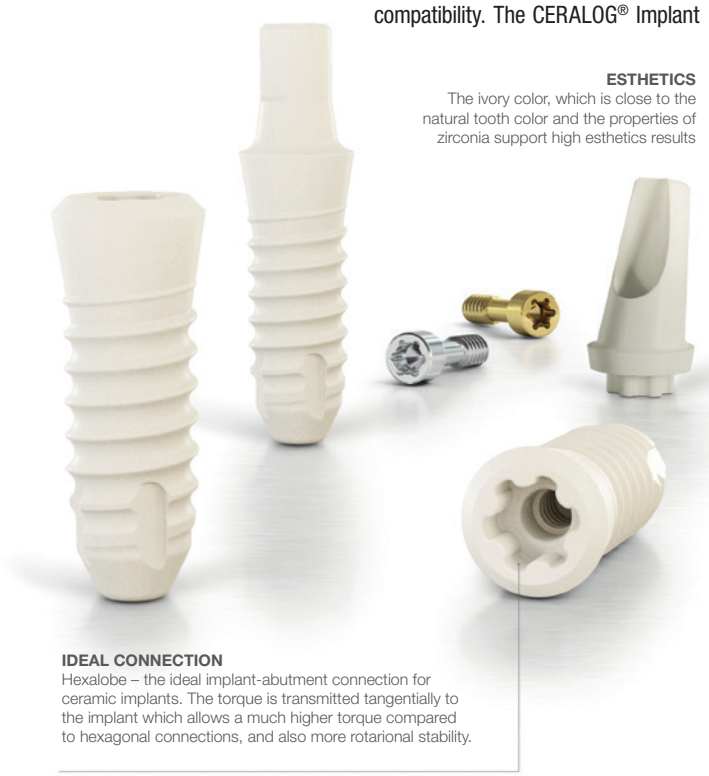
Restorative and cosmetic dental procedures continue to grow in popularity, with dental implant treatment proving to be an ideal solution for those seeking to replace missing teeth. Advanced implant systems can be placed within one surgery and are often indistinguishable from a patient's natural teeth. Although some titanium implants can become visible through the gingiva—thereby compromising the overall visual result—this risk is eliminated with the TBR Z1 implant. Dental implants must integrate with the three surrounding tissues—the bone, connective tissue and epithelial tissue. The main challenge involved with the implant's periodontal integration is the long-term stability of the implant–tissue interface. This challenge is met by the Z1. Seamlessly combining a durable titanium post with an innovative zirconia collar, the unique design of the Z1 encourages the soft tissue to heal around the implant in a way that mimics natural gingival growth, ensuring a highly satisfactory outcome. The importance of a healthy smile cannot be underestimated, especially as the world's most powerful gesture can affect an individual's self-confidence, self-image and overall quality of life. Practitioners can continue helping patients retain a smile to rival the Mona Lisa's by offering the latest treatments, which have been optimised to improve dental function and aesthetics.

TBR Dental Group
24 Impasse René Couzinet
31500 Toulouse, France
www.tbr.dental

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 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 a 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.



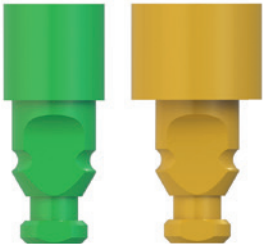
ESTHETICS
The ivory color, which is close to the natural tooth color and the properties of zirconia support high esthetics results

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 rotarional stability.

CAMLOG Biotechnologies GmbH
Margarethenstr. 38
4053 Basel, Switzerland
www.camlog.com

Dentalpoint

ZERAMEX® XT— CAD libraries now available



The CAD data for exocad and 3Shape are now available. Thus, the digital workflow for the reversible screwed and 100 per cent metal-free ZERAMEX XT system is ready. Now, all users can download the libraries under the download and media section of the ZERAMEX website. The main focus is on the new "Digital Implant Replica". It is part of the newly introduced digital workflow on the ZERAMEX XT system. The new "Digital Implant Replica" will replace the previous replica and can also be used for conventional impression taking. In addition, the user is equipped with a new scanbody, which is conveniently delivered in a set including a new screw. All information can be found in the product range and in the fax order form, which are also available for download under the media section of the ZERAMEX website. If you have any questions about the articles, please contact our order office. For technical questions, our technical advice will be happy to help. All contact details can be found online under www.zeramex.com/en/contact.

Dentalpoint AG
Bodenäckerstr. 5
8957 Spreitenbach, Switzerland
www.zeramex.com

Nobel Biocare

NobelPearl now available in the USA

Nobel Biocare has received FDA approval to market NobelPearl in the USA. A unique alternative to titanium, the two-piece ceramic implant solution has been designed to support a natural soft-tissue appearance. It is especially beneficial in patients with a thin mucosal biotype. NobelPearl is metal-free and comes with a cement-free internal connection made possible by the innovative VICARBO® screw made of carbon-fibre reinforced polymer. The thread design and tapered implant shape combined with the tapered drill protocol, have been engineered to achieve high primary stability. The hydrophilic sand-blasted and acid-etched ZERAFIL™ surface, combined with a partially machined collar, is further proven to osseointegrate. NobelPearl follows a range of well-established workflows for two-piece implants and is integrated into Nobel Biocare's digital workflow. Clinicians seeking a successful start in ceramic implantology can gain peace-of-mind with this new solution.

Nobel Biocare Services AG
P.O. Box
8058 Zurich, Switzerland
www.nobelbiocare.com

WITAR

Biocompatible ceramic implant

Metal-free, biocompatible and aesthetic: Ceramic implants have gained popularity among dentists and patients. Building upon this trend, WITAR offers a new AWI implant system for transgingival healing. With this, the company promises an implant treatment that is safe, cost-efficient and simple. The two-piece system that has been developed and patented recently is made from Y-TZP ceramic and offers a reliable and easy handling. Treatment steps had been optimised for an increased safety and biocompatibility. At the same time, treatment costs and time could be reduced.

The implant system consists of nine two-piece ceramic implants that are available in three different diameters (3.9, 4.5, 5.0 mm) and lengths (8, 10, 12 mm). With this, the system is indicated for all bone classes. Additionally, the one-piece AWI implant is available in two sizes (10, 12 mm) with a diameter of 3.9 mm and can be used in the anterior mandible. Four full-ceramic abutments of which two are straight and two are angled by 15 degrees, belong to the system as well. Furthermore, the system includes a sterilisation box, surgical tray with milling machines made from ATZ high-performance ceramics, and turning tools.

WITAR Consulting GmbH
Rodenkirchener Straße 148
50997 Cologne, Germany
www.witar.de

Straumann

Natural ceramic—proven quality

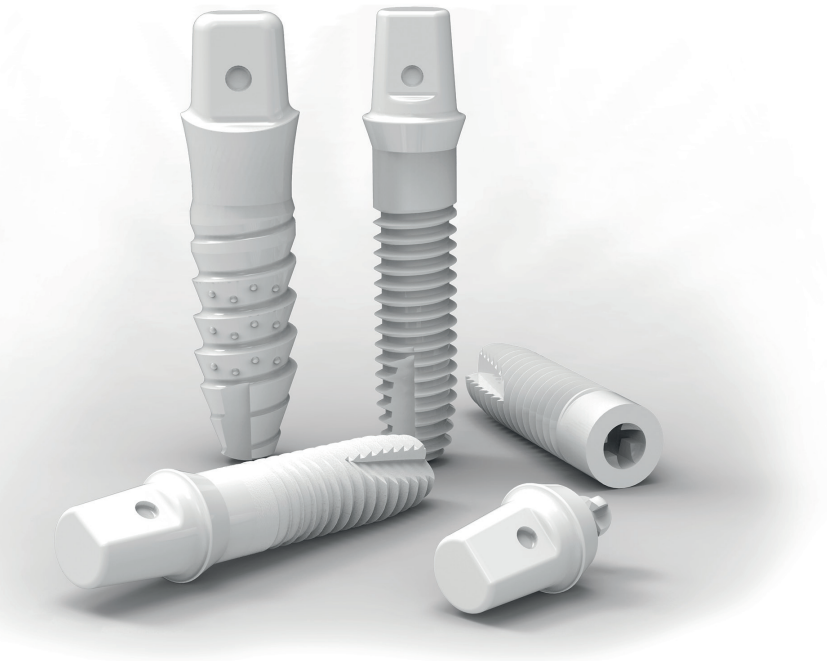
PURE ceramic implants have an ivory colour that resembles natural tooth roots. This gives the most natural look even in thin gingiva biotypes. ZLA, the surface of the PURE ceramic implant, is characterised by macro- and micro-roughness which is similar to the original Straumann SLA surface. In several 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.

Institut Straumann AG
Peter Merian-Weg 12
4052 Basel, Switzerland
www.straumann.com

COHO Biomedical Technology

Zirconia implants that resemble natural teeth

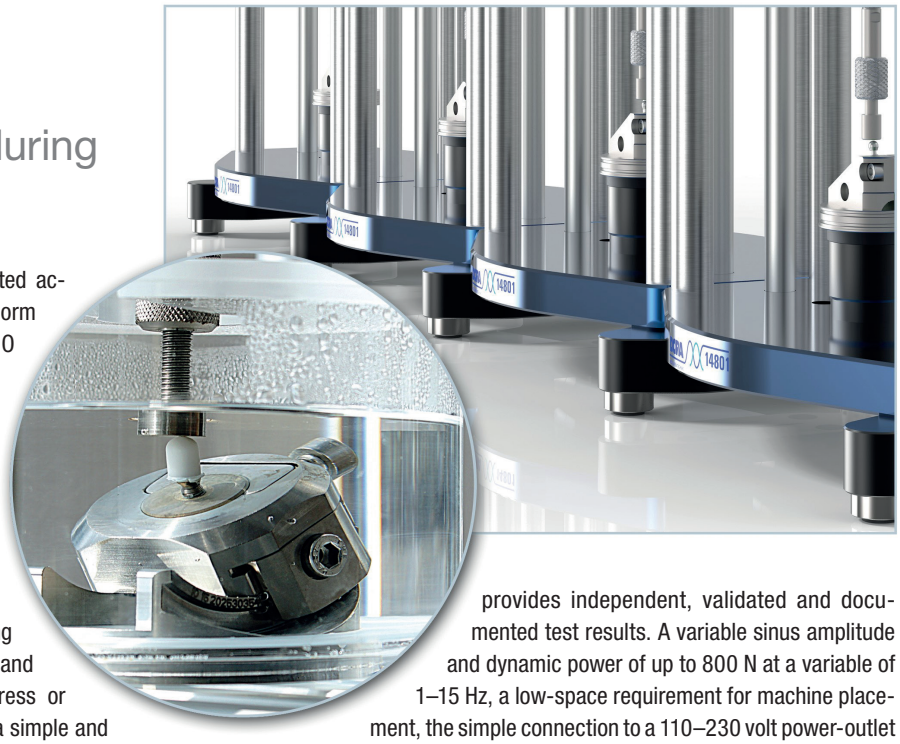
With the one-piece ZiBone zirconia implant, COHO offers a metal-free implant system which meets high aesthetic demands. It convinces with outstanding biocompatibility and causes no allergic reactions. ZiBone implants and instruments are made of high-purity zirconia partly stabilised with yttria and hafnium—an 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.



COHO Biomedical Technology CO., LTD.
No. 21 Dafeng Street, Luzhu District
Taoyuan County 338, Taiwan (R.O.C.)
www.zibone.com

LARADO

Implant testing during production



Implant systems are normally tested according to the DIN EN ISO 14801 norm before they are launched. LARADO presents an especially developed dental implant testing unit—DORA 14801—which guarantees the observance and consistency for product quality before and during production and also allows for immediate design modifications. The DIN EN ISO 14801 norm concerns itself with the testing of dental implants regarding wear and failures caused by alternating stress or loads. The DORA 14801 provides a simple and economic solution for testing with a maximum of efficiency regarding cost and time. In principle; it relates to the quality of implants which must be insured not only in the development phase, but also in later production by batch and ISO 14801-exams. Thus, a high level of security is obtained with respect to endurance, connection and structure of implants. The main factor of efficiency is obtained through one master control unit and is the basis for the connection of 1 to 8 individual test stations that provides independent, validated and documented test results. A variable sinus amplitude and dynamic power of up to 800 N at a variable of 1–15 Hz, a low-space requirement for machine placement, the simple connection to a 110–230 volt power-outlet and the independence from compressed air or hydraulic systems are some of the advantages of the DORA 14801.

LARADO
Prüf- & Mess-Technik GmbH
Franz-Kirsten-Straße 1
55411 Bingen am Rhein, Germany
www.14801.de

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

Senior Premium Partner
otmedical®

Premium Partner
camlog

Premium Partner
straumann

Premium Partner
Dentsply Sirona Implants

VISIONS IN IMPLANTOLOGY

2ND FUTURE CONGRESS FOR DENTAL IMPLANTOLOGY

Perio-Implantology: Implants, Bone & Tissue—
Where are we today and where are we headed?

49TH DGZI INTERNATIONAL ANNUAL CONGRESS

4 & 5 OCTOBER 2019
The Westin Grand Hotel Munich, Germany

ONLINE REGISTRATION/
CONGRESS PROGRAMME

www.dgzi-jahreskongress.de

DGZI
Deutsche Gesellschaft für Zahnärztliche Implantologie e.V.

WWW.OEMUS.COM

OEMUS MEDIA AG · Holbeinstraße 29 · 04229 Leipzig · Germany · Phone: +49 341 48474-308 · Fax: +49 341 48474-290 · event@oemus-media.de