edelweiss aims at shaping the future of dentistry with function and aesthetics

The dental think-tank edelweiss dentistry is known to have pioneered the only direct biomechanical veneering system that has overcome the disadvantages of organic fillers, which are commonly used in composite veneers. Using the laser-sintered concept, this technology has dramatically reduced the natural shortfalls of composite and thereby enhanced aesthetics and function.

The product range varies from ultrathin anterior and occlusal enamel shells to root canal posts with build-ups and even a novelty in paediatric dentistry: integrating composite crowns instead of conventional metal or zirconium crowns. This enables a safe and easy treatment, creating healthy smiles for children.

Never before has it been feasible to directly create the natural shape and youthful luminescence of a tooth so easily and perfectly in only one appointment. Its versatile area of application, together with its time- and cost-saving procedure, makes edelweiss DIRECT SYSTEM a sound investment in the future with the best interests of the patient in mind.

The philosophy of edelweiss dentistry is simple: making dental treatments easy and affordable for patients and dentists alike while following ethical aspects of modern treatments, which is achieved by respecting the principles of biocompatibility and bio-aesthetics. This all together allows minimally invasive treatments. Restoration and optimisation are carried out while considering and preserving the healthy tooth structure. The function and aesthetics are reconstructed with a highly filled nano-hybrid composite very similar to the tooth substance—a concept that clearly speaks in favour of non-restorative or additive techniques. This makes the DIRECT SYSTEM from edelweiss the state-of-the-art for modern and minimally invasive aesthetic dentistry.

The translucent VENEER and OCCLUSIONVD shells, as well as the PEDIATRIC CROWNS represent the anatomical basis for individual or complete dental reconstructions. After a successful splint therapy, the OCCLUSIONVD, where “VD” stands for vertical dimension, can be adjusted individually and be used adhesively as non-prep Overlays to solve functional problems.

The edelweiss POST & CORE system achieves in adhesive bonding with the tooth, from root to crown a biomechanical monobloc. The posts have a conical shape for better post space adaptation. The translucency of the fibre-free post, supported by the in the build-up integrated lens design, allows uninterrupted light transmission for complete polymerisation. Moreover, the opaque build-up in dentine A1 comes in different anatomical forms. Like VENEER and OCCLUSIONVD shells, edelweiss PEDIATRIC CROWNS are made of a laser-sintered barium glass, rendering them both antibacterial and plaque-resistant. Unlike conventional pediatric crowns, edelweiss PEDIATRIC CROWNS have the same flexural modulus as natural teeth and that is why the antagonist teeth will not be damaged. The mesial and distal margins of the edelweiss PEDIATRIC CROWNS follow the natural gingival line of the primary teeth and imitate these teeth in both form and function. The prefabricated, bio-aesthetic morphology allows for a quick and safe treatment.

You can achieve the maximum aesthetic results—that are also minimally invasive—in just one appointment. No matter the dental situation, edelweiss has the right restoration for it. Try the edelweiss products at a hands-on station at the company’s booth and convince yourself.

Learn more about edelweiss dentistry products at www.edelweiss-dentistry.com or visit the company’s booth at IDS (Hall 11.3, Booth D068–E069).
New from Dürr Dental – a unique system for excellent drinking water quality for treatment units

This much can be revealed now: This new system is the easiest way to keep you on the safe side in the future. To find out more about the new and unique system from Dürr Dental, please visit us at IDS in Hall 10.1, F 30 – 40, G 39 – 41.

More at: www.duerrdental.com
XP-endo: 3-D solutions for root canal treatment

Since its founding in 1961, Müller-Omicron has spoken and understood the language of dental. A medium-sized company, it specialises in the development, production and distribution of dental materials for dentists and technicians. In more than 70 countries, users benefit from the outstanding ease of use and price-performance ratio of the products, which are made in Lindlar, Germany. These include an extensive range of impression materials (A- and C-silicones), bite registration materials, laboratory silicones and a completely new disinfection programme, with a focus on wipe disinfection. All disinfectants meet the latest requirements of the VAH and all EN standards, including EN 16615. In order to keep up with the ever-increasing digitalisation of the dental market, Müller-Omicron now also speaks digital. Throughout the last two years, the company has been intensively involved in developing light-curing resins for the additive manufacturing of dental objects such as models, cast objects, occlusal splints and drilling templates. The result is the new material class of LC-print model, cast, tray and splint. All LC-print variants are suitable for all DLP printers. At IDS 2019 (Hall 4.2, Booth J090), LC-print and other news will be presented to trade professionals for the first time. “We are all excited about the response and look forward to a large number of visitors,” said the marketing and export manager of the company, Jens Günther.

XP-endo: 3-D solutions for root canal treatment

Having launched its first revolutionary 3-D instrument, the XP-endo Finisher, four years ago, Swiss manufacturer of innovative, high-quality endodontic solutions FKG Dentaire is now introducing the latest application expansion to its total therapy system: XP-endo Solutions.

XP-endo Solutions consists of two different files: the XP-endo Shaper and the XP-endo Finisher. Both expand at body temperature to achieve safe and easy management of root canal therapy while preserving dentine.

Together with the introduction at IDS 2019 of XP-endo Retreatment, a new clinical sequence focused on more efficient retreatment solutions, XP-endo Solutions delivers a complete system to both practitioners and patients in initial treatment and retreatment management and requires fewer files.

A complete system, the XP-endo Shaper, with its snake-like shape, is primarily dedicated to canal shaping. Thanks to its adaptive core and a 1 per cent taper associated with a guiding tip, the XP-endo Shaper can shape all types of canals with greater safeguarding of the original shape of the root—from regular structures to the most complex. The XP-endo Retreatment clinical sequence utilises the XP-endo Shaper, which acts like a corkscrew, to remove filling material from the canal with extreme precision and efficiency.

The XP-endo Finisher is designed to provide optimal expansion properties through a minimalistic design that ensures smooth and extraordinarily efficient cleaning of root canal walls. The XP-endo Finisher is available in two sizes: ISO 025 and ISO 030 (Finisher R), both with a 0 per cent taper. The Finisher R (Reinforced) dedicated to retreatment cases and the smaller version (Finisher) intended for initial treatment use.

XP-endo Solutions is by far the most complete system available for 3-D endodontics today, offering highly adaptive, less invasive treatment solutions with fewer files: Endo Done!

Learn more at www.fkg.ch/xpendo or visit the company’s booth (Hall 4.2, Booth J029–G028) at IDS.
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Visit us at the IDS Cologne and discover our products manufactured with the highest Swiss tradition.
IDS 2019, 12-16 March 2019, Koelnmesse - Cologne
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Visit us on the web at www.sswhitedental.com

Booth Number - Hall 4.2 Aisle L No: 098
“anaxdent is at the forefront of the 3-D printing revolution”

An interview with Andreas Kopietz, founder and CEO of German dental materials specialist anaxdent.

By Dental Tribune International

Mr Kopietz, one of the focus areas of IDS 2019 will be 3-D printing, which is considered a game changer in dentistry, according to the event organisers. What are your expectations for the show in this regard?

Yes, it will be a game changer and we are prepared. We share knowledge and information with our customers on all aspects of 3-D printing and enable them to transition their businesses from an analogue to a digital workflow where it makes sense. That will result in more consistent delivery of high-end dental appliances to the benefit of patients. It will also improve the profitability of their laboratories, which in turn enables sustainable dentistry in the long term. I want customers to leave in the knowledge that anaxdent is at the forefront of the 3-D printing revolution and they can rely on us, as always, to provide the best solutions and products for their laboratories.

Your company has recently signed a distribution agreement with the Silicon Valley-based digital 3-D manufacturing company Carbon. Could you please briefly comment on this?

Before we signed with Carbon, I travelled globally over the last three years to research and understand the best available 3-D printing options for our customers on which to base this decision. I see anaxdent and Carbon fitting with our ethos of best practices, best products—like our pink composite anaxgum that sits well in the workflow for the production of printed dentures. We believe that together we are offering anaxdent customers a 3-D printing solution using Carbon technology that is unrivalled.

In dentistry, new additive manufacturing technologies seem to be taking over from conventional milling technologies. What are the main differences between the two with regard to quality, price and application in dentistry, and are both still needed?

I believe there is a place for both technologies in the market, as no single technology has the capability of delivering custom-made medical devices across all dental indications. I foresee a hybrid approach in the future, in which laboratories will adopt new technologies to the benefit of workflow, consistency and improved patient care, while maintaining the critical knowledge and experience of dental technicians in delivering a unique, custom-made aesthetic medical device. Even if you have the best equipment, you need the skills of analogue techniques and the experience of a well-educated dental technician to make it happen.

One of the major topics in 3-D printing is printable material. How is anaxdent approaching this issue?

We are working with our key partners in the development of flowable printable materials that will cover a number of indications, and anaxdent is best positioned to deliver those solutions to the market as soon as they become available. Come and see us at our booth at IDS, where we will be demonstrating the first steps in our concept.

Andreas Kopietz, founder and CEO of anaxdent.

minalu’s tenth anniversary surprise

minalu.de is celebrating its tenth anniversary with special offers and a competition with thousands of prizes.

We identified the opportunities of online trading at an early stage, but wanted to be more than your run-of-the-mill online warehouse. We wanted to stand out from the crowd—with minalu and a special design in pink,” explained minilu.de CEO Veith Gärtner. “minalu soon found her way into the hearts of surgery and laboratory staff.” The concept, after all, was hard to resist: fast delivery of products from brand manufacturers at amazingly low prices.

Wide selection and expert training

Today, minilu.de offers one of the widest selections in a web shop. With more than 45,000 listed items, it serves customers in Germany, Austria and the Netherlands. Besides its store offering, it provides live webinars and video tutorials via the minilu Academy to enhance user expertise in daily practice.

Easy, faster ordering

Unveiling the latest coup of minilu.de, Gärtner said, “We’re going to roll out a user-friendly inventory control system, the minilu WaWi, in March 2019, which will make it easier to manage stock. It will let surgeries and laboratories keep an eye on their stock and manage it effortlessly.” minilu WaWi will simplify reordering as well, as the system uses consumption statistics to let users know when stock is low and suggests appropriate product orders. “Stocks can thus be replenished within the shortest space of time with the ease and speed customers expect from minilu.de,” emphasised Gärtner. In doing so, minilu WaWi helps to avoid material bottlenecks, saving time and money. You can also use the minilu WaWi system to record articles from other suppliers.

Online, thus always up to date

As the system is fully integrated into the minilu shop, no software needs to be installed at the surgery. Material due for removal or transfer can easily be scanned via a mobile app. The whole process is online, so everything is always up to date. Practical tutorials quickly teach users how to operate the system. This latest addition to minilu.de’s services demonstrates again that the company is deserving of its reputation as a friend of surgery and laboratory staff.
DIRECT SYSTEM

VENEER
OCCLUSION
POST & CORE
PEDIATRIC CROWN
COMPOSITE

CONVINCE YOURSELF AND TRY OUR PRODUCTS AT A LIVE HANDS-ON STATION AT THE EDELWEISS BOOTH.
WE ARE HAPPY TO WELCOME YOU AT HALL 11.3, STAND D068 – E069.
WWW.EDELWEISS-DENTISTRY.COM
The TBR Group is an international company with headquarters in Toulouse in France, the European capital for aeronautics. We have specialised in the design, manufacture and marketing of unique dental implant, aesthetic and equipment solutions for over 30 years. We aim to become an irreplaceable partner to dental professionals around the world and share the same ambitions—to offer patients the best possible functional and aesthetic restorations—and are here to support your services with high-quality products.

Providing dentists with the unique technology of the Z1 implant, we concentrate our effort on mutual benefit from its advantages, ensuring peace of mind and total confidence in the quality of their implant services.

Unlike other dental implants, which often involve several surgeries, the Z1 implant combines two无可挑剔 and biocompatible materials for better healing and long-term success of the treatment. The Z1 implant is placed in one procedure in the dental practice, thus protecting the patient’s gingiva. Only the Z1 offers an aesthetic, protective and long-lasting solution thanks to the ceramic at tissue level, which mimics the colour of the patient’s teeth—a benefit that patients understand and love!

For all these reasons, the Z1 is an unique as each patient’s smile!

Dentists can obtain more information at www.tbr.dental or during IDS in Hall 4.1, Booth A58.

The unique tissue level implants with zirconia collar

Z1—The unique tissue level implant with a zirconia collar

The philosophy of the Z1 is clear: it was specifically designed to suit the anatomy of every patient. It is the only tissue level implant that adapts selected materials—zirconia and titanium—to the surrounding tissue. Several generations of Z1 implants have succeeded each other with the same goal: to bring our users the highest-level technology, surgical protocols, clinical outcomes and cost-effectiveness. United around this incomparable game-changing technology, Z1 users can rapidly learn how to benefit from its advantages, ensuring peace of mind and total confidence in the quality of their implant services.

Focus on demanding materials and high quality

Since its establishment in 1925, German company EVE Ernst Vetter has developed into one of the leading providers of rotary polishing instruments. With over 100 employees, EVE offers both dentists and dental technicians a comprehensive range of grinding and polishing instruments with particular emphasis on high quality. These include demanding materials such as composites, ceramics, zirconia and lithium disilicate. In collaboration with leading material manufacturers, its range is under continual development. Under the slogan “Perfect surfaces”, EVE aims to further optimise the areas in which it has already excelled and to tap into new industrial segments. In addition, the company operates a certified quality management system for the development, production and sale of medical and industrial products. EVE products are available worldwide and are distributed via a network of experienced trade partners.

For more information, visit EVE at IDS (Hall 4.1, Booth A099) or www.eve-rotary.com.

TBR—A game-changing implant manufacturer

Prague, Czech Republic
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www.ROOTS-SUMMIT.com

25th company anniversary and new product highlights

This year, material specialist Eisenbacher Dentalwaren ED is celebrating its 25th anniversary and is highly motivated with regard to the future. The company is well known for its large selection of biocompatible non-precious metal alloys and product variants such as casting alloys, milling discs and cobalt-chromium powder. At IDS 2019, Eisenbacher will be presenting interesting new products in Hall 3.2 at Booth A030–C039, such as the zirconia Kera Zr-Disc product line, which consists of five different zirconia types, from opaque to aesthetic multilayer discs, and is complemented by matching colouring liquids in 16 harmonious shades for dipping frameworks and matching stains. Eisenbacher will be presenting a new soft milling cobalt-chromium sintered metal, Kera Soft-Disc, which has been especially designed for desktop milling machines and for use in standard sintered metal systems. Eisenbacher is a complete material supplier for CAD/CAM systems and traditional dental technology segments.

More information: www.eisenbacher.de

Eisenbacher Dentalwaren
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For over 100 years, Columbia Dentoform® has provided teaching solutions to dental students around the world. Now, we are looking to build partnerships with dealers to provide dental schools with innovative teaching aids for the next generation.

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- Our latest innovation, True Caries Teeth, provides a significant advancement in the teaching of caries identification and removal.

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Visit Hall 11.1
Stand: C008 to learn more

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Sterilising your delicate instruments in just 7 minutes is now possible

Over the past 20 years, low-temperature hydrogen peroxide plasma sterilisation has been used for sterilising heat-sensitive and extremely delicate medical devices, such as robotic surgery system components. This exclusive technology ensures maximum safety for healthcare professionals, patients and the environment. The sterilisation process by-products are non-toxic oxygen and steam. However, the large footprint and the high price of these sterilisers in particular have restricted their use to the most demanding hospital complexes.

After three years of continuous development and large-scale investment by internationally renowned technology partners, the Plasmapp—imported into Europe by Helvemed—has revolutionised the field of small sterilisers and introduced STERLINK to the market, along with its STERRPACK pouches and STERLOAD cartridges.

The low-temperature treatment provided by Plasmapp systems ensures gentle sterilisation even of the most delicate instruments, thereby extending their useful life and reducing the high costs associated with their maintenance and repair. Turbines and contra-angles can now be sterilised without steam. Helvemed has patented the technology even of the most delicate instruments and introduced STERLINK to the market, along with its STERRPACK pouches and STERLOAD cartridges. The low-temperature treatment provided by Plasmapp systems ensures gentle sterilisation even of the most delicate instruments, thereby extending their useful life and reducing the high costs associated with their maintenance and repair. Turbines and contra-angles can now be sterilised without steam.

Learn more at www.helvemed.com

A whiter smile starts with a CLICK

BlancOne CLICK introduces a new concept in tooth whitening, allowing—for the first time ever—the combination of dental hygiene sessions with effective tooth whitening. Owing to its unique and innovative photochemical technology, the BlancOne CLICK low-concentration bleaching gel (15 per cent carbamide peroxide) is activated in just ten minutes, and no protection needs to be applied.

BlancOne CLICK is easy, fast and effective, creates no sensitivity and is very cost-effective—only €10 per treatment for the dental clinic. It represents the perfect entry-level treatment to tooth whitening and is a powerful marketing tool for the dental office. It can be offered at the end of any procedure, avoiding the need to book a separate appointment, and allows the clinic to set up low-cost promotions to attract new patients.

For optimal long-term results, BlancOne has developed four strategies and additional treatments for whiter smiles:

1. Repeat treatment with CLICK every two to four months. It is very mild on enamel and most patients prefer paying for a low-cost (usually around €50) treatment multiple times per year.
2. Offer patients BlancOne Touch, which is similar to CLICK, but more intensive. Three applications are performed in one session for more shade improvements and a longer lasting result. You can repeat this once or twice a year.
3. Deliver immediate results in-office with CLICK. Afterwards, BlancOne Home can be used for follow-up. Available in both day (16 per cent carbamide peroxide) and night (10 per cent carbamide peroxide) versions. BlancOne Home offers a three-in-one treatment, re-mineralising enamel with hydroxyapatite and nourishing gingivae with hyaluronic acid.
4. BlancOne Xtra is a home-based maintenance programme that consists of BlancOne STICK, a tooth whitening pen (16 per cent carbamide peroxide), BlancOne DUOXXO, a set of two different tooth pastes providing intensive surface whitening and 360° care of enamel and soft tissue.

The range also includes BlancOne ULTRA, a high-concentration gel (35 per cent hydrogen peroxide) to treat discolorations such as tetracycline staining and teeth of a very dark shade.

Launched in Italy in 2016, BlancOne has quickly become the preferred choice of Italian dentists, dental hygienists and their patients, growing in sales 20 times faster than the rest of the Italian in-office tooth whitening market during the first half of 2018.

For more information, visit us at IDS (Hall 9.2, Booth 4A08-BO39) or www.blancone.eu/prs
Citrox: A closer look at Perio Plus+’ secret ingredient

Howard’s legacy

“During the Perio Plus+ project, I mostly worked with Howard. I always experienced the collaboration as very exciting, instructive and constructive,” Christoph says. “Howard had already studied a variety of Citrox’ features and applications, so needless to say, he had an incredible wealth of experience. I received three basic formulations for the mouthwash, the gel and the toothpaste from him, which I then expanded to a total of six recipes and adapted to meet our needs, such as creating a more pleasant taste. Also, the combination of Citrox and polylysine, another natural antibacterial, keeps Citrox in the mouth for a longer period of time and actively prevents irritation and tooth discolouration, two common side effects of purely chlorhexidine-based products. There is still a lot of Howard’s approach in the formula, if not mostly his, and his formulations are the basis for the entire Perio Plus+ range.”

A natural alternative

With a move towards more natural products in the market, Citrox sets a new gold standard. “The substance is sourced from bitter oranges, which people have been using as food for centuries,” Christoph explains. “This means that people have already gotten used to the ingredients and no side effects are expected.” As subsequent cytotoxicity studies have shown, this is exactly the case. What’s more, there seems to be no resistance to the product range, which makes the introduction of Citrox even more exciting, as it could theoretically limit the use of antibiotics and the rampant problem of antibiotic resistance.

“Citrox ticks all the boxes”

“Apart from being all-natural, organic and hypoallergenic, the beauty of Citrox is that it is very effective at killing bacteria at very low levels,” Richard says. “Citrox ticks all the boxes. Most importantly, it has the amazing ability to break down biofilm, the beginning of all oral disease.” As a result, Citrox, combined with chlorhexidine, is more effective than chlorhexidine on its own. Take plaque for example—bacteria hide in plaque. Citrox breaks down the biofilm and the remaining bacteria are left exposed to the chlorhexidine, which is why Perio Plus+ is more effective than any other antiseptic that only uses chlorhexidine. Or as Richard concludes: “It’s a double whammy.”

Visit Curaden during IDS in Hall 5.2 at Booth C050–F059 to learn, experience and taste more.
Miglionico—dental units of exceptional quality made in Italy!

The first manufacturer of dental units in southern Italy, Miglionico, was founded in 2000. Today, we sell dental units in over 40 countries worldwide. We work with high-quality materials such as polyurethane, glass, ceramic and stainless steel for maximum hygiene and durability. The units are made in Italy and the entire production process takes place within the company itself.

We aim to always find the best technological solutions in order to offer innovative products. Our NICE GLASS dental unit embodies the brand’s values of technology, safety and quality. The control keypads allow for the intuitive and safe handling of the unit. The operating space can easily be adjusted to individual needs, owing to the self-balancing arms with automatic locking and the possibility of choosing the type of back-rest. The ceramic cuspidor is removable and autoclavable and can be rotated 180° with a smart hydro case that slides comfortably open and closed. The unit is available in four configurations.

For further information, visit us in Hall 10.2 at Booth V032 at IDS 2019. Learn more at www.miglionico.eu

Phasor composite heating system

This patent-pending device is the first of its kind, using near-infrared technology to rapidly warm composite compules. At the touch of a button, Phasor is able to heat any composite material to 65.6 °C in under one minute, and sustain a constant temperature throughout the entire procedure, unlike conventional warmers. Materials remain highly sculptable, non-sticky and easily shaped.

Dentists are continually looking for innovations that improve patient outcomes while shortening chair time. Phasor addresses both of these. Firstly, heat significantly lowers the material viscosity, thereby improving adaptation and polymerisation, and reducing voids, microleakage and the risk of secondary caries. Secondly, improved depth of cure allows for larger incremental layers to be placed, providing higher degrees of enhanced procedural efficiency, including easier and quicker bulk fills and reduced curing times, saving valuable time overall. The lowered material viscosity also greatly reduces the hand pressure needed to extrude composite material, resulting in faster, ergonomic delivery.

Find out more by visiting us at IDS (Hall 11.3, Booth K029) or www.vista-dental.com, calling +1 877 418 4782 or e-mailing info@vista-dental.com

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Chris V., CDT

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Produits Dentaires to introduce new irrigation needle at IDS 2019

An interview with Marketing and Communication Director Alexandre Vieira about IrriFlex, a new-generation irrigation needle.

By Dental Tribune International

Produits Dentaires (FD), a family-owned company that has built a strong international brand synonymous with Swiss quality, will be launching new products and introducing its new digital corporate identity at IDS 2019. According to Marketing and Communications Director Alexandre Vieira, the event will mark the beginning of a new era for the company. One of the products that will be launched is IrriFlex, a new-generation irrigation needle that Vieira says performs powerfully and completely irrigates the root canal.

Produits Dentaires will be launching a number of products at IDS. The company’s R&D departments must have been busy leading up to the event.

Indeed, the team that has worked on these projects did a fantastic job. We are proud to announce that IDS will see the global unveiling and launch of five new products from PD. We will be introducing a new PD MTA for endodontic applications, a new range of PD gutta-percha points, EssenSeal, an exclusive paper points, a new range of PD gutta-percha points, EssenSeal, an exclusive root canal obturation sealer featuring tea tree essential oil (melaleuca), and IrriFlex, an innovative irrigation needle that will set a new standard in root canal irrigation.

IrriFlex is a new generation of irrigation needles designed to enable more effective cleaning and disinfection in root canal therapy owing to its unique flexibility and exceptional irrigation capabilities.

What is different about IrriFlex?
The IrriFlex needle solves a common problem for dentists: how to irrigate complex root canal systems completely and safely. Combining a soft polypropylene body with a unique lateral solution delivery, PD has designed a closed-ended 30 gauge needle that can easily adapt to the canal anatomy, irrigate efficiently and clean areas previously impossible to reach. The result is enhanced cleaning and irrigation, for a more efficient and comfortable treatment compared with conventional metal needles.

How does the needle perform in cleaning and irrigation, and what treatment benefits does it offer?

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Let’s focus on the IrriFlex needle. Can you tell us about its design?

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FD’s patented needle design encompasses two side vents, positioned back to back at the tip for powerful lateral irrigation, and the design has a tapered shape to match root canal preparations, unlike metal needles. The four per cent tapered design maximises the shearing stress along the root canal walls to improve mechanical cleaning efficacy.

The IrriFlex needle safely performs powerful and complete irrigation of the root canal to improve removal of residue—such as debris, smear layer and biofilm—in areas impossible to reach with conventional metal needles. The needles are made in Switzerland, produced in a clean room certified ISO 7, and delivered in individually sealed pouches designed for single-patient use, thus maximising safety. With this new needle, PD helps general dentists and specialists to perform root canal irrigation more efficiently, comfortably and safely.

What does IrriFlex tell us about the company’s growing portfolio?

IrriFlex is the cornerstone of our expansion strategy in the dental irrigation segment. Our expertise in the design and manufacture of plastic injection moulded parts has opened doors to new opportunities in R&D. We are exploring new concepts towards improved removal of hard and soft deposits from root canals.

IDS is now just around the corner. What else can readers expect to see at the PD booth?

IDS is an excellent opportunity for PD to meet with dental professionals and introduce new treatment concepts. We are delighted to offer free courses, provided by two experts, directly at our booth. On Wednesday, Thursday and Friday, Dr Ricardo Tonini of Italy and Dr Lucia Zaugg of Switzerland will be providing five daily lectures under the theme “Irrigation to obliteration and beyond—both clinical application and hands-on”. It will be an excellent opportunity for all participants to familiarise themselves with our new products and the MAP System, which is a big plus for professional obturation and repair therapies. Participants can register by sending an e-mail to info@pdsa.ch.

Secure and effective for dentist and patient.

With DENTILINE you can offer your patients beautiful smiles by using invisible and effective aligners. Send us your impressions and we will arrange the rest.

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We will demonstrate DENTILINE at IDS. Welcome!

Stand Hall 2.2
Aisle C Nr: 031
info@dentinor.com
dentinor.com

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IrriFlex is a new generation of irrigation needles designed to enable more effective cleaning and disinfection in root canal therapy owing to its unique flexibility and exceptional irrigation capabilities.

What is different about IrriFlex?
The IrriFlex needle solves a common problem for dentists: how to irrigate complex root canal systems completely and safely. Combining a soft polypropylene body with a unique lateral solution delivery, PD has designed a closed-ended 30 gauge needle that can easily adapt to the canal anatomy, irrigate efficiently and clean areas previously impossible to reach. The result is enhanced cleaning and irrigation, for a more efficient and comfortable treatment compared with conventional metal needles.

How does the needle perform in cleaning and irrigation, and what treatment benefits does it offer?

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Let’s focus on the IrriFlex needle. Can you tell us about its design?

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FD’s patented needle design encompasses two side vents, positioned back to back at the tip for powerful lateral irrigation, and the design has a tapered shape to match root canal preparations, unlike metal needles. The four per cent tapered design maximises the shearing stress along the root canal walls to improve mechanical cleaning efficacy.

The IrriFlex needle safely performs powerful and complete irrigation of the root canal to improve removal of residue—such as debris, smear layer and biofilm—in areas impossible to reach with conventional metal needles. The needles are made in Switzerland, produced in a clean room certified ISO 7, and delivered in individually sealed pouches designed for single-patient use, thus maximising safety. With this new needle, PD helps general dentists and specialists to perform root canal irrigation more efficiently, comfortably and safely.

What does IrriFlex tell us about the company’s growing portfolio?

IrriFlex is the cornerstone of our expansion strategy in the dental irrigation segment. Our expertise in the design and manufacture of plastic injection moulded parts has opened doors to new opportunities in R&D. We are exploring new concepts towards improved removal of hard and soft deposits from root canals.

IDS is now just around the corner. What else can readers expect to see at the PD booth?

IDS is an excellent opportunity for PD to meet with dental professionals and introduce new treatment concepts. We are delighted to offer free courses, provided by two experts, directly at our booth. On Wednesday, Thursday and Friday, Dr Ricardo Tonini of Italy and Dr Lucia Zaugg of Switzerland will be providing five daily lectures under the theme “Irrigation to obliteration and beyond—both clinical application and hands-on”. It will be an excellent opportunity for all participants to familiarise themselves with our new products and the MAP System, which is a big plus for professional obturation and repair therapies. Participants can register by sending an e-mail to info@pdsa.ch.

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Stand Hall 2.2
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The key factor in the development of periodontal disease is the presence of periodontal pathogens in the gingival pocket or in the peri-implant sulcus. A central element in the treatment of this disease, for which there are many different causes, is the subgingival removal of biofilm and calculus with simultaneous preservation of regenerative tissue. For decades, cleaning the periodontal pockets with hand instruments was regarded as the method of choice. This was often associated with great time and effort for the therapist, and the procedure was often painful for the patient. However, over time, an increasing number of dentists concluded that the invasive removal of calculus and inflamed tissue may actually hinder regeneration. This prompted the world of dentistry to seek alternative solutions. Sonic and ultrasonic instruments established themselves as an alternative to the classic hand instruments for gentler cleaning of the root surface without sharp instruments. The purpose was to achieve effective cleaning without harming regenerative tissue. Depending on the direction of oscillation, conventional sonic and ultrasonic instruments produce vibrations in removing deposits. This leads to irritation and loss of substance on the root surface. The introduction of the Vector principle by Dürr Dental in 1999 represented a real breakthrough and revolutionized periodontal therapy. The high standards of the three units available today (Vector Paro with Paro handpiece, Vector Scaler with Scaler handpiece and Vector Paro Pro with both handpieces) are the result of a unique history of development by Dürr Dental as a pioneer in the field of linear vibration deflection both in the past and in the future. Thanks to the 90° deflection of the ultrasonic vibrations, the instruments in the Vector series only move axially parallel to the root surface, which enables vibration-free and minimally invasive treatment. This allows clinically efficient andatraumatic treatment using ultrasonic energy. The linear direction of movement and the large selection of individually shaped instruments make it easier to work even in anatomically difficult to access areas. The tooth substance is preserved and the biofilm and hard deposits are removed thoroughly yet more gently than with any other system. Another advantage of the Vector method is that it gives therapists the option of using a polishing suspension with the rinsing fluid. The addition of this hydroxyapatite-based polishing suspension aids the removal of subgingival biofilm and smooths the root surface. The Vector Fluid polish specially developed for this purpose by Dürr Dental optimises the polishing and reduces hypersensitivity after the treatment by sealing the dentinal tubules, thus minimising the transmission of stimuli. In recent years, the Vector system has gained a firm place in periodontal maintenance. The unique technology is a reflection of Dürr Dental’s system-based approach, evident in all the divisions of the company, in keeping with its motto: “The best, by design.” The major anniversary of the Vector system this year not only stands for 20 years of successful periodontal therapy with a unique complete system for subgingival and supragingival applications, it is also a milestone for the further development of the system.

Learn more at www.duerrdental.com or visit the company’s booth (Hall 10.1, Booth E030–F039, F040–G041) at IDS.
In March, IDS opens its doors to exhibitors and dental professionals from all over the world. Dentists attending to gain an overview of the market for intraoral scanning and digital dentistry will experience a complete showcase of scanners. With this amount of diversity, how can a dentist navigate this rapidly developing marketplace? To help with this, 3DISC provides, from our experience, the top five selection criteria to keep in mind:

1. Technical features: Open architecture and the ability to scan in OBJ, STL and PLY offer the flexibility to work with any open-platform software. Overall accuracy and digital scan quality should also be considered.

2. The weight, size and ergonomics of the scanner impact its daily use.

3. The learning curve and ease of use are relevant for both time invested in each scan and training staff to operate the scanner.

4. The range of restorations your practice needs, and whether this requires an advanced or less advanced model should be considered.

5. The price model is key, as some solutions come with an additional data plan and ongoing costs, such as licence fees. With a one-time affordable payment, you can in effect redirect the cost for impression material to pay off part of your intraoral scanner investment.

Another way to gain more knowledge is to look for independent research in the field. Industry players often work with scientific teams who provide valuable independent research to both dentists and manufacturers. 3DISC recently joined a study in digital dentistry at Aarhus University’s Department of Dentistry and Oral Health to contribute to the research and gain important knowledge and feedback for the future development of our Heron IOS. The purpose and result of the study is to help general practitioners navigate in this field, by providing independent scientific research.

“We cooperate with many manufacturers of scanning devices, and we put all scanners through a standard test protocol, investigating different aspects of digital dentistry in prosthodontics,” Dr Yasser Haddadi of Aarhus University’s Department of Dentistry and Oral Health told 3DISC. “By testing the scanners clinically, as well as in laboratory settings, we gain and share that knowledge with manufacturers to improve and expand the digital field.”

So, don’t miss out on the new scanner solutions on display at IDS—there’s sure to be the right solution for you. At IDS, 3DISC is showcasing Heron IOS, one of the newest intraoral scanners on the market. A compact colour scanner weighing only 150 g, it is easy to use, ergonomic and available at a one-time affordable payment with no additional costs. If a reasonable price, ergonomics and simplicity in daily use form part of your selection criteria for an intraoral scanning solution, come by 3DISC’s booth at IDS for a demonstration and try the scanner yourself. The 3DISC team is standing ready to help you at Booth B010–C019 in Hall 2.1.

Check out the newest intraoral scanners, including 3DISC’s Heron IOS, at IDS

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