VATECH GOES GREEN CT

Dedicated to develop products that are beneficial for human health and the environment, dental manufacturer Vatech has been developing a sustainable manufacturing process that the it says reduces waste and pollution. Branded Green Innovation, the company has been designing and manufacturing equipment that are "low dose and low radiation".

After the successful market launch of the PaX-i3D Green in the US, devices are now manufactured and distributed under the Green CT brand. Along with this, Vatech is now introducing a new product range under the motto "low dose but with superior image quality".

With just 14.8 μm pixels, the intraoral sensor EzSensor Soft comes with "low dose and low radiation". According to the company, "low dose and low radiation". According to Vatech, Ez3D-i enables "quick" and "smart". With just 14.8 μm pixels, the intraoral sensor EzSensor Soft comes with "low dose and low radiation".

 Supporting the entire oral surgery process, the user intuitive Ez3D-i software with the (3D PAN) tab makes everything “Quick” and “Smart”. According to Vatech, Ez3D-i enables lingual-side diagnosis using volume panoramic programmes and supports effective exact location of a lesion in endodontic treatment whether it’s near the apical area or not. It also offers various modes to determine the exact bone density.

Only one click is needed for a region-of-interest (ROI) diagnosis, automatic double wrapping functionality for the sensor and storage that works with UV light and minimises the risks of infection. VATECH, KOREA www.vatech.co.kr/indsE Hall 4.1 Booth D909

INTRA-ORAL DEVICES FOR ALL PURPOSES

A leading market provider, the Italian company Brux offers a complete range of self-molding intraoral devices that are designed for specific needs. Developed to improve the quality of everyday life, they are recommended and used by dentists as an alternative to solutions commonly produced in dental practices.

Thanks to over thirty years’ experience in the field of dental devices, the company has developed high performance self-molding bites such as the Dr Brux self-molding bite tray to prevent the effects of night-time bruxism as well as the Dr Russ bite tray for preventing sleep apnoea and snoring. With i-Cleaner, Vatech also offers a disinfection & packaging machine with a ceramic coating and minimises the risks of infection.

According to the company, BiteSept is compatible with all plastic materials (silicone and EVA) and acrylic resins. The high quality standards are also reflected in the Private Label service that BRUX offers to the many companies seeking top high tech products that are 100 % Made in Italy. BRUX, ITALY www.brux.com Hall 11.2 Booth S052

KOHLER LAUNCHES INSTRUMENTS FOR MINIMALLY INVASIVE EXTRACTION

Two new production series will be presented by German dental instruments manufacturer Kohler this year. The TRINOVO profile handle made of PEEK, a high-performance plastic which has been utilized in medical technology for decades, are low-weight and offer stability and excellent resistance to any kind of cleaning and disinfectant products. Roasting an ergonomic design that makes treatment less tiring, TRINOVO handles are reliable and have a long life expectancy, the company said.

Equipped with TRINOVO, the new MINVALUX BLACK instruments for a Minimally INVASive LXation can be used to extract a tooth or root. They also allow to place an implant immediately afterwards, provided that the indications for this procedure are given. In such cases, the extraction should be performed asatraumatically as possible.

MINVALUX BLACK instruments with Sudent and a ceramic coating are produced with a single working end and have especially been designed for minimally invasive extraction surgery, making it a suitable instrument for this kind of procedure. Owing to their ceramic coating, the MINVALUX BLACK instruments are extremely durable and long-lasting. They also provide tremendous abrasion resistance and produce lower wear through a reduced friction factor. Notably improved corrosion resistance is facilitated by the microscopically smooth surface. With the anti-glare surface there are no more disturbing light reflections.

According to Kohler, MINVALUX BLACK instruments are also bio-compatible, tissue friendly and anti-allergenic. KOHLER MEDIZINTECHNIK, GERMANY www.kohler-medizintechnik.de Hall 10.2 Booth L029
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DEI SHOWS SYSTEM FOR PRODUCTION OF CARBON FIBRE PROSTHETIC STRUCTURES

Nowadays, carbon fibres are used in many industries, particularly in those where there is the need to have maximum performance with reduced weight. Owing to these characteristics carbon fibres also represent a new era in prosthetics. The creation of precise prosthetic structures, without retraction or expansions, strong and lightweight, and that could be carried out quickly in any dental laboratory without the aid of any space equipment, intelligent software, and external organisations, it was an aspect that many felt the lack.

With Dream Frame, the Italian manufacturer DEI wants to support dental technicians and to dentists in their work by offering high technology that offers great benefits, practicality and spare even costs.

The flexural strength of the fibre exceeds 250 GPa, which is significantly larger when compared to the forces occur in the oral cavity that are significantly larger when compared to the forces occur in the oral cavity. The resin used for impregnation of the fibres provides extraordinary strength. For use in the oral cavity it has been necessary to achieve a resin with high biocompatibility of natural origin that we called Dream Frame Bio Resin.

Owing to its strength, mechanics stability and micro-mechanical elasticity (shock absorption), Dream Frame provides an important option for manufacturing implant-prosthetic structures. Offers shock absorption which is very important for implant prosthodontics.

A result of newly developed technology, the resin used for impregnation of the fibres provides extraordinary strength. For use in the oral cavity it has been necessary to achieve a resin with high biocompatibility of natural origin that we called Dream Frame Bio Resin.

DEI, ITALY
www.deliaitalia.it
Hall 2.1 Booth A050

XO CARE PRESENTS XO DENTAL DIALOGUE AT IDS 2015

At the last IDS, the Danish family-owned manufacturer XO CARE from Denmark introduced XO VIP SHOW in a theater-like setting where a dental team and an XO manager presented “Extraordinary Dentistry”. This year the exhibition concept will reach next levels under the headline XO DENTAL DIALOGUE.

According to XO Care, the event will start with a brief introduction to value creation in dentistry. Next, the audience is asked to rank the importance of the presented issues in relation to their own experience. During the following minutes, the two top issues are treated more in depth in a dialogue between a reference dentist and the manufacturer.

Prior and after the performance the audience is invited to relax in the XO Lounge next to the “classroom” and maybe have a look at the new equipment and instrument solution from XO. There, XO Care CEO Kim Sørensen says his company and professional dental team share the same objective of constantly striving for the best work-solutions—in response to challenges and requirements of modern dentistry.

XO CARE, DENMARK
www.xo-care.com
Hall 10.2 Booth T008

EVE’S NEW POLISHER GENERATION OFFERS ONE SHAPE BUT MULTIPLE POSSIBILITIES

The first product line of a new polisher generation, Diacomp Plus TWIST from German manufacturer EVE offers various application benefits for an even easier polishing of all composite restorations. It comes in an innovative shape with flexible polishing spirals and is applied in two steps that have been adapted to each other for excellent polishing results.

The pre-polishing step reduces all surface defects and prepares it for the final polishing while the second step brings high shine to any composite surface, according to the company. Since only two polishers for all composite surfaces have to be applied, the polishing process is simplified and shortened considerably.

Key characteristic of Diacomp Plus is the unique flexibility. The polishing spirals adapt to any type of surface structure which makes it possible to polish all tooth surfaces equally well with just one shape. Even the polishing of the occlusion is considerably simplified, according to EVE.

For more flexibility, the Diacomp Plus TWIST are available in both diameters 10 mm and 14 mm.

An additional advantage that comes with the application of Diacomp Plus TWIST is the maintenance of the initial surface structure. After the modellation of the composite surface with a metal instrument, the polishing process with the flexible spirals does barely alter the created structure.

Dentists also appreciate the excellent durability of the polishing system. Even multiple sterilization cycles do not alter the effectiveness of Diacomp Plus TWIST, the company said.

EVE ERNST VETTER,
GERMANY
www.eve-rotary.com
Hall 10.1 Booth F041

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EVE ERNST VETTER,
GERMANY
www.eve-rotary.com
Hall 10.1 Booth F041
LASCOD PRESENTS ANOTHER EVOLUTION IN IMPRESSION TAKING

When the signatory Kromopan was introduced by Lascod it meant a breakthrough in dentistry owing to the chromatic phase indicator (purple = mixing, pink = tray loading, white = mouth insertion), that brought impression taking to another level. With the new Kromopan EDS, the company now takes another step forward and extends the dimensional stability dental impression during storage up to 168 hours.

While the high accuracy and elasticity clinicians remain unchanged, the material now sets extra quickly in the oral cavity allowing the perfect realisation of any prosthesis or functional intervention, the company said.

According to Lascod, Kromopan EDS offers performance which till now was believed to be unreachable. The company has been developing innovative solutions for over 60 years, earn recognition as a leading provider in dentistry.

LASCOD, ITALY
www.lascod.com
Hall 10.1
Booth C061

DENTIST CAN SAVE TIME WITH BIEN-AIR’S NEW HIGH-POWER TURBINE

In an effort to address the time constraints dentists face in their daily practices routine, Swiss medical technology company Bien-Air Dental has announced that it will launch, one of the industry’s most powerful turbines at IDS 2015. By facilitating faster dental procedures, the Tornado is aimed to have the most positive impact on the efficiency and profitability of dental clinics around the world. Quiet and powerful, it will be the perfect time-saving option for forward-thinking practices, according to the company.

Owing to a series of proprietary technologies, the Tornado delivers an outstanding power output of 30 Watts, which can be considered as one of the best in the industry.

“The Tornado sets a new benchmark in this category,” says Marco Gallina, Vice President of Marketing and Product Management for Bien-Air Dental. “It addresses the number one concern of the dentist, which is lack of time, while promising users one of the best in the industry.”

Watts, which can be considered as outstanding power output of 30.

The Tornado skillfully combines performance with exceptional comfort for clinician and the patient. It comes with a number of new features such as a revamped spray/illumination system and an improved bur-locking mechanism.

“These innovations are supposed to complement some of our long term proven technologies,” Gallina points out. “In order to guarantee superior durability, the Tornado is fitted with custom-designed ceramic ball bearings that are able of handling even the highest speed and heaviest loads.”

In addition to the launch at Cologne International Dental Show (IDS) in March 2015, the Tornado will be available in June in all countries where Bien-Air products are traded.

BIEN-AIR, SWITZERLAND
www.bienair.com
Hall 10.1 Booth H050

ITS—A FULL-RANGE DENTAL IMPLANT SYSTEM

The implant system by Italian manufacturer Implant Technology System provides customers with a variety of solutions that are able to satisfy all surgical and prosthetic variables required by dental professionals.

Their implant system can be configured with internal connection, external and conical connections. While the international connection provides for a better cosmetic result and improved stabilisation of the prosthetic abutment on individual elements as well as in aesthetic areas, the external connection is a simple and intuitive solution for multiple and total rehabilitations.

The real gem in the crown of the ITS implant prostheses range is the conical coupling with which clinicians achieve a prosthetic connection sealed from bacteria and with absolutely no micro movements.

All ITS system implants are also available with anatomic, cylindrical and trunk conical morphologies.

Implant Technology System says to provide its customers with a fast and flexible service. Ordered goods are usually delivered within 24 hours. The company also provides its partners and its customers with a technical advisory services as well as commercial pre- and post-sales service that support them from both the clinical side as well as technological issues and logistics.

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TECHOLE POST FROM ISASAN

Techole from Isasan is an empty post ready to be both filled by your composite and distribute it evenly from the bottom into the canal reducing no air bubbles and weakness points. According to the manufacturer Isasan, it is also at least 20% more resistant than standard posts.

Techole is available in small sizes only to avoid any interfering with the root canal preparation, and with the composite properties you are accustomed to, but also improving them by absorbing every not due stress.

Techole are easy to use the post with the connector (preassembled) to the composite mixing cannula syringe, inject composite up to flow over the surface and build up.

Composite free chuse, Rx opacity, gamma rays sterilized available both carbon and silica fiber.

ISASAN, ITALY
www.isasan.com
Hall 2.1 Booth B018

NEW COMPANY LAUNCH AT IDS 2015

In the age of globalization UBGEN is all this and is ready to launch its own challenge: keep investing in its clinical and scientific research activity to create up to date products in the field of tissue regeneration.

UBGEN srl - Padua Italy
+39 049 628630 / info@ubgen.com / ubgen.com

There are choices in life that can be done with closed eyes.

Innovation, competitiveness, reliability, the future of regeneration is here.

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Are you curious about us? Invest in change. Become our partner. We invite you to contact us for set an appointment with our export-manager at BOOTH: E048 F049 / HALL: 03.2

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Advancing Dentistry with Stratasys 3-D Printing

An interview with Avi Cohen, Director of Global Dental for 3-D Printing Pioneer, Stratasys Ltd.

What are the main demands from dental and orthodontic labs and how have these demands changed in recent years?

The dental industry is, by its very nature, fast paced and requires rapid turnaround. When patient care is directly affected by a technology, technicians will always look for innovations that can reduce time while improving quality and precision.

Dental technicians traditionally rely on steady hands and expert eyes to prepare crowns, bridges, etc., however, the traditional manual process is labor and time-consuming, subject to human errors and requires materials that do not typically provide the best durability or aesthetic appearance. By using 3-D printing, dentists are able to reduce the time it takes to produce a dental mould and accelerate treatment time, crucially having a direct and positive impact on patient care.

Using Stratasys PolyJet technology, featured in our Dental Series of 3-D printers, laboratories can print in ultra-fine 16 micron layers, dramatically increasing precision in comparison to traditional dental mould making. This avoids the need for patients to return to dental labs for corrective procedures and saves dentists both time and money.

Precision is always paramount in the dental industry and this remains a primary demand. In recent years, dental professionals have started to appreciate that digital dentistry is the new face of the industry. It is no longer a question ‘if’ they should implement it, but ‘when’.

Are you seeing more dental and orthodontics labs move to digital dentistry? What do you think the reasons are for this?

With the cost of laboratory work becoming a major factor in dental restoration planning and therapy, we are seeing an increase in the adoption of digital dentistry by dental labs. With an increased range of high-performance integral scanners and associated software now available on the market, more and more dental labs of all sizes are exploring and installing the level of technology that suits their company’s size and budget.

Most notably, this year we have seen an explosion of devices dedicated to digital imaging, impressioning and CAD/CAM fabrication of restorations—both chairside and in the lab. With the roll out of new systems, materials and capabilities over the coming year, many believe that more dentists will begin to see the technology as a viable alternative for their practices.

Forward-thinking dental and orthodontic labs are continually considering to improve their processes, reduce lengthy milling time and stay ahead of the competition. Engineered to meet the demanding production needs of mid-size dental labs and mid-to-large sized orthodontic labs, our newly launched Objet Eden260VDS Dental Advantage supersedes Stratasys’ popular Objet Eden260V Dental Advantage platform with new capabilities.

With labour costs as the main expense for dental and orthodontic labs, the Eden260VDS Dental Advantage addresses this by a greater level of automation. Printing is done in a click of a button and thanks to the water soluble support, cleaning of models is a fully automated process. A single lab technician can design, print and have all models cleaned with no further post process required. The reduced cost per model has a knock-on effect to the labour cost.

By combining oral scanning, CAD/CAM design and 3-D printing, dental labs can accurately and rapidly produce crowns, bridges, stone models and a range of orthodontic appliances. With a 3-D printer doing the hard work, dental labs eliminate the bottleneck of manual modelling.

We might look back at this year as the moment that dental laboratories passed the point of no return from a traditional manual workflow toward an all-digital design and manufacturing process. In many respects, digital dentistry is already here, with a growing number of laboratory owners incorporating it in some form into their strategic business models.

Thank you very much.

UBGEN PRESENTS A STEP FORWARD IN REGENERATION

Over the next 20 years, regenerative techniques will possibly allow to regrow lost tissue and organs of humans. Considered unattainable in many an aspect, the prospects for regeneration looks promising than ever and clinicians look forward to what can be achieved in the years to come.

In addition, it analyses perpetually what is published in international literature and actively promotes clinical experimentations and trials. This all adds to greater reliability and better predictability for the clinician, thus providing the best possible solution for the patient, the company said.

UBGEN, ITALY

www.ubgen.com

Hall 3.2 Booth E048