**BRUZIX SOLID ZIRCONIA MEETS AN ANTERIOR AESTHETIC CHALLENGE**

As the R&D department of Gidewell Laboratories refines its processes, as well as improving the material’s translucency, aesthetic continue to improve. Advancements to improve the aesthetic properties of Bruzix Solid Zirconia restorations were recently achieved as demonstrated in this case by Dr Michael C. Difolla, Newport Beach, Calif., USA.

While Gidewell does not suggest that dentists suddenly switch all of their anterior restorations to Bruzix crowns, they may want to consider using it for patients with parafunctional habits or old PFM, where an aesthetic improvement is essentially guaranteed, the company said.

During the first appointment, the PFM crowns on tooth #4 and #9 (Fig. 2) were removed with Bruzix Solid Zirconia crowns (Gidewell Laboratories). The shade was taken with the help of the VITA Easyshade Compact which displayed the shade in both VITA Classical and VITA 3D-Master shades. Next, the selected 3M 3D-Master shade tab was held to the tooth, along with the 1M1 3D-Master shade tab for contrast.

The shade tabs in the mouth were photographed. PPG gel was placed into the sulci of tooth #4 and #9 with an Ultradent syringe. Next, they were used to safely remove some tissue (Fig. 2), a 3V Microlaser was used to remove 1.5 mm of tissue. With the margins exposed, a #55-025 bur and KaVo ELECTронique handpiece was used to drop the margins to the new gingival level.

The dental assistant relined Bio-Temps Provisionals (Gidewell Laboratories) on tooth #4 and #9 with Luxatemp provisional material. Using a thin, perforated diamond disc, the gingival embrasures were opened to avoid any overlap. A second cord (Fig. 4a) was placed before refining the preparation.

As the top #2E cord on tooth #9 was packed, the top cord on tooth #9 exposed the margin (Fig. 3). Now finishing the prep began using a fine grit #55-025 bur.

Two modified ROXEO Compreps Anatomic composites were placed on the preps. Then the patient bit with medium pressure for 8–10 minutes. The Compreps were removed and the top cords pulled. For the impressions, medium body impression material was applied around the preparations with a syringe and a bite registration was taken. Then the temperatures were replaced.

During the third and final appointment, another two weeks later, the temps were off. The Bruzix crowns were approved and a layer of desensitizer was placed on the teeth (G5 All-Purpose Desensitizer). A warm Air-Tech Dryer was used after applying both coats of the G5, while the assistant placed 2 PRIME Plus inside the crowns. The crowns were then loaded with a non-modified glass ionomer cement (RelyX Luting Plus Automix) and seated, using a pinewood stick to ensure that they were fully seated and had the same length. In the “after” picture (Fig. 4b), there is no porosities in the Bruzix crowns.

### TRENDS IN DENTAL IMPLANTS

**A ‘SAFE AND SIMPLE’ IMPLANT SYSTEM**

Unrestoring and bacterial infiltration are known to be some of the major factors leading to implant failure. The S1 implant system manufactured and distributed by the Italian company Safe&Simple is supposed to eliminate the risks of breaking implants and bacterial infiltration by a perfectly sealed and stable abutment fixation connection.

A modular design, enabling the clinician to customize the prosthesis and adjust it to all needs through the use of standardised components, makes the system also extremely versatile and price competitive to other implant systems that are currently available on the market, the company said.

According to Safe&Simple, its S1 system is based on 15 years of research conducted in collaboration with universities in Modena and Reggio Emilia and was designed on the premises to make dental implanology “streamlined, innovative and non-invasive practice with definite results.”

The implants are currently available in three diameters and in three lengths.

They are indicated for immediate loading procedures, two-stage implant surgery as well as for partial and total-implantology.

The system also comes with a surgical guide, called Fly case, that uses a stereobographic model attached to the articulator.

Based in Pieve di Soligo on Northern Italy, Safe&Simple also offers regular and customised training courses in partnership with renown Italian dental schools and universities. Their implants will be on display during IDS in hall 10.2.

**SAFE&SIMPLE, ITALY**

www.safeandsimple.net

Hall 3.1 Booth H046
INTRODUCING

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Used Two Stripper® bur tip
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Low cost diode lasers have increasingly found their way into dental practices thanks to their versatility and easy handling. The Italian medical and dental products manufacturer Dental Medical Technologies (DMT) is now adding another sophisticated device to the market with its new all-purpose diode laser Giotto.

Named after the 12th century Italian painter Giotto di Bondone, the laser can be used for a wide range of dental procedures, according to the Milan-based company. Boasting an effective power of 7 watts, it combines reliability with high clinical efficacy, they said. Safety has also been improved through an interactive software with touch-screen functionality that guides the clinician and provides educational videos for up to 50 procedures that have been developed in cooperation with leading clinicians and institutions in the field of laser dentistry.

The company said it will offer the device for a net price of €3,900. The Giotto diode laser comes with a bleaching kit suitable for 12 applications, among other equipment. Visitors of IDS will be able to get hands on the company’s complete portfolio including DMT’s dual wavelength lasers Raffaello and Leonardo at its booth F058 in hall 10.1.

DMT, ITALY
www.dmt.biz
Hall 10.1 Booth F058

EasyFor says to offer full support to different customer needs as well as a number of training programmes that include Enterprise Content Management (ECM)—Basic & Advanced—for medical doctors and staff.

EasyFor implants
www.easyfor.it
Hall 11.3 Booth K060

EasyForimplants

Based on a treatment method developed by implant specialist Dr Bruno Forengo from Italy over twenty years ago, the EasyFor implant system will be on display to visitors at IDS at both K060 in hall 11.3.

Available in five different diameters and 10 lengths, the titanium-based implants of the EasyFor system boast a dual acidification sand-blasted surface that enhances long-term stability of hard and soft tissue for a beautiful, long-lasting smile.

The system allows immediate loading as well as minimally invasive implant surgery through a surgical guide. It also features a conical connection that allows platform switching. This is supposed to provides an antibacterial seal and prevent the occurrence of implant-abutment micro-motion.

According to the company, the system was developed with a biological and biomechanical approach in mind and is based on yearslong experience from specialists in the industry.

Available with the same name since 2010, it aims to provide clinicians with cutting-edge products that are safe, reliable and easy to use in prosthetic implant rehabilitation procedures.

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EasyFor, ITALY
www.easyfor.it
Hall 11.3 Booth K060

EasyForimplants

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- Metal free solution
- Precise patient specific dentures

**Dental lab benefits**
- State of the art denture material
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Find out more by visiting us or our certified partners at IDS 2013:

- **JUVORA™**
  - IDS 2013: Hall 4.1 Stand D018
  - www.juvoradental.com

- **core3d centres**
  - IDS 2013: Hall 4.1 Stand D030
  - Hall 4.2 Stand J018

ITALY’S ANSWER TO LOW COST DIODE LASERS

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DMT, ITALY
www.dmt.biz
Hall 10.1 Booth F058
CRANEX NOVUS E

The next generation of CRANEX Novus E provides excellent image quality with extended imaging values as well as enhanced operation with the ClearTouch control panel. According to the manufacturer SORDEX, a part of the Finnish PainDex Group, the system was designed for fast operation at maximum efficiency as well as an easy workflow.

With a 9-second adult panoramic exposure time, the exposure of patients has been minimised and the potential for movement artefacts has been reduced; the company said. In addition, the new SORDEX 5-point patient stabilisation system guarantees accuracy and reliable patient positioning.

Operating worldwide, SORDEX says to offer quality imaging systems of true diagnostic value, which are based on an in-depth understanding of daily practice.

SORDEX PALODEX GROUP, FINLAND
www.sor dexes.com
Hall 11.2 Booth N060

AN "ALL-IN-ONE" IMPLANT SOLUTION

The Easy Grip line from T.F.I. System was designed for the purpose of providing dental professionals with everything that is needed for a standard clinical implant solution, according to the Swiss-Italian dental implant manufacturer.

All threaded implants of its Easy Grip line come in an "all-in-one" kit containing an implant, which is mounted over the original transfer system that engages the head of the implant at 90° for easy insertion even when operational space is limited, a union and connecting screw, as well as a mounter or as a screw.

According to T.F.I., its EasyGrip implants are receiving state-of-the-art surface treatment for high corrosion protection that includes sandblasting, etching and plasma glow discharging. Quality controls on the implants and its individual components are performed during every step of the production process, the company said. Infection control requirements are also being met by the kit’s package using a double blister.

The company, which is based in Rome, says that simplification of the surgical protocol, functionality and technical innovation are the cornerstones of its business. T.F.I. has been developing implants since 1994.

T.F.I. SYSTEM, ITALY
www.tifisystem.it
Hall 3.2 Booth D068

LAB QUALITY TOOLS NOW AVAILABLE FOR DENTISTS

Processing using zirconium oxide has evolved from being a niche concept to one of the most common techniques to have ever been developed for dentistry. Probably more than ever, clinicians now need to have the right tools for preventing the formation of surface micro-cracks and for achieving the best results for their patients.

With DIACERAM, EVE Ernst Vetter already introduced a specialised polishing system based on zirconium oxide and specifically developed for these challenges at IDS 2007. The system has been providing outstanding quality and safety required by dental labs for years. At IDS 2013, this line is now also becoming available for dental practice in order to provide dental clinicians with a safe option to perform necessary adjustments professionally.

The polishing of lithium disilicate ceramics also come with particular challenges as its unique design and micro-phenological structure require specially adapted material compositions.

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SUNI’S DIGITAL X-RAY SENSORS

At its ISO-certified facility in San Jose, CA, in the USA, Suni Medical imaging manufactures two lines of digital X-ray sensors, the flagship SuniRay sensor and the Dr-Suni Plus sensor. This award-winning product line has propelled the company to a leadership position within the digital dental industry.

According to Suni, the SuniRay digital X-ray sensor offers high flexibility owing to an integrated USB module and a powerful software package that allows Windows-based practitioners to use it with any practice management system. It has rounded corners for increased patient comfort and is available in two sizes for different anatomical requirements. Independent third-party studies have also shown that SuniRay uses the lowest amount of radiation as compared to competitive systems—to produce a true, diagnostic quality image.

Recent improvements to the Dr SuniPlus have resulted in high ratings in the robustness category making the sensor one of the most durable products available on the market today. Since its creation in 1995, Suni Medical Imaging has gained a leading position in the digital radiography market, pioneering the development of digital sensor technology for dental clinical applications, and is best known for designing and manufacturing sensors for many of the early leaders in this field. In 2002, however, the company added its own brand of high quality sensors and introduced sensors to its product portfolio. Suni says that its corporate culture is built on three basic principles—technology, innovation, and exceptional customer service.

SUNI MEDICAL IMAGING, USA
www.suni.com
Hall 4.2 Booth K060

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www.sor dexes.com
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SORDEX PALODEX GROUP, FINLAND
www.sor dexes.com
Hall 11.2 Booth N060
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Das Röntgengerät X-ERA SMART vereint Technologie und Innovation auf eindrucksvolle Weise. Es erlaubt sowohl 2D als auch 3D Bildbearbeitung. Maximaler Bedienungskomfort und Effektivität wird durch einen großen Touchscreen, eine übersichtliche und bedienerfreundliche Struktur für ein schnelles und fehlerfreies Arbeiten erreicht.

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TEMPORIS® DPRS® (Digital Provisional Restoration System®) consists of a patented additive manufacturing process and a bio-compatible materials proprietary portfolio, perfectly compatible with the majority of Intraoral Scanners and open CAD/CAM solutions available in the dental field. Available in different shades, they can be trimmed, shaped, polished and layered using light curable composites. The core of DWS Srl project is to innovate the manufacturing process in order to make prototyping and production faster and more flexible. DigitalWax® systems are sold in 42 countries around the world and provide companies with the latest Additive Manufacturing technology for the creation of high quality and accurate models, thus drastically reducing manual finishing operations and production costs.
AMD LASER’S diode laser Picasso Lite was launched to dental practitioners in 2009 when it was launched. In three short years its popularity has skyrocketed, according to President and Founder of AMD, Paul Vanetti. 

"We gave doctors what they asked for, an affordable dental laser for soft tissues that was easy to use and had world class training support,” he said. “Picasso Lite delivered what no other laser could and continues to be the top pick against new lasers that are on the market.”

In the June 2012 report, Picasso laser technology was compared against other current diodes in the market. Clinicians Report (CR), an independent, non-profit, dental education and product testing foundation, concluded that: “Picasso Lite has a good combination of features, ease of use, low cost, and is a valuable adjunct for soft tissue surgery and hemostasis”.

Picasso Lite was awarded an Excellent- Good rating overall with top ratings in several categories, including hand piece and cord, simple controls, and has most affordable disposable tips amongst eight healing brands. According to CR, 73 per cent of clinicians surveyed would recommend a laser and 80 per cent felt it was a good investment.

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Clinicians Report (CR) is the most highly respected global testing facility for dental products and is the go-to report used by the majority of clinicians looking to make educated product purchases.”

Based in Tulsa, OK, in the US, AMD LASERS is an internationally recognized market leader in dental laser technology and education. Since 2011, the company belongs to the DENTSPLY International Group.
One abutment connection for all our implants

Reduced cost of storage

Always a user friendly system

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All-in-One package
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- mounter/abutment
- cover screw
- connecting screw

A complete system for the price of one implant

Complete implant line
Three morphologies with prosthetic solutions for all your needs

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Cylindrical morphology is also available with a screwless connection, protected by a specific patent

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Easy Grip® All solutions in one

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Halle/hall 3.2, Stand 068
JUVORA introduces the JUVORA Dental Disc, the first non-metal implant supported superstructure and implant supported superstructures, the JUVORA Dental Disc uses only the purest biomaterial sourced from the market leading provider of PEEKOPTIMA biomaterials, Invivo®.

“JUVORA has allowed high performance polymers to enter the automated routes,” said Joerg Schlegel, JUVORA Sales Leader. “We understand the changing needs of the dental industry and it is through the use of the JUVORA Dental Disc that dental labs and dentists can take advantage of greater design freedom, flexibility and accuracy,” he added.

JUVORA LAUNCHES NEXT GENERATION OF DENTURE MATERIAL AT IDS

JUVORA, a dental innovations company, has announced that the next generation of denture material will be on display at this year’s IDS. Their JUVORA Dental Disc is the first approved high performance polymer device that allows the CAD/CAM of a removable denture framework from a non-metal.

Intended for use in telescopic attachments, precision attachments and complex frameworks, the JUVORA Dental Disc uses only the purest biomaterial sourced from the market leading provider of PEEKOPTIMA biomaterials, Invivo®.

The material also offers an elastic modulus similar to bone and a high strength to weight ratio for increased flexibility in both denture design and fabrication. Other benefits include a high resistance to wear, abrasion and corrosion and X-ray transparency (which allows clinical diagnostics and treatment to be made through the denture without the need for screw fix denture removal or replacement).

“The JUVORA Dental Disc offers significant benefits for patients as both the design and material properties of the device enable the manufacture of precise, lightweight and comfortable non-metal removable dentures,” said Marcus Jarman-Smith, JUVORA Technology Leader.

Compared to traditional metal casting methods, which are labour intensive with lengthy production times, the JUVORA Dental Disc is specifically designed to take advantage of CAD/CAM manufacturing and design of removable dentures. By allowing removable dentures to be manufactured using digital processes, the JUVORA Dental Disc provides dental labs with a faster production route, reduced labour requirements, improved denture accuracy and reproducibility. Patients, therefore, will receive a removable denture that is more comfortable because it has been precisely customised and accurately manufactured.

“For the first time, JUVORA has approved high performance polymers for industrial automation,” said Joerg Schlegel, JUVORA Sales Leader. “We understand the changing needs of the dental industry and it is through the use of the JUVORA Dental Disc that dental labs and dentists can take advantage of greater design freedom, flexibility and accuracy,” he added.

JUVORA, UNITED KINGDOM

www.juvoradental.com

Hall 4.1 Booth D018

OPTICAL MEASURING MACHINES BY VICI VISION 
TO IMPROVE DENTAL IMPLANT PRODUCTION

Implants are high precision medical devices that require constant quality controls during the manufacturing process. They are used to provide implant manufacturers and other industries with a reliable tool to precisely measure micromechanical components, the Italian company Vic Vision is offering an optical measuring machine that allows operators to use their CNC at an optimum by taking dimensional measurements like diameter, length and angle onsite, right next to the CNC lathe.

With the MTL X5, external dimensional controls can be carried out in a single cycle that only lasts a few seconds, according to the Italian company. The system, which works as an enlarger, is easy to use for any operator and allows to pass from one batch to another with one mouse click. Machine parameters can be set with MTL X5 before values are out of tolerance to prevent wrong measurements. Furthermore, all data can be collected for statistical controls as well as for producing control certificates that are required to have for quality assurance in different markets.

With the MTL X5 the quality of dental implants can be significantly improved and machine downtimes reduced, which are key advantages in the current challenging market environment. During IDS, the machine will be on display at Vic’s booth in hall 2.2.

The company, based in Santarcangelo di Romagna near Rimini, Italy, has been manufacturing vision systems and industrial automation solutions since the late 1970s.

VICI VISION, ITALY

www.vici.it

Hall 2.2 Booth C011
**Giotto**
Diode Laser 7 Watt
the cheapest Laser of the market
€ 3.900,00

**Raffaello**
Diode Laser 7 Watt
Dental application with double wavelength for Biostimulation.
The unique diode laser with video procedure inside.

**Leonardo**
Diode Laser 30 Watt
medical application with double wavelength dermatologic and aesthetic use

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www.dmt.biz - info@dmt.biz
A sophisticated novel device for the detection of oral pathologies including oral cancer will be on display from DentalEZ at the upcoming IDS in Cologne. According to the IDS dental group, the Identafi is able to detect biochemical and morphological changes in the cells of the mouth, throat, tongue, and tonsils. The small cordless handheld device uses a three-wavelength optical illumination and visualization system that allows dental professionals to identify oral mucosal abnormalities not visible to the naked eye, they said.

DentalEZ acquired the Identafi technology from biomedical and bio-optics provider Trimetis in early 2011. Along with the device, the company is offering a number of continuing education courses, educational seminars, and online resources geared toward educating dental professionals on the specific use of the Identafi and oral cancer in general.

“We are extremely pleased to provide dental professionals with a device that can help them detect abnormal pathologies in its early stages, and possibly save lives,” remarked Randy Arner, Vice President of Marketing for DentalEZ Group. “Because the signs and symptoms of oral cancer are often missed by the naked eye, Identafi technology enables dental professionals on the front line of oral cancer detection do just that—identify changes in the mouth that may be a sign of something more serious.”

This effective and affordable device aids in the early detection of oral cancer, which has reached epidemic levels, due in part to the lack of effective, broad-based early detection programmes,” remarked Gordon Hagler, President and CEO. “In addition, to our full line of dental equipment, handpieces, utility room equipment, and dental lab products, our newest offering enables us to proudly promote the evolution towards a more clinical product mix from DentalEZ.”

Comprising six product brands, the group manufactures a wide range of dental equipment including handpieces, dental chairs, vacuum systems and dental simulation models.

DENTAL MATERIALS LAUNCHED BY LASCOD

A reliable partner for dental laboratories and users of products making use of the latest CAD/CAM systems, the Italian company Lascod is going to bring a number of new products and dental materials to this year’s International Dental Show. Among them will be Oklurest, a 90 Shore A silicone for the purpose of embrasure gaps and internalAisle, an innovative new dental cement with unique properties that distinguishes it from conventional products. Lascod’s other new product for this year will be a special silicone compound for capturing impressions in the Airway mode, one of three modes, the device is supposed to complete the company’s market-proven range of SOPRO imaging devices that include internationally recognised products such as SOPRO 617, SOPRO 717 fast, and SOPROLIFE.

According to the company, the new camera uses light induced auto-fluorescence for improved assessment of a patient’s oral health and for the early recognition of dental diseases like periodontitis. In PERIOD mode, one of three modes, the device is able to highlight gingival inflammation as well as old and new dental plaque. In addition, enamel defects from stage 1 (ICDAS II) can be detected (CARIO mode) as well as the stability of micro lesions and their progression monitored (DAYLIGHT mode).

Actiono said that the new device is minimal invasive compared to conventional methods of diagnosis and enhances communication through the fact that results of the clinical assessment can immediately be documented to and discussed with the patient.

ACTEON GROUP, FRANCE www.aequoran.com Hall 10.2 Booth D068
BECOME A DENTAL LASER SPECIALIST

Led by Prof. Dr. Norbert Gutknecht, the AALZ has been providing the M.Sc. in Lasers in Dentistry since 2004. The M.Sc. programme was developed in order to enable dentists to specialize in a full range of laser therapies.

INTERNATIONAL COOPERATION

The education provided by AALZ at RWTH Aachen International Academy is affiliated with numerous universities worldwide. Also recognized and accredited in Germany, the EU, and countries that are signatories to the Washington Accord.

QUALITY LASER EDUCATION

The AALZ also provides three-hour introductory courses, full-day wavelength workshops, laser safety classes, and other types of laser education. Visit www.aalz.de for upcoming courses & dates.

Become one of the first Dental Laser Specialists in the world!

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Visit us at BIOLASE Stand in Hall 4.2 N060
BE AMAZED BY WATERLASE

The WaterLase iPlus dental laser is simply amazing. It is our most powerful, versatile and faster WaterLase yet. But don't take our word for it! See the WaterLase iPlus in action at BIOLASE Stand N060 in Hall 4.2!

**BREAKS THE SPEED BARRIER**
- Cuts enamel as fast as a high speed drill
- Pulses up to 100 Hz for versatility with hard/soft tissue
- Patented technology delivers up to 600 mJ/pulse

**LARGE TOUCH SCREEN**
- Vivid, illustrated procedural pre-sets and user guide
- Save up to 9 frequently used settings
- Flexible individual settings for advanced users

**EXPANDS CLINICAL CAPABILITIES**
- New "radial firing" tips for perio and endo applications
- No micro-fractures or thermal damage
- Wide range of clinical accessories for many uses

**iLASE 940nm DOCKING STATION**
- Adds dual wavelength convenience
- First totally wireless diode laser
- Battery operated with finger operation

See WaterLase iPlus in action at BIOLASE Stand in Hall 4.2 N060 or visit www.biolase.com to learn more!
Introducing the all-new EPIC diode laser from the world leader in dental lasers. With new ComfortPulse settings and surgical handpieces, EPIC is ideal for surgery, perio and more. Plus, EPIC has 10 watts of power for Laser Whitening and Pain Therapy.  

**EPIC 10 is the Total Diode, Elevated.**

**Enter to Win an EPIC at the BIOLASE Stand in Hall 4.2 N060**
The iLase™
Diode Laser
from BIOLASE.
(Actual Size)

No foot pedal, power cord
or external controls.

Visit us at BIOLASE Stand in Hall 4.2 N060
In recent years, the Swiss dental manufacturer Vanetti has increasingly expanded its reach into international dental markets. Originally sold primarily in Switzerland and Italy, its Dia Tessin branded surgical instruments are now available to dentists and dental surgeons in almost 50 markets in Europe, North and South America, the Middle East and Asia.

Vanetti promotes its products actively through its participation at international trade fairs, such as the upcoming International Dental Show in Cologne, as well as through other marketing efforts. Based in Gordevio in the heart of the Maggia Valley, the company has been run by members of the Vanetti family since the late 1990s. In the mid 1990s, the company was transformed into a limited company by the current CEO and son of the company founder Fabio Vanetti.

According to the company, success is based not only on the production and distribution of high-quality products but also on short delivery times and excellent customer service.

In order to achieve this, the company has set up production and rationalization of its manufacturing processes to a maximum despite its small staff of eight in the company’s headquarters, who make sure that products do not only have the quality that customers demand but also offer competitive prices.

More information about the company and its products are available on its website as well as its booth in Hall 3.2. At IDS 2013, Vanetti will be showcasing their new SUM3D Dental, a high productivity CAM application for the dental field. Dental labs, who are looking for the best technological solutions to improve efficiency and quality of production process, can take advantage of the huge-CAM experience of VIMTEC to guarantee the production of precise items, in line with the end user’s dentistry best expectations.

The first step of the process involves the acquisition of the geometry: whether it is a denture, implant or implant impression, the file is imported into SUM3D Dental which can acquire the geometry defined by an ASTM, as well as those obtained from 3D scanning or processed by dental CAD. This flexibility allows to work with various clients without being tied to specific formats. The definition of the best CAM work cycle is fully guided by SUM3D Dental which recognizes automatically the item and, depending on the type and shape of the component to be implemented, predisposes the machining, by resting the pieces on the basis to work accordingly to the path specifications and parameters chosen by the operator.

The accuracy of the machining is attributed to the potential of the milling centre and to the support of software functions that, according to the type of material and the required characteristics of finish, make it possible to automatically identify the machining type and parameters. Thanks to the functionality of SUM3D Dental, it is possible to automate and simplify the operations even when working with high resistance materials. Whether it is titanium, cobalt-chrome, zirconia or lithium disilicate, it is possible to easily define the most suitable parameters for each CAM machining, taking into account the physical behaviour and with removal due to the material, thus ensuring a high degree of precision and surface quality for all final products.

The automations offered by the system facilitate the setting up of machining without the need of specific operator’s experience, even if the flexibility of the software allows a skilled user to implement personalized choices based on the criteria established by experience or by particular circumstances.

The operational simplicity meets the needs of an industry which is used to a complex computer technology with SUM3D Dental the operator can split the work and benefit from the strategies suggested from time to time by the software. It is possible to store, in specific libraries, custom procedures together with machine tools and machining parameters’ customizations.

The dental world is characterized by procedures that are treated subjectively and the automation with SUM3D Dental means the need to standardize these procedures with respect to the specifications of manufacturing, with the possibility for the operator to use their experience in these procedures in a personalized way and with maximum flexibility when needed. The immediacy of the software and its ease of use allow the operator to reduce the learning curve and quickly achieve the highest levels of productivity.

CIMSystem’s technical assistance provides a working relationship that not only achieves current issues but also nourishes, through requests and suggestions, the continuous innovation that makes SUM3D Dental constantly updated with respect to the machine technology and the market needs.

CIMSYSTEM, ITALY
www.cimsystem.com
Hall 3.2 Booth G069
An event as large as the IDS gives exhibitors the opportunity to present their latest innovations. It also brings a large number of manufacturers and users together for a few days which makes it an ideal forum not only for exchanging useful tips with others but also for discussing mounting issues such as counterfeiting in dental manufacturing.

One of the topics Sulzer Mixpac will be addressing at its booth in hall 3.2 is the hazards copied in such a convincing way that makes it impossible to clearly identify originals solely on the basis of the shape or the colour of the mixing tips. Therefore, it is important to know how to distinguish the originals from the copies, it stated.

Just recently, Sulzer filed a lawsuit in the US District Court for the Southern District of New York against dental materials manufacturer Spident USA and its Korean supplier, as well as an International Safety Products DBA (Dental) in the US for having violated its trademark and patent rights at the 2012 Greater New York Dental Meeting.

Sulzer Mixpac is attending the International Dental Show for the first time this year. Visitors are invited to visit its booth in hall 3.2 and pick up a free Sulzer Mixpac stress ball.

**SULZER MIXPAC TO ATTEND AT IDS FOR THE FIRST TIME**

**INTRA-ORAL WELDING TO IMPROVE IMPLANT SURGERY OUTCOMES**

Recent studies have demonstrated that it is possible to successfully rehabilitate the edentulous atrophic maxilla with a fixed, definitive restoration supported by an intra- orally welded titanium framework that is attached to axial and tilted implants on the same implant surgery. The relatively new concept is based on fusion, also called “Syn-crytallization”, a process characterized by the union of two metallic surfaces through the sharing of atoms forming a crystal lattice in the welding spot.

According to International Implant Company, the Verona company behind the concept, this rigid fixation reduces the mechanical stress exerted on each implant and prevents the risk of micromovements in relation to surrounding bone which has a significant impact on the peri-implant tissue responses during immediate implant loading.

Owing to this immobility of the implant, treatment time for immediate implantation at stage one surgery and costs can be reduced while resistance and durability of the prosthetic frame work can be improved, the company said.

The fusion is achieved through the use of the L.O.W. device which applies mechanical pressure and an electrical current simultaneous up to the core fusion. Visual and acoustic signals are indicating when the welding process is performed and concluded.

The device offers a user-friendly LCD-TFT touchscreens display and customizable settings for the welder power. The fusion clamp is autoclavable.

**INTRA-ORAL WELDING TO IMPROVE IMPLANT SURGERY OUTCOMES**

**INTERNATIONAL IMPLANT COMPANY, ITALY**

**US COMPANY BEUTLICH PITCHES AT IDS**

Beutlich Pharmaceuticals has introduced into the medical and dental market over 40 years ago, dentists and medical professionals around the world have built better practices by easing their patients’ pain, according to the manufacturer Beutlich Pharmaceuticals. The company also states that its topical anaesthetic containing 20% Benzocaine was the first of its kind, and remains the highest quality choice in the dental and medical marketplaces.

Beutlich’s latest addition to its top product line is HurriCaine ONE, a non-aerosol unit dose topical anesthetic spray that is said to virtually eliminates adverse events resulting from preventable medication errors.

The company now offers additional premium products that are supposed to address challenges in oral and medical health care, such as the HurriReal dentin desensitizer, HurriView and HurriView II plaque disclosing, Snap-n-Go Swabs, Beutlich pH paper, HurriPAK periodontal anaesthetic starter kit, as well as CED290 luxuriant augmentation and Peritin C Veterans supplements.

Beutlich Pharmaceuticals has launched a high number of effective dental and medical products for pain management and preventative care since 1954. The products of the company’s family-owned business are distributed in North American markets and around the globe. They will be on display at this year’s International Dental Show in Cologne.

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