Sulzer Mixpac 1 ml system delivers big on flexibility

By Sulzer Mixpac Staff

Sulzer Mixpac has developed a new one-component system for hygienic dental applications: the 1 ml system. The product has a standard Luer Lock, which provides a highly secure connection because of its screw-thread design. And it comes with three different, bendable and rotatable cannulas.

The company reports that its 1 ml application system has an innovative, flexible cannula, which is available in three different gauges: 18, 20 and 22. "The cannula on our Luer Lock tips is 360-degree rotatable and can be bent up to 180 degrees without reducing the inner diameter and material flow. The coating of low-viscosity to gel materials in difficult clinical situations," said Anja Stouテン, the company’s head of product marketing.

The metal cannula is rounded by a biotolerant finishing process. Because of this special surface treatment, the metal is deburred, and therefore the cannula is optically and safely applied on the patient, according to the company. For the production of the 1 ml system, only high-quality, FDA-listed materials are used. This is the case for the plastic materials as well as for the medical stainless steel of the cannula.

The application process is described by the company as being “intuitive.”

The ergonomic design of the 1 ml cartridge ensures a stable and precise application. The coated silicone O-ring facilitates application and reliably seals the system. The cartridges are available in white, black and transparent and thus suitable for different dental materials.

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Speakers announced for Dental 3D University 2017

KaVo Kerr will host its third annual Dental 3D University (3DU), featuring imaging solutions from KaVo®, Instrumentarium™ and Gendex™. The two-day event, Sept. 29-30 in Dallas, offers dental professionals an educational environment dedicated to core bearers of 3-D (CBCT) solutions.

The event offers dentists, staff and dental students the opportunity to earn up to 13 C.E. credits from sessions on incorporating 3-D into your practice and maximizing its investment, implant planning with 3-D and surgical guides, reading 3-D scans and more, presented by experts such as Dr. Louis Shuman, Dr. Kevin Aminzadeh, Dr. Douglas Chenin, Dr. Lou Graham, Dr. Dwoskar Kinra, Dr. Lisa Koenig, Christine Taxin, Dr. Terry Work, Dr. Gy Yatros, Laura Howerton, RDH, and Art Curley.

"Being the go-to partner for dentists means offering more than just a stellar product — it’s an expression of our commitment to the dental team — wanting them to be educated and empowered to use state-of-the-art technology in delivering optimal care and outcomes,” said Pankaj Jagg, senior director, marketing, for KaVo Kerr Imaging. “We are excited to present a program that will offer tips dentists can put into use right away, as well as concepts that will benefit them in long-term strategizing for the dental practice.”

The venue for 3DU, 20 minutes north of downtown Dallas, is the Omni Frisco Hotel. Just outside is entertainment and shopping at The Star, the new social hub of Frisco and home of the Dallas Cowboys. Hotel arrangements made by Aug. 31 can qualify for the 3DU special rate. Register at www.Dental3DU.com.

(Source: KaVo Kerr)

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Restorative can be used for virtually any indication in the mouth

By Glidewell Laboratories Staff

Obsidian® lithium silicate ceramic is a state-of-the-art restorative material that can be used for ceramic fused to metal, all-ceramic and chairside-milled cases. According to the company, this versatility enables clinicians to prescribe a single material for virtually any indication in the mouth. A simplified workflow can ensue because using Obsidian can facilitate a cohesive appearance across the arch, even when the oral situation demands multiple types of restorations.

According to Glidewell, Obsidian offers more than four times the flexural strength and twice the chip resistance as traditional feldspathic porcelain. Furthermore, the translucency and esthetics of the material match those of dentition, making Obsidian the optimal combination of utility and beauty, the company asserts.

Pressed to metal
The latest release in the product line, Obsidian Pressed to Metal, provides a PFM-like restoration for today’s clinician. Rather than fusing feldspathic porcelain to cast metal, Obsidian lithium silicate ceramic is pressed to laser-sintered understructures to form modernized ceramo-metal restorations. Each case is designed digitally and fabricated through unique computer-controlled processes, for precise restorations. The understructures are made through a method in which a programmable laser beam strikes metal powder to build the desired shape, layer by layer. The anatomy is formed by heat-pressing lithium silicate ceramic into a 3-D printed mold.

Finished Obsidian Pressed to Metal crowns and bridges can achieve far greater strength than their conventional PFM predecessors. According to the company, these natural-looking, chip-resistant restorations are ideal for covering dark preps and endodontic posts. Indications include crowns and bridges anywhere in the arch, and screw-retained and cemented implant restorations.

All-ceramic
Obsidian All-Ceramic restorations are made from the same lithium silicate ceramic used for the pressed to metal restorations, meaning that monolithic and ceramo-metal prostheses can be placed adjacent to one another with successful results. According to the company, these all-ceramic restorations mirror the vitality and translucency of natural dentition, and are indicated for individual anterior and posterior crowns, veneers, inlays, onlays and three-unit anterior bridges.