Smallest dimensional attachment system designed to be compatible with all implants

Rhein’83 OT Equator has a reduced vertical profile of 2.1 mm and diameter of 4.4 mm

Rhein’83, a global producer of precision attachments on removable prosthesis, describes its OT Equator as the smallest dimensional attachment system on the market. It has a reduced vertical profile of 2.1 mm and diameter of 4.4 mm (metal housing included). It is compatible with any implant brand.

Because of its shape, Equator provides superior stability when compared with traditional attachments, according to the company. It corrects divergence of up to 25 degrees, the company reports. Functionality is guaranteed by coupling of attachment and cap.

Caps are available in four colors, based on levels of retention — from a minimum of 0.6 kg to a maximum of 2.7 kg. Caps should always be used with metal housing.

To learn more about OT Equator, you can contact the company by email at info@rhein83usa.it or by telephone at (877) 778-8383. You can visit the company online at www.rhein83usa.com to learn more about all of its products and services, including the OT Equator.

(Source: Rhein’83)

Double your benefits with better mixing

Many dental products are used only once, including mixing tips used to prepare cements, impression materials and temporary crown-and-bridge (C&B) material. Following application, the mixer and any material left inside is discarded. To help dentists work more efficiently and sustainably, Switzerland’s Sulzer Mixpac has enhanced its tried-and-tested mixers: The new T-MIXER™ is significantly shorter, so material can be mixed even more quickly.

For example, the new blue model saves about 0.4 ml of material per C&B application compared with its predecessor. If a dentist performs an average of four C&B sessions per day, this adds up to 350 ml of savings every year, which is equivalent to seven 50 ml C&B cartridges. Assuming average costs of $100 per temporary C&B material cartridge, the new T-MIXER helps cut annual material costs by approximately $700. And the mixing result is even better.

A T-MIXER’s endorsement by The Dental Advisor® affirms its clinical evaluation. This product enables dentists to not only improve the health and well-being of their patients, but also make their business more efficient, according to the company.

Learn more about Sulzer’s T-MIXER product family from your specialty retailers and by viewing a short film at bit.ly/T-Mixer.

Reference

1. The Dental Advisor, published by Dental Consultants Inc., clinical evaluations of products.

(Source: Sulzer Mixpac)
Digital radiography in the dental practice has significantly saved time and provided the dental professional with more accurate diagnoses due to superior image quality over argentific film. One of the digital radiography options, phosphorus plate devices, gives the dental practice the ability to go digital in a way that is similar to film, but without the need for harmful chemicals or development time.

To use a phosphor plate scanner, the dental professional shoots an individual or series of X-rays and then leaves the room to run the digital plates through the scanner, placing the images into the electronic patient profile. This does save significant time over film; however, there can still be drawbacks. It can still be time consuming, images are sometimes placed in incorrect patient files and time is spent away from the patient. What has been missing is a true chairside solution for phosphorus plate systems.

For this reason, ACTEON has developed the first personal scanner, the PSPIX. The PSPIX is a phosphor plate system that is three times smaller than any other scanner on the market and is ideal to place in every operatory. The dental practitioner can shoot an X-ray and run the plate through the scanner in front of the patient, generating an image in under nine seconds. Immediate images lead to a quick diagnosis and the ability to educate the patient with a high-quality image. Workflow is improved, as is patient satisfaction and the practice’s revenue.

The PSPIX’s exclusive features provide each clinician with an efficient, affordable, compact and intuitive imaging solution. The efficiency of the device is evident in the automated process when inserting the film. The PSPIX automatically acquires the plate, detects the size, scans, optimizes the image and ejects the erased plate in a matter of seconds. Also, because of the large touchscreen controls, it takes very little time to teach the office staff how to operate the device.

With phosphor plate systems, it is obvious that a high-quality imaging plate (IP) is necessary to provide an excellent image. ACTEON provides imaging plates in a variety of sizes from a size 0 for pediatric offices all the way to a size 4 for occlusal X-rays. The imaging plates are very flexible and are positioned like film, making them more comfortable for the patient. These plates, regardless of size, provide sharp and accurate images for a reliable diagnosis.

Like all of us in dentistry and medicine, ACTEON is concerned about infection control. For this reason, the PSPIX has removable parts that comply with the latest disinfection standards. The areas of the PSPIX that are most likely to come in contact with contaminated hygiene bags and plates can be removed and placed in a thermal-washer disinfector, which drastically reduces the risk of infection. The office also has the option to purchase autoclavable parts if it feels the disinfector is not enough.

To truly be easy to use, the scanner must easily integrate into an office’s existing imaging software. The PSPIX will work in most imaging software in both Windows and Mac environments. If the office does not have imaging software, ACTEON will provide that free of charge.

The PSPIX has been a welcome addition to my dental practice. It has been an investment that has paid for itself over and over again by increasing workflow and patient education. I would recommend having this device in every office.

DR. TODD C. SNYDER earned a doctorate in dental surgery at the UCLA School of Dentistry. He specializes in high-quality esthetic dentistry and full-mouth rehabilitation. He trained at the F.A.C.E. institute for complex gnathological (functional) and temporomandibular joint disorders (TMD) and lectures internationally on dental materials, techniques and equipment. He was on the UCLA Center for Esthetic Dentistry faculty, codeveloping and codirecting the first and only comprehensive two-year postgraduate program in esthetic and contemporary restorative dentistry. He is on the faculty at Esthetic Professionals and is a consultant for numerous dental manufacturing companies, including ACTEON. He is founder and CEO of the non-profit Miles to Smiles children’s mobile-dentistry charity.
Health-care businesses are one of the most common sites of employee fraud

Your staff members are essential to the smooth functioning of your practice, and you rely on them to keep things going. But according to a 2014 report by the Association of Certified Fraud Examiners (ACFE), health-care businesses are likely to be victims of fraud, with yearly losses averaging $175,000 per practice. The same study also found that small businesses are disproportionately affected — and under protected — from fraud and employee theft.¹

Three major types of employee theft plague health-care practices, according to the Medical Group Management Association.² Here are the top three ways employees steal, along with tips for prevention:

• Removing cash from the daily deposit. If your practice accepts cash for copayments and other charges, an employee could take some of this cash and hope not to be detected. Warning signs that this might be happening generally come in the form of patient complaints when they’re being billed for something they’ve already paid for. You can help prevent this type of theft by blocking staff access to any means that could allow them to delete accounts, appointment records or payments. It may also help if the person accepting the cash payments isn’t the same person who fields patient complaints. Consider using software that records and reconciles payments, as well as video surveillance.

• Paying personal bills from company funds. Giving your employees access to checks and/or credit cards from your practice puts you at risk for internal theft. To help prevent this, you or a third-party firm should regularly examine outgoing funds, including credit card statements, bank statements and check records.³

• Falsifying payroll records. The person in charge of your payroll can adjust hours and/or pay rates beyond what you’ve authorized. Per the ACFE, this is generally the longest-lasting form of fraud, which means it has the potential to do great harm to your practice. It also occurs almost twice as often in small businesses as large ones.⁴ Your best protection is keeping a close eye on things. Personally review payroll payments regularly — and let your workers know this is part of your practice. The best way to combat fraud and employee theft is to prevent it before it happens.

References
3. Ibid.
(Source: PNC Financial Services Group)
Extract with confidence

Ergonomics meet Scandinavian design and functionality

LM Dental’s extraction instruments uniquely combine ergonomics, Scandinavian design and functionality foratraumatic tooth extraction. They feature comfortable, non-slip ErgoTouch handles and are well-balanced and light-weight, according to the company.

The instrument blades are made with DuraGradeMax supersteel, the same material LM uses for its periodontal cassettes and cutting instruments. Blades stay sharp long and are very durable, according to the company.

TwistOut

The company describes the LM-TwistOut elevators (red) as being ideal for tooth extractions in situations where strong force, leverage or torque is needed.

LiftOut

LM-LiftOut luxating instruments (blue) are designed to perform typical extractionsatraumatically. The instrument tip is introduced into the periodontal space and slowly advanced toward the apex of the root as the instrument is moved gently back and forth.

SlimLift

LM-SlimLift slim-design luxating instruments (purple) are created for the mostatraumatic extractions. The slimmer profile results in less tissue trauma during the luxating procedure, ensuring faster healing. The company describes the Slim-Lifts as being ideal for implant preparations.

All Cassette Instruments are supplied in convenient autoclaveable cassettes that protect both the instrument and the handler during the maintenance cycles.

You can visit booth No. 2003 (LM/Flanmera) in the ADA 2015 exhibit hall to learn more and to feel the comfortable, non-slip ErgoTouch handle technology.

(Source: LM-Dental)

Facts, figures from the companies

The proposed transaction will create the world’s largest manufacturer of professional dental products and technologies with scale and breadth across all major geographies and offerings in each of the major dental categories. Benefits include:

• Increased scale and product breadth:
  The combination will result in a company with net revenue of approximately $3.8 billion and adjusted EBITDA of more than $900 million, excluding the incremental benefit of synergies. The combined company will have the industry’s largest sales and service infrastructure.

• Total solutions provider: With consumables, equipment and technology under one roof, the new company will be able to deliver digital technologies and integrated solutions and workflows to enhance efficiency and patient care for general practitioners and specialists.

• Strong commitment to innovation: The combined company expects an enhanced commitment to innovation in consumables, equipment and technology backed by both companies’ R&D capabilities. DENTSPLY’s materials science expertise and Sirona’s technology platform, the broadened product offering will support continued innovation in the dental market. DENTSPLY SIRONA will have more than 600 scientists and R&D staff.

• Experienced management team: The combined company will be led by the one of most experienced management teams in the industry, with strong track records of growth and leadership in developing differentiated global product offerings. The DENTSPLY and Sirona teams have a demonstrated history of collaborating.

(Sources: DENTSPLY and Sirona)
NovaPro™ Flow

The First Nanofiber
Reinforced Nano-Hybrid Restorative Composite

Strength through Innovation

NANOVA
Made in USA
**Strength through nanofiber innovation**

The newly released NovaPro™ Flow has superior performance due to the incorporation of calcium phosphate nanofibers in conjunction with nanoparticles. According to Nanova Biomaterials, most flowable composites on the market use nanoparticles to improve only polishability, while maintaining strength. Nano-hybrid technology is best described as having a box of basketballs, tennis balls, and golf balls to achieve a higher fill percentage. NovaPro™ Flow is the first and only composite to add the patented nanofiber technology to the current nano-hybrid composite, significantly improving the mechanical performance, according to the company.

Nanova Biomaterials Inc., established in 2007, is a manufacturer and assembler of composites. Hahn, in conjunction with Nanova's expertise, is revolutionizing the nanofiber used in the flowable composite. According to the company, these innovative fibers significantly improved the currently available composite. Simply described, nanofibers are fibers that are less than 100 nanometers in diameter, which is approximately 1,000 times smaller than a human hair. This small size gives the fibers their strength by reducing the possibility of defects in a cross-section. In addition, fibers reinforce components by adding to the tensile, bending and shear strength of the composite. By utilizing nanofibers with nanoparticles, the material is reinforced, similar to rebars in concrete, providing a stronger, longer-lasting composite that is very low shrinkage. VaPro™ Flow was designed to have optimal handling and finishing properties, and it doesn't require any special polishing tools to perfect the desired finish and look expected from a flowable.

NovaPro™ Flow is FDA cleared for all Classes (I, II, III, IV, and V) of restoration. Other cleared uses include:

- Base/liner for Class I or II
- Minimally invasive procedures
- Pit and fissure sealants

*Source: Nanova Biomaterials*

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**Hahn Tapered Implant: A legacy and partnership**

Since placing his first implant nearly 45 years ago, Dr. Jack Hahn has spent much of his career as a clinician and innovator thinking of ways to make implant therapy more predictable as well as the patient's experience. From his conception of the first tapered implant to his design of the recently launched Hahn™ Tapered Implant System, Hahn's efforts have been driven by the desire to continually improve products and procedures in order to make treatment simpler and more predictable.

To produce what he considers his best design yet, Hahn elected to work with a team of trusted implant experts at Glidewell Laboratories — comprising individuals with whom he had successfully collaborated in past efforts, such as with the popular NobelReplace® implant (Nobel Biocare, Yorba Linda, Calif.). In Glidewell Laboratories President and CEO Jim Glidewell, CDT, whose own career track record includes numerous innovations within the dental industry, Hahn found a partner equally committed to enhancing the quality of treatment while reducing the cost of care.

After meeting with Jim, it was clear that we shared the same goal of expanding the availability of high-quality treatment to more patients. We both wanted to do something that would give back to an industry that has given us so much, Hahn said of the partnership that has brought his idea for a better, more predictable implant to life.

"But I didn't want to put my name on the product unless the quality was up to my standards. What I found at the Glidewell implant manufacturing center in Irvine, Calif., convinced me that Jim was serious about this venture. He had spared no expense in developing a world-class facility and assembling a team of engineers that was more than capable of carrying out my vision," Hahn said.

Hahn couldn't be happier with the results of this partnership, which has coupled his expertise on the surgical aspect of implant design with Jim Glidewell’s experience in implant dentistry. “Working with Glidewell Laboratories has allowed me to develop an advanced implant that improves the quality of treatment,” Hahn said. “Its engineering team has the technology and know-how to bring design concepts to life with astonishing speed and precision, and their expertise on the prosthodontic side of implant dentistry has been invaluable in creating an implant that is as simple to restore as it is to place. "We were able to fine-tune a design that accounts for everything I’ve learned since the original tapered implant came out nearly 25 years ago. They translated my conceptual drawings into prototypes and then into implants that could be placed with great efficiency, zeroing in on the exact thread design and drilling protocol needed to keep the implant engaged with a maximum amount of bone." Hahn Tapered Implants allow for swift insertion to maximize clinical efficiency, precise control during placement to optimize positioning in challenging situations and exceptional primary stability to facilitate immediate loading where indicated. From tight anterior spaces to molar extraction sockets, the implant is ideally suited to the ever-growing demands of modern implant dentistry. Engineered and manufactured in an ISO-certified facility featuring high-precision Swiss-type lathes and multi-axis milling machines, Hahn Tapered Implants are compatible with popular surgical instrumentation already used in many implant practices. A simplified surgical protocol includes implant-specific drills that precisely control both the diameter and depth of the osteotomy. The system also includes a complete assortment of prosthetic components to support the full range of traditional and custom restorative protocols.

With a career that speaks volumes on the importance of continual innovation, Hahn is proud to have his name associated with an implant that contributes to the forward progression of implant dentistry while reducing the cost of treatment. "The better we make implant design, the more accessible we can make implant dentistry to doctors so they can improve their practices and the quality of life of their patients," Hahn said.

(Source: Glidewell Laboratories)

**ADA C.E. courses in the exhibit hall**

Among the comprehensive offering of C.E. courses are three being presented by the ADA Foundation in its exhibit hall booths, No. 1392, which will be next to the ADA Welcome Center. The three courses:

- "Elements of financial planning for medical professionals" will be presented from 1:30-3 p.m. on Nov. 7. Speakers will include Mary McGrath of Gozad Financial Services, Jane Hays of The Downey Group and a member of the foundation’s investment subcommittee.

- ‘New developments in oral health research’ will be from 3:30-5 p.m. on Nov. 7. The course will include a review of the developments and research at the Dr. Anthony Volpe Research Center, presented by Drs. Thomas Hart, Diane Bieneck and Jeffrey Kim.

- "Go global: Reigniting your compassion for dentistry" will be held from 8:10-10 p.m. on Nov. 8. Dr. Brian Hollander, Nancy Kelly, Brian Penniston and ADA’s 2015 Humanitarian Award recipient Dr. Frank Serio will teach the course, which will provide personal perspectives on international volunteering, international oral health programs and strategies to improve oral health in developing nations. Serio has been doing volunteer dentistry for more than 25 years. Hollander, a dental practitioner in Anchorage, Alaska, spent 30 years as a practitio- ner in Kathmandu, Nepal. The ADA booth also will feature four shorter presentations at various times.

(Source: ADA)