Keystone Industries, the U.S.-based company that manufacturers some of the world’s top mouthguard products, has launched the latest product in its Pro-Form Mouthguard line — the PF2 mouthguard.

Unlike laminated mouthguard products that require a dentist to custom fit to the patient, the PF2 mouthguard is a do-it-yourself guard that provides an accurate custom fit without any need to take impressions of the teeth.

No appointment; no impressions
With the elimination of appointments and impressions, the price of this guard is significantly lower than custom-fit mouthguards while still providing high-impact protection, according to the company. The PF2’s unique design also enables it to be re-fit by the user multiple times.

“Being a leader in this field means we need to set the bar high for new products and innovation,” said Michael Prozzillo, vice president of sales for Keystone. “The PF2 will change the way athletes buy mouthguards, but also how the dentist sells them.”

The suggested retail of the PF2 mouthguard is $38. It is available in either black or white. The company reports that there will be bulk purchasing available in the near future, which will include a display piece and literature on the product suited for dental offices. Multiple color options will also be available soon, similar to the Pro-Form line of color options, according to the company.

Custom fit in less than a minute
“You just won’t be able to get ahold of another mouthguard that can be custom fit in under a minute and provide the same beneficial features,” said Derek Keene, Keystone’s vice president of marketing and product development. “We’re excited to watch PF2 take off and provide significant value to our customers and athletes across the country.”

To keep up to date on the PF2 and Keystone, go to www.keystoneindustries.com. You also can follow the company on all the major social media platforms.

About Keystone Industries
Keystone Industries, a privately held company founded in 1908, has maintained a reputation for producing innovative, high-tech dental products in both the operatory and laboratory realms. The company is committed to providing customers with the finest quality materials while developing products that surpass customer expectations. As this commitment has been met, the company has moved forward with expansion around the globe.

(Source: Keystone Industries)
Wireless and unconnected

Headlight transfers across loupes, frames

LED DayLite WireLess not tied to single pair of loupes or a specific eyeglass frame

Designs for Vision’s new LED DayLite® WireLess™ not only frees you from being tethered to a battery pack, but the simple modular design also uncouples the “WireLess” light from a specific frame or single pair of loupes. Prior technology married a cordless light to one pair of loupes via a cumbersome integration of the batteries and electronics into the frame. The compact design of the DayLite WireLess is independent of any frame/loupes. The patent-pending design of the LED DayLite WireLess is a new concept: a self-contained headlight that can integrate with various platforms, including your existing loupes, safety eyewear, lightweight headbands and future loupes or eyewear purchases.

The LED DayLite WireLess is not limited to just one pair of loupes or built into a single, specific eyeglass frame. The LED DayLite WireLess can be transferred from one platform to another, expanding your “Wireless” illumination possibilities across all of your eyewear options.

1.4 ounces

The LED DayLite WireLess weighs only 1.4 ounces and, when attached to a pair of loupes, the combined weight is half the weight of integrated cordless loupes. The LED DayLite WireLess produces more than 40,000 lux at high intensity and 27,000 lux at medium intensity. The spot size of the LED DayLite WireLess will illuminate the entire oral cavity. The function of the headlight is controlled via capacitive touch. The LED DayLite WireLess is powered by a compact, rechargeable lithium-ion power pod. It comes complete with three power pods. The charging cradle enables you to independently recharge two power pods at the same time and clearly displays the progress of each charge cycle.

Designs for Vision has been showing the Micro Series together for the first time this winter. The Micro 3.5EF Scopes use a revolutionary optical design that reduces the size of the prismatic telescope by 50 percent and reduces the weight by 40 percent, while providing an expanded-field full-oral-cavity view at 3.5x magnification. The new Micro 2.5x Scopes are 23 percent smaller and 36 percent lighter than traditional 2.5x telescopes, and enlarge the entire oral cavity at true 2.5x magnification.

The Micro Series is fully customized and uses the proprietary lens coatings for the greatest light transmission. You can “See the Visible Difference”™ yourself by visiting the Designs for Vision booths, Nos. 2408 and 4621, at the Chicago Dental Society’s Midwinter Meeting. Or arrange a visit in your office by calling (800) 345-4009 or emailing info@dvmail.com.

MyRay Hyperion X5 gains FDA approval

Cefla Medical Solutions has announced that the MyRay Hyperion X5 has received U.S. Food and Drug Administration approval, making it now available to dental customers in the U.S. Until now, only European dentists have been able to use the X5. The popular MyRay product is poised to join the array of practice solutions available in the U.S. from Cefla Medical Solutions North America, a subsidiary of Europe’s largest dental-chair manufacturer.

Cefla General Manager Massimo Di Russo said, “The X5 helps dentists make an immediate diagnosis, keep patients informed and make the most of every minute of the day as they work to complete and explain procedures.”

The X5 was awarded the 2015 Red Dot Design Award for Product Design by an international panel of independent judges who reviewed it and some 5,000 other products on criteria such as ergonomics, functionality, durability and the degree of innovation. The company describes the Hyperion X5 as being the first-ever, wall-mounted panoramic imaging system and smallest pan unit ever available. According to the company, a simple user interface enables the X5 to achieve up to 15 high-definition 2-D projections in just a few steps. Installation is described as being quick, involving minimal time and cost.

The X5 was showcased in the Greater New York Dental Meeting exhibit hall at the end of last year. Prospective customers will have two more chances to see it in operation in the first half of 2016. It will be featured in the Chicago Dental Society Midwinter Meeting exhibit hall and at the California Dental Association meeting in May.
Small-dimension, cylindrical bone cutter is designed for minimally invasive procedures

Komet also releases a ‘saber-tooth’ cutter

By Komet Staff

Among the specialty products introduced at the most recent International Dental Show in Cologne, Germany, was Komet USA’s H255E cylindrical, small-dimension bone cutter. According to the company, it is designed to maximize cutting performance and is ideally suited for minimally invasive procedures.

With a 1.2-mm diameter and a 6-mm-long blade, the Komet® H255E bone cutter features exceptionally sharp, cross-cut toothed, large chip spaces, and long cutting edges along its cylindrical working portion, facilitating intuitive, tactile operation, according to the company. The small-dimension instrument is particularly effective for fine and/or linear bone cuts as well as for hemisectioins, axial bone perforations, crestal opening of the alveolar ridge and apicoecotomies.

Allowing conservative yet effective preparations and distinguished by its long service life, the H255E is the cylindrically shaped counterpart of the established Komet H254E tapered combination rotary instrument specific to oral surgery, producing the new ST configuration for proven effectiveness.

The H162ST’s innovative toothing provides the sharpness, cutting behavior and maximal control required for bone cuts during osteotomies, osteoplasty procedures, bone and bone-lid preparations, apicoectomies and hemisectioins, according to the company.

Quality control starts at micro levels

DENTSPLY Pharmaceutical controls every step from research to distribution

For more than 100 years DENTSPLY International has been supporting dentists worldwide in their profession.

The company’s trusted and comprehensive range of anesthetics enables dentists and hygienists to start every procedure right. DENTSPLY Pharmaceutical ensures quality at each step of the product’s journey — from collection of active molecules all the way through to when the packages arrive at your office.

Each cartridge is twice sterilized with a sterilizing filter followed by an autoclave method.

Cartridges are then visually inspected with an electronic laser for defects and impurities, including but not limited to: cracks, foreign particles, color and density. Each cartridge is mylar-pack labeled to restrain the individual pieces in case of a break — thus avoiding any injuries. Each set of 10 cartridges is then blister packed to avoid breakage. Finally, each cartridge is color coded as per industry standard ADA system.

About Komet USA

Currently celebrating more than 90 years of successful service in the dental industry, Komet describes itself as a recognized worldwide leader in the production of highly specialized, precise dental carbide burs, dental diamonds, finishers, polishers and a wide selection of other dental rotary instruments and accessories.

Komet operates in the United States under the name Komet USA. It sells direct to dental practitioners and dental laboratories, delivering orders quickly and efficiently from its factory, according to the company. The company’s U.S. headquarters is in Rock Hill, S.C.

For more information about Komet USA and to learn more about the H255E bone cutter and the H162ST “saber tooth” bone cutter, you can telephone (888) 566-3887 or visit Komet online by going to www.kometusa.com.
A new generation of core buildup material

Fluoride-containing Visalys Core dual-curing composite is for fabrication of radiopaque core buildups, core fillings and cementing root posts

Visalys® Core, the new product from Kettenbach LP (www.kettenbachusa.com), represents the next generation of core buildup materials, according to the company. The most recent addition to the Visalys family is a dual-curing core buildup material with unique Active-Connect Technology (ACT) to ensure a reliable bond with all common adhesives — without an additional activator. The product was unveiled at the 2015 International Dental Show (IDS) in Germany.

Visalys Core is the first core buildup material from Kettenbach. The fluoride-containing, dual-curing composite was developed for the fabrication of radiopaque core buildups and core fillings and for cementing root posts.

According to the company, the Active-Connect Technology, unique in the market, enables the material to bond actively with all common light-curing and dual-curing, single-step and multistep adhesives, without an additional activator. For users, it enables them to use the bonding agent they are used to, whether it is light-curing or dual-curing — or a single- or multi-bottle system.

Firm foundation: stable and precise

According to the company, the technology simply provides a firm foundation — stable and precise. The company reports that Visalys Core ensures easy and reliable handling with “excellent positional stability.” At the same time, it exhibits good flowability and low extrusion force. The compressive strength results in a stable monoblock and a secure bond.

Optional light-curing allows the procedure to be continued immediately. Reliable self-curing provides dependable strength even on the cavity floor and in root canals. Excellent polishing characteristics ensure precise preparation, even without light-curing, the smear layer is minimal. The product is also free of Bisphenol A and its derivatives.

Visalys Core is available in dentin and white shades in a 5 ml double syringe and in a 25 ml cartridge. For detailed information about Visalys Core, visit the Kettenbach website at www.kettenbachusa.com.

About Kettenbach

Kettenbach (Huntington Beach, Calif.) is the exclusive U.S. distributor for Kettenbach GmbH & Co. KG (Eschenburg, Germany). Founded by August Kettenbach in 1944, Kettenbach GmbH was created for the development and marketing of dental impression materials and is also known in other surgical areas of medicine. Brands include Panasil VPS Impression Material, Identium VSXE Impression Material, Futar Bite Material, Silginat Alternative Alginate, Visalys Temp Material, Mucopren Resilient Liner and Visalys Veneers.

For more information about Kettenbach LP products, you can call (877) 532-2123 or visit www.kettenbachusa.com.

(Source: Kettenbach)
Clinical relevant and appropriately sized tips help improve implant maintenance

LM Dental’s ErgoMix Mini Implant Instruments are made of softer-than-standard titanium alloy that is gentle on implants yet effective for calculus removal. Photos/Provided by LM Dental

Extraction instruments combine ergonomics with Scandinavian design

By LM Dental Staff

The clinical challenge: Instruments (tips) intended and used for implant maintenance are too bulky, especially in cases when patients have healthy, tight tissue around the implants.

Proposed solution: ErgoMix Mini Implant Instruments from LM Dental.

Reasoning supporting the solution: According to LM Dental, practitioners were frustrated with tip sizes of implant hand-instruments. They approached LM with their frustration and shared improvement suggestions. In response, LM, a market-leading instrument manufacturer in Europe, known for being sensitive to practitioners’ needs and passionate about clinical relevance, designed a series of titanium implant instruments with mini-sized tips. These LM ErgoMix implant instruments are made of softer-than-standard titanium alloy that is gentle on implants yet effective for calculus removal. ErgoMix implant instruments also feature replaceable tips and large diameter (12 mm) silicone surfaced handles that, according to the company, improve comfort.

The ErgoMix replaceable tip mechanism is engineered so that no tools are needed to change the tips. That means there is no wrench tool to lose – guaranteed. The tips line up perfectly to the handles, making ErgoMix technology the 21st-century version of the outdated cone-socket system, according to the company.

The implant series includes four instrument patterns: Mini Gracey 1/2 – anterior (gray); Mini Gracey 11/12 – mesial (orange); Mini Gracey 13/14 – distal (blue); and Mini Universal – universal, all surfaces (red). They are available as a kit, containing one of each instrument and a cassette, or they may be purchased individually.

Extract with confidence: Ergonomics, Scandinavian design

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

The instrument blades are made with DuraGradeMax supersteel, the same material LM uses for its periodontal curettes 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 extractions atraumatically. 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 most atraumatic extractions. The slim profile results in less tissue trauma during the luxating procedure, enabling faster healing. The company describes the Slim-Lifts as being ideal for implant preparations.

LM extraction instruments are supplied in convenient autoclavable casettes that protect both the instrument and the handler during the maintenance cycles.

You can visit booth No. 3415 (LM/Planmeca) in the Chicago Dental Society 2016 Midwinter Meeting exhibit hall, to learn more and to feel the comfortable ErgoTouch-handle technology.

(Source: LM Dental)
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Glidewell Laboratories hires director of clinical affairs

Dr. Neil Park to oversee clinical research and development, advise on training and education for implants and restorative solutions

Glidewell Laboratories, an industry-leading provider of dental products, implant solutions and lab services, has hired Dr. Neil Park as director of clinical affairs, a new position created to oversee the clinical aspects of product research and development. In addition to coordinating the activities of the company’s clinical staff, Park will help guide the company’s training and education efforts to meet the needs of dentists and enhance knowledge and awareness of new techniques, materials and procedures.

After graduating from Temple University School of Dentistry, Park practiced as a general dentist for 12 years before moving on to a successful career in the dental implant industry. This included a 19-year stint with Nobel Biocare during which he managed the company’s continuing education programs and university relationships, and helped bring several key implant systems and restorative solutions to market. As part of this effort, Park was key in developing and implementing a predoctoral implant curriculum in universities throughout North America.

In 2010, Park transitioned from Nobel Biocare to ClearChoice Dental Implant Centers, a major provider of implant treatment in the U.S. There, he led efforts to increase patient acceptance of full-arch implant treatment.

Most recently, Park was at the helm of professional development at Zimmer Biomet Dental, where he oversaw practitioner education programs and managed the company’s relationships with universities and national dental associations. Having joined yet another industry leader in Glidewell Laboratories, Park is ready to aid the company’s efforts to improve treatment outcomes and expand patient access to care.

“Glidewell Laboratories has a unique perspective as a manufacturer of dental implants and prosthetics because of our long history supporting doctors in planning and restoring cases. We have a staff of clinicians that test the effectiveness of techniques, products and treatment protocols,” Park said. “Dentists want to know that their restorations will be durable, esthetic and serve the patient well. Our one-of-a-kind clinical operation allows the opportunity to develop implants and prostheses that accomplish just that and have been verified using licensed dentists and real patients.

“This capability really doesn’t exist anywhere else,” he continued. “We generate a great deal of useful clinical data from a large number of patients, and we utilize that research to guide doctors in their choice of materials and techniques. Doctors want confidence in the restorations they prescribe, and 45 years as a market-leading dental lab has given us a great idea of what materials and implant designs will work well in the hands of dentists.”

In addition to overseeing the clinical aspect of product research, development and evaluation, Park will bring his background in dentist training and education to enhance the company’s efforts to help practitioners incorporate...
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Book covers techno-clinical aspects of the fixed removable prosthesis

The industry’s first book dedicated to combined restorations and removable protheses was released in October. Its title: “Techno-clinical aspects of fixed removable prosthesis.”

The book helps illustrate how the combined prosthesis now offers the edentulous or partially edentulous patient comfort that was unthinkable a few years ago. The combined prosthesis is a valuable solution but only if done by experts in the field of clinical dentistry working with dental technicians with in-depth knowledge of clinical anatomy, occlusion, gnathology and dental materials.

The idea for the book came from a desire to provide guidelines to all those who want to learn this branch of dentistry and who want to deepen their knowledge of techniques and protocols. To create the book, a team of dentists and dental technicians skilled in multiple solutions and techniques were invited to contribute. The result is a resource previously unavailable in a single text.

The book involved 27 authors and 23 cases. The introduction was written by three professors from three Italian universities: Siena, Milan and Turin. The book is intended to be read by an international audience; it has been written in Italian, English and Spanish.

The authors are Prof. Andrea Borracchini, University of Siena; Dr. Alessio Casucci and Prof. Gianfranco Gassino, University of Turin; Dr. Massimo Pasi, University of Milan; Dr. Luca Ortensi, Dr. Caterina Perra, Dr. Ugo Torquati Gritti, Dr. Daniele Vrespa, Dr. Gabriele Rosano, Dr. Riccardo Stefani, Dr. Gerd Schiatti, Dr. Mauro Colombo, Dr. Umberto Ferrone, Dr. Eugenio Guidetti, Dr. Marco Montanari, Dr. Massimo Pederinazzi, Dr. Alessandro Iorio Sicilia- no, D.T. Luca Ruggiero, D.T. Giuliano Bonato, D.T. Armando Buongiovanni, D.T. Carlo Buongiovanni, D.T. Dario Cappuzzato, D.T. Salvatore Chimenz, D.T. Rof- dolfo Colognesi, D.T. Davide Nadalini, D.T. Marco Ortensi and D.T. Giancarlo Riva.

To learn more, visit www.rhein83.com, or send an email to marketing@rhein83.it, or telephone 39 (335) 784-0719. To learn more about Rhein83 in the United States, contact the company at info@rhein83usa.it or (877) 778-8383.

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(Source: Rhein’83)
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LM DENTAL TRACKING SYSTEM™ – INTELLIGENT PATIENT SAFETY

LM Dental Tracking System™ is the first RFID technology to efficiently and accurately track, monitor, and control instruments and materials in the dental environment. DTS™ is the solution for challenges in material handling, logistics, and traceability, improving patient safety and documentation requirements.

The new LM-ErgoSense hand instrument with advanced built-in RFID technology together with scanning readers and software create the unique intelligence. DTS™ is fully compatible with all instruments and materials.

See how you could benefit from LM Dental Tracking System™

DTS in university environment
Flow Dental expands digital imaging line

By Flow Dental Staff

Flow Dental, long a leading manufacturer of dental film and film accessories, has transformed its product portfolio to include unique products essential to every dental practice that has gone digital.

“We determined that our relevancy in a digital world would hinge on our ability to provide dentists with accessories that improve sensor or PSP [phosphor storage plate] usage and augment procedure workflow. No pun intended,” said Bill Winters, president of Flow Dental. “Dentists have really responded to our digital products. They recognize the added value we put into each product. They don’t buy our products based on price; they buy based on the benefits to their practice and their patients.”

In today’s PSP market, for example, one in eight phosphor plate users relies on Flow’s Safe’n’Sure line of PSP envelopes. Safe’n’Sure’s three product styles offer time-saving solutions to enhance throughput and productivity, while helping to extend the life and usage of the phosphor plates. A great example of this is Flow’s Safe’n’Sure OPT style (Fig. 1). These PSP covers are designed for plates that include magnets, which account for about 25 percent of the market. Unlike any other product, Flow pre-loads the cardboard insert halfway into the PSP envelope. Not only does this remove a time-consuming step, but it also assures that the plate can never be loaded incorrectly (because the magnet on the plate must line up with the cut-out on the cardboard insert). The OPT has a unique butterfly seam that enables the user to easily remove the plate without touching it — thus prolonging and preserving longevity of the plates.

Flow Dental is far from finished reinventing itself. New products also include Perfect Fit, an adjustable intraoral camera sleeve (Fig. 3). Like the Snuggies, Perfect Fit enables the user to cinch-tight the sleeve to create a tight, custom-like fit over either the X-ray sensor or camera. In the case of Snuggies, this ability to create a custom fit, regardless of sensor size, means dentists can keep one product in stock for either their size 0, 1, or 2 X-ray sensors, and they don’t have to worry that the sensor will slip out of the sleeve during use. For cameras, Flow’s Perfect Fit forms a tight, wrinkle-free barrier around the lens. That helps to assure optimum viewing and zero distortion.

Flow recently celebrated 40 years in business. Its sister company, Wolf X-Ray, is celebrating more than 80 years in medical imaging. “As a family-owned business — much like the majority of dental offices we service — we are proud to be a valued provider of unique and elegant products, and the best is yet to come,” Winter said.

For more information on Flow’s products, visit www.flowdental.com or contact your local dealer.
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LVI Core I three-day course enables dentist and team to learn together

By Mark Duncan, DDS, FAGD, LVIF, DICOI, FICCMO, Clinical Director, LVI

As a patient, I expect the best care I can find. As a doctor, I want to deliver the best care possible. That takes us to the power of continuing education, and as doctors we are faced with many choices in continuing education.

As a way to introduce you to the Las Vegas Institute for Advanced Dental Studies, or LVI, I want to outline what LVI is about and what void it fills in your practice. The alumni who have completed programs at LVI were given an independent survey, and unlike the typical surveys, 99.7 percent said they love practicing dentistry, and of those surveyed, 92 percent said they enjoy their profession more since they started their training at LVI. That alone is reason enough to go to LVI and find out more.

Functional dentistry: Power of physiologic-based occlusion

While the programs at LVI cover the breadth of dentistry, the most powerful and life-changing program is generally reported as Core I, “Advanced Functional Dentistry: The Power of Physiologic-Based Occlusion.” This program is a three-day course that is designed for doctors and their teams to learn together about the power of getting their patients’ physiology on their side. In this program, doctors can learn how to start the process of taking control of their practice and start to enjoy the full benefits of owning their practice and providing high-quality dentistry.

Comprehensive care

Whether he or she works in a solo practice or in a group setting, every doctor can start the process of creating comprehensive care experiences for his or her patients. We will discuss why some cases that doctors are asked by their patients to do are actually dangerous cases to restore cosmetically. We will discover the developmental science behind how unattractive smiles evolve and what cases may need the help of auxiliary health care professionals to get the patient feeling better.

The impact of musculoskeletal signs and symptoms will be explored and how the supporting soft tissue is the most important diagnostic tool you have — not simply the gingiva, but the entire soft-tissue support of the structures not just in the mouth but also in the rest of the body. A successful restorative practice doesn’t need to be built on insurance reimbursement schedules. An independent business should stand not on the whims and distractions of a fee schedule but rather on the ideal benefits of comprehensive care balanced by the patients’ needs and desires. Dentistry is a challenging and thankless business, but it doesn’t have to be. Through complete and comprehensive diagnosis, there is an amazing world of thank-yous and hugs and tears that our patients bring to us, but only when we can change their lives. The Core I program at LVI is the first step on that journey.

That’s why when you call, we will answer the phone. “LVI, where lives are changing daily!”

Las Vegas Institute for Advanced Dental Studies offers Core I, a three-day course for dentists and their teams. Photo/Provided by Las Vegas Institute for Advanced Dental Studies