The ProScore line of products

EZ Care Handpiece Maintenance Kit (Coming soon!) The EZ Care™ Handpiece Maintenance Kit is the latest addition to the ProScore line of products. These maintenance kits are customized to your handpiece and include everything needed to keep the handpiece in optimal running condition: an XTend™ ceramic turbine, Smart Cleaner, gaskets, coupler o-ring sets, handpiece cleaner/lubricant, detailed maintenance instructions and other products. The EZ Care Handpiece Maintenance Kit complements both ProScore’s in-office repair product line and the ProRepair/ProService Handpiece and Small Equipment Maintenance Courses presented at various dental shows.

X-Tend ceramic kits and turbines for high-speed handpieces With the X-Tend ceramic line of turbines and kits, ProScore offers dentists the best quality do-it-yourself products for high-speed handpieces in the market. Not only are X-Tend ceramic products backed with the best warranties in the business — one year for turbines and six months for rebuild kits — X-Tend products outperform steel bearings, last longer and produce less noise and vibration. The Ceramic Bearing Technology incorporated in X-Tend ceramic products provide many handpiece performance benefits, such as:

Reduced wear: Ceramic balls are twice as hard as steel balls.
- Increased durability: ceramic balls are 40 percent lighter than steel balls, which reduces the internal forces and loads caused by high-speed rotation.
- Longer life: Ceramic bearings perform better than steel under marginal lubrication.
- Quieter and smoother operation: noise and vibration are reduced as a result of lower loads.

ProScore’s other EZ Solutions offer dentists various do-it-yourself repair and maintenance options:

EZ Press III™ and EZ Rebuild™ Kits The EZ Press III Repair System is the answer to the high costs and downtime associated with sending high-speed handpieces out to be repaired. Allowing the dentist to easily change those parts that have worn out, the EZ Press III utilizes simple procedures, requires no guesswork and ensures precision placement of the bearings on the spindle.

EZ Install™ Turbines For an instant repair, dentists can replace cartridges chairside with EZ Install Turbines, which are manufactured with the highest quality parts and quality assurance procedures in the market, including dynamic balancing. The result is a high-performance, long-lasting turbine that outlasts others in the market.

EZ Care™ Cleaner and Lubricant Smart Cleaner is a one-of-a-kind maintenance tool that not only helps prevent residue build-up in handpieces and coupler waterlines, but also clears away obstructions if they occur. Simply connect the handpiece or coupler to the Smart Cleaner and activate the hand pump to clear obstructions and debris.

Isolite Systems — dental isolation receives more industry recognition

Isolite Systems’ dental isolation technology continues to receive praise from its users and recognition from the dental industry for its dental isolation technology. The Isolite™ dental isolation system was named one of the “50 Greatest Game Changers in Dentistry” by Dentaltown Magazine.

Recognition of the product’s contribution to the advancement of dentistry is a major milestone for the device. Isolite’s inclusion in the list placed it among some of the dental profession’s biggest advancements, including fluoride, local anesthesia, dental handpieces and digital radiography.

Isolite is a dental isolation system that combines the functions of light, suction and retraction into a single device, solving many of the frustrations that dental professionals deal with on a daily basis.

The device gently holds the patient’s mouth open, keeps the tongue out of the working field, illuminates the oral cavity, and guards the patient’s airway — all while continuously evacuating saliva and excess moisture. With Isolite, procedures are accomplished on an average of 50 percent faster with greater safety and comfort for the patient.

Additionally, the company announced that Dentistry Today magazine recognized the Isolite dryfield illuminator as one of the Top 100 Products for 2011 for the dental industry. This marks the sixth time that the product has received this recognition.

The super-soft mouthpiece used with Isolite makes for a more comfortable experience for the patient, and allows dental professionals to work more efficiently with greater control over the oral environment. Isolite mouthpieces are available in six distinct sizes to fit patients varying in size from small children to large adults.

“Proper dental isolation is one of the most underrated factors affecting the longevity of dental work,” said Thomas Hirsch, DDS, co-creator of Isolite. “Compared to other dental isolation methods, such as the rubber dam or manual suction and retraction, Isolite is faster and easier for dental professionals and easier on the dental patient.”

For more information about Isolite Systems and its products, including a video tour and clinical videos, please visit www.isolitesystems.com or phone (800) 560-6066.

See a live demonstration at CDA booth No. 2220.
According to EMS, the innovative Air-Flow® handy Perio is the first and only portable perio device that enables safe and effective removal of subgingival biofilm.

Based on the successful Air-Flow handy 2® series and the Air-Flow Master, which was awarded an innovation prize, this handpiece again provides the dentist with an ergonomic masterpiece that EMS says is ideal for treating patients and enables the complete removal of biofilm.

The transparent dome and the powder chamber have come out in pink. In this combination, the white, handy instrument is once again an eye-catcher.

Together with the Air-Flow powder Perio, the single-use Perio nozzle reaches down to the base of the periodontal pocket.

Biofilm impairs the removal of bacteria

Microorganisms establish themselves and multiply. The bacterial community develops its own protection: Microbes come off and colonize new areas. In some cases, the body’s immune system is helpless.

To prevent the penetration of microbes, the body triggers a bone deterioration process as an “emergency response.”

Because the biofilm protects the bacteria against pharmaceuticals, treatment has been very difficult to date.

That is why EMS wants to mount an attack on damaging biofilm as part of subgingival prophylaxis treatment with an application summed up in the words “Air-Flow goes subgingival.”

Using this method, dentists can also effectively treat the never-ending increase in the number of cases of peri-implantitis among implant patients and counter the impending loss of implants.
Dental R.A.T. wins ‘Best of Class’ Technology Award

Dental R.A.T. has been recognized as one of 16 companies to receive the Pride Institute’s Best of Class Technology Award for 2011. Dental R.A.T. was an honoree in the Clinical/Diagnostic Category.

“Dental R.A.T. is very humbled and appreciative to be recognized by such a prestigious group of dentists and industry professionals. Best of Class for any product is a level of recognition we all strive for. Our recognition for solving the issue of perio charting is affirmation that the dental industry has a need for the entrepreneurial spirit that brings new ideas and products for today’s new challenges. We are so grateful to be part of it and extend our congratulations to all this year’s products in Best of Class,” said President of Dental R.A.T. Becky Logue, RDH.

The Pride Institute Best of Class Technology awards were launched in 2009 as a new concept to provide an unbiased, non-profit assessment of available technologies in the dental arena. Winners of the award are invited to participate in a technology fair showcased at the American Dental Association’s annual meeting.

“We deeply felt a gap in the area of technology education and integration, said Lou Shuman, DMD, CAGS, president of the Pride Institute. “We feel the technology awards and fair were an ideal model to fill that gap. Pride Institute’s commitment is to provide the finest information and counsel in all areas of practice management.”

The decision panel consisted of seven dentists with significant knowledge of and experience in dental technology, including Shuman; John Flucke, DDS, writer and technology editor for Dental Products Report; Paul Feuerstein, DMD, writer and technology editor for Dental Economics; Titus Schleyer, DMD, PhD, associate professor and director, Center for Dental Informatics at the University of Pittsburgh, School of Dental Medicine; Marty Jablow, DMD, technology writer and speaker; Para Kachalia, DDS, director of new technology at the University of the Pacific, School of Dentistry; and Larry Emmott, DDS, technology writer, speaker and dental marketing consultant.

“I feel very fortunate that a panel of this magnitude agreed to contribute to the selection process,” said Shuman.

R-SI-LINE METAL-BITE

Perfect bite registration

For more than a decade, R-dental has offered METAL-BITE® the universal registration material. The dark grey A-silicone guarantees excellent universal registrations. According to the German opinion leader Prof. Dr. Gutowksi, METAL-BITE® is also usable for the biteplate of the face-bow registration system and for dynamic registrations (FPG-technique).

METAL-BITE shows perfect physical properties: It is extremely fast and hard, thixotropic and high standable. The snap-set guarantees the highest precision. Once cured, METAL-BITE is inflexible and not crumbly, with a sufficiently long working time (25 seconds). A high Shore D-hardness (40) and high dimension stability are convincing advantages of this reliable registration material.

The universal registration material is available in cartridges of 50 ml in addition to accessories. For more information, please contact the manufacturer.

GIOMER materials: Essential ingredients for a healthy smile

In recent years, a new type of glass filler known as GIOMER has been receiving attention in clinical papers and on the lecture circuit.

Although widely accepted in Japan over the past 15 years, it has only recently caught on in the United States. Amongst the newest and the most innovative filler material on the market, GIOMERs are also the most misunderstood.

What are GIOMERs?

Although frequently used to describe the new category of restoratives, the term GIOMER is less of a category and more an ingredient. Succinctly put, GIOMER refers to any product that contains surface pre-reacted glass (S-PRG). S-PRG fillers are nano-sized glass filler particles that undergo an acid/base reaction receiving a surface modified layer to help block moisture before incorporation into the resin. This process differs greatly from GI or composites, which achieve an acid/base reaction only after placement, following a light cure, and after they absorb water. Following water sorption, fillers in GIs and composites immediately swell, causing a rapid breakdown in both strength and aesthetics.

Through pre-reaction and the addition of a surface modified layer, GIOMERs offer stable fluoride rechargeability similar to GIs, but with vast improvement to strength and aesthetics.

Sustained fluoride recharge

Unlike other composite resin materials, GIOMERs are unique in their ability to recharge fluoride indefinitely. S-PRG filler particles act as a fluoride reservoir that recharge with brushing or rinsing with fluoride dated products. Fluoride then releases when acid levels rise, providing sustained preventative benefits to adjacent tooth structure over the life of the restoration (Fig. 1).

Independent evaluation of S-PRG materials conducted by the University of Florida and published in JADA, translates this benefit to clinical relevance. At eight years, none of the restorations failed, no sensitivity was reported, anatomical form was well maintained and most notably, no secondary caries were present in any of the patients.

Application of GIOMERs

Dental applications for GIOMER products are limited only by the imagination. Shofu has successfully incorporated the material into composite resins such as BEAUTIFUL Flow Plus and BEAUTIFUL II, and into the bonding agent FL Bond II with great clinical success. Further applications are under development.

If you are interested in learning more about GIOMER materials, we encourage you to visit Shofu at booth No. 1322.

You can also learn more about GIOMERs during Dr. Howard Glaziers lecture, “What’s Hot and Getting Hotter” at CDA Presents from 9 a.m. to noon and 1:30 to 4:30 p.m. on Friday, Sept. 23.

As always, you can find more information about all Shofu products at www.shofu.com.
Contemporary Product Solutions recently announced that it has awarded Gluma® Desensitizer PowerGel by Heraeus a 5-Diamond rating, its highest ranking.

Contemporary Product Solutions is a digital magazine designed to provide expertise in the clinical evaluation of dental products and equipment from the “total team perspective.”

Highlights of the evaluation are listed below and results of the complete survey can be found online at cpsmagazine.com/products.

Description
Gluma PowerGel is a one-step desensitizer in a gel form contained inside a syringe with brush tips.

Clinical indication
Gluma Desensitizer PowerGel is indicated for the reduction or elimination of pain in exposed cervical areas that do not require restoration and the reduction or elimination of dentin sensitivity after preparation of teeth to receive fixed prosthesis or restorations. Specific uses include: under crowns, bridges, inlays, onlays, veneers, provisionals and on cervical erosion, gingival recession and all bonded procedures.

Packaging
Each evaluator received four 1 g syringes, 20 brush cannulas and a pictorial card with detailed instructions.

Evaluation process
Gluma PowerGel was reviewed by 20 evaluation teams and used on 174 patients and more than 225 teeth. All evaluators were very pleased with the great results they received while using the product, and all liked that Gluma PowerGel was tinted green and easy to see during placement. The tinted color, they said, also helped to ensure that excess gel was removed during the rinse.

During the evaluation, Gluma PowerGel was used for multiple applications, including use in provisional and final restorative procedures, which were reported as the top indications in evaluators’ practices. Eight of the clinicians reported use before and after whitening, and 10 hygienists reported use prior to scaling and root planning.

Six clinicians said they have been using Gluma for years, while four said prior to the evaluation that they had never used a desensitizer. Some evaluators wished Gluma PowerGel did not have to be rinsed after use, one hygiene evaluator wished it had a thicker consistency, and an assistant evaluator said it would be great if it came in a variety of shades.

Evaluator comments
“...This should be promoted to be part of every bonding procedure to virtually eliminate sensitivity.”
– East Berlin Smiles

“Absolutely, as the ease of use, consistent results and lack of waste makes this a great addition to treating and preventing sensitivity.”
– Dr. Alan Mohr and team

“I liked that the gel was green; it was easy to tell if the rinse had removed all excess gel.”
– Dr. Phillip Talley and team

Conclusion
Overall, the product was ranked most highly and the CPS Review Team awarded Gluma Desensitizer PowerGel, a 5-Diamond score, its top rating.

For more information on the Gluma line of desensitizing products, visit www.heraeus-dental-us.com or call (877) 451-1785.

Contemporary Product Solutions awards Gluma Desensitizer PowerGel ‘5-Diamonds’
Curve Dental’s new web-based digital imaging technology

Curve Dental, developers of web-based dental software, announced the completion of new digital imaging features that allow dentists and staff to capture X-ray and intraoral images directly to the cloud. The technology, which is the first of its kind in dentistry, provides clinicians with a digital imaging solution that is entirely web-based.

Using the cloud to capture and store patient images eliminates the need for a server, affords unlimited storage and a proven backup and business continuity solution, and provides the dentist with access to the data from any computer with Internet access at any time and from anywhere.

“Our digital imaging features are revolutionary within the dental profession,” said Matt Dorey, founder and managing director of Curve Dental. “With our software, a doctor only needs a computer with Internet access and a browser to capture digital images. They don’t need a server, powerful and expensive hardware, nor do they need to worry about backups or space limitations.

Moreover, our strategy is to allow doctors to connect any digital X-ray sensor, intraoral camera or digital panoramic imaging system to our software, which is an advantage to the dentist because most dental professionals already have these types of digital devices in their practices. Switching to our software shouldn’t require the dentist to invest in new digital devices; that is our goal.”

Compatibility with as many different digital devices as possible is Curve Dental’s strategy. Currently the software is compatible with the Schick, Sunny, Gendex, Eya and Owandy digital X-ray sensors, and will soon be compatible with the Kodak sensor. Additional compatibility will be added as quickly as possible.

Curve Dental’s imaging software is native to its practice management software using a single database and set of code, which provides the clinician and staff with a consistent look and feel throughout the software. Native code also makes the software easier to learn and less demanding on a practice that must train new team members. A stand-alone version of the imaging software will also be available in the near future.

Similar to the company’s practice management features, the imaging features are sold on a subscription basis with an additional setup fee. Introductory pricing is being offered until the end of the year. Interested parties should call (888) 910-4576 or visit www.curvedental.com for more information.

Although Curve Dental has received FDA approval for U.S. dentists, Health Canada approval is still pending. Canadian dentists are not able to use the imaging features yet.

(Original Image Provided by Curve Dental)