New generation of CAD/CAM materials represents synergy of ceramics and composites

HC Block/Disk designed to minimize flaws attributed to esthetic and high-strength ceramics

By Shofu Dental Staff

Until recently, a clinician’s decision was quite straightforward when selecting CAD/CAM restorations, as typically, tougher materials were associated with poor esthetics and excellent esthetics were associated with low strength.

Today, CAD/CAM crowns, bridges, inlays/onlays and veneers can be created with a multitude of materials, including ceramics (esthetic ceramics, high-strength ceramics, hybrid ceramics and zirconia), CAD/CAM composites, fiber-reinforced resins, polymers and metals.

Ceramics are by far the most common materials used to fabricate CAD/CAM restorations. In the pioneering years of CAD/CAM technology, feldspathic porcelain was the restorative material of choice for many clinicians as this material best matched the desired physical properties—excellent translucency and moderate strength.

While esthetic, porcelain is brittle with a low fracture toughness and a high proneness to failure in the presence of flaws.

To overcome this problem, new materials with greater strength were pursued. First, leucite-reinforced then lithium-disilicate glass ceramics, both of which demonstrate higher flexural strength than porcelain. Tough and esthetic, when these materials are adequately prepped, handled and bonded they demonstrate a good success rate.

However, when the margins are thin, a bond to the underlying tooth is deficient or an adjustment is needed, the failure rate of restorations with high-strength ceramics tends to dramatically increase.

In response to the limitations of high-strength ceramics, new polymer-based resin-composite materials such as HC Block/Disk (Shofu) have been developed. This new category of materials, referred to as CAD/CAM composites and/or hybrid ceramics, represents the synergy of ceramics and composites with their respective beneficial mechanical properties.

Intended to provide clinicians with the capability of restoring teeth in one appointment, HC Block/Disk represents a generation of new CAD/CAM composites, according to Shofu, the company behind the product.

It features a unique nanostructure, polymerization mode, matrix composition, augmented filler content and a highly homogenous formulation designed to minimize flaws attributed to esthetic and high-strength ceramics.

Composed of 61-percent zirconium silicate embedded in a high-temperature/high-pressure polymer matrix, a densely packed nanofiller of HC Block/Disk forms a skeleton that uniformly absorbs masticatory forces and promotes resistance to breakdown phenomena.

When compared to other CAD/CAM materials, HC Block/Disk manifests better machinability in terms of milling time, damage tolerance, wear of CAD/CAM instruments and the ability to be milled in a very low thickness, according to the company.

The high flexural strength of 191 MPa and Vickers hardness of 66 Hv0.2 make HC Block/Disk a good candidate for posterior restorations, implant-supported cases and long-term provisional.

Additionally, the hardness of the material also demonstrates values closer to dentin (ca. 65 Hv0.2), and thus no excessive antagonist wear can be observed, which is a concern when using conventional ceramics. Repairs of porcelain, zirconia and other ceramic materials have proven to be challenging. However, with HC Block/Disk, restorations can successfully be adjusted chairside with either a direct resin composite such as Beautifil Flow Plus (Shofu) or an indirect composite such as Ceramage (Shofu).
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Henry Schein is showcasing digital solutions here at the Greater New York Dental Meeting

By Henry Schein Dental Staff

Henry Schein Dental is featuring a lineup of solutions and educational programming at its booth, No. 4225. Attendees can expect to learn about Henry Schein ConnectDental digital solutions, Merchandise/Exclusives, Henry Schein Practice Solutions, Office Design, ProRepair and Glove Club.

In addition, Team Schein Members will engage in discussions with industry leaders via #ScheinChats. Henry Schein’s signature social media series available on Facebook Live.

Throughout the show, Henry Schein will showcase digital technology solutions, including scanners, milling units, 3-D printers, abutment solutions and the latest materials from the company’s digital platform, Henry Schein ConnectDental.

Members of the Henry Schein Dental leadership team, as well as representatives from 3M, 3Shape, ACTEON, Dentsply Sirona, DEXIS, FORMLABS, i-CAT and Planmeca, will be available to answer questions, suggest customized solutions and demonstrate new products such as the 3M™ True Definition Mobile Scanner, 3Shape TRIOS® 3 Wireless Intraoral Scanner, Planmeca Emerald™ next-gen intraoral scanner, Planmeca ProMax® 3D LE and more.

The company’s exclusive products will also be demonstrated, including The Wand® from Wand Dental, restorative solutions from Clinician’s Choice® Dental Products and the Precise® SHIP and LTM Lasers by the CAO Group.

Supporting education

Education, integration and support are the cornerstone of Henry Schein’s commitment to helping customers adopt the digital workflow with confidence and succeed in their practice. Throughout the meeting, Henry Schein and its supplier partners will host a series of in-booth presentations and demonstrations.

Today

• 1 p.m.: Schein “digiTALK” panel discussion featuring Dentsply Sirona

• 3 p.m.: A 2017 Guide to CAD/CAM and Chairside Milling (2 CE credit take home)

Monday

• 11 a.m.: 3Shape Trios Wireless, Live
• 1 p.m.: Schein digiTALK panel discussion featuring Planmeca
• 3 p.m.: Streamlining the Implant and Ortho Workflow (2 C.E. credit take home)

Tuesday

• 11 a.m.: A 2017 Guide to Digital Impressions (2 CE credit take home)
• 1 p.m.: Schein digiTALK panel discussion featuring i-CAT and Dexis

• 3 p.m.: Does Brand Matter in Dentistry?

Wednesday

• 11 a.m.: Marketing Myths and Realities for Dentists

Thought leader conversations

The Henry Schein Media Studio will serve as the broadcast center, featuring #ScheinChats, the company’s signature social media series available on Facebook Live that will offer conversations offering perspectives from oral health professionals, nonprofits and industry-leading supplier partners. This includes a discussion between Stanley M. Bergman, chairman and chief executive officer of Henry Schein, and Tanya Sue Maestas, president of the American Student Dental Association, who will share their perspectives on the advent of technology-enhanced learning in dental schools. Visit Henry Schein Dental’s Facebook page to watch the livestream: www.facebook.com/HenryScheinDental.
The glidewell.io Solution enhances the everyday practice of restorative dentistry by encapsulating the collective expertise of Glidewell Laboratories into an intuitive digital toolset. With the glidewell.io Solution, clinicians are empowered with more options and increased flexibility to deliver lab-quality restorations.

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Create restorations from your favorite materials in the convenience of your dental practice. The glidewell.io Solution supports materials that cover a wide variety of indications, from temporary inlays to long-lasting full-coverage crowns.
Dr. Larry Rosenthal believes that improving his patients’ smiles through “conservative cosmetic dental techniques” can have a positive and powerful impact on their overall appearance and self-confidence.

In his new book, “OPEN WIDE(R): A Guide to Smile and Facial Aesthetics to Enhance Your Confidence, Appearance, and Overall Health,” he breaks down the myths, deceptions and misconceptions about dental care and empowers you to take charge of your smile and the lifelong health you’ve always wanted and needed.

Rosenthal will be doing a book signing of “OPEN WIDE(R)” at The Clemens Group booth, No. 2813, at noon today.

Rosenthal is director of the Aesthetic Hands-On Continuum at The Rosenthal Institute at New York University.

Expounding his philosophies, experience and expertise, he also lectures, publishes and teaches throughout the country. He has been profiled on television, radio and in many leading publications.

He completed his residency at Montefiore hospital and graduated from New York University. He is an accredited member of the American Academy of Cosmetic Dentistry. In the 1980s, Rosenthal developed the procedure called the “Smile Lift” that patients from around the world visit his dental office to experience.

Rosenthal and Ross W. Nash, DDS, cofounder of the Nash Institute for Dental Learning, will together present an educational seminar, “Aesthetic Dentistry: A Retrospective Approach,” on Wednesday.

Rosenthal and Nash will present their clinical and philosophical approach to treatment planning and execution through the use of their own “Dream Teams” (lab, staff and coordinated specialists). They will focus on the past, present and the future of dental esthetics, from initial composites to porcelain veneers and, ultimately, interdisciplinary advanced cases. They will discuss new technologies, techniques and materials. For many patients, esthetic rejuvenation is an instant miracle and Nash and Rosenthal will emphasize the possibilities that exist today.
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NOTE: Times listed will be promoted and additional presentations can be added based on booth traffic.
REVEAL® HD Bulk is a light-cured bulk fill composite designed to improve the quality and timeliness of restorations, according to Bisco, the company behind the product. REVEAL HD Bulk is optimized to allow for easier, faster posterior restorations by combining superior levels of handling, placement and depth of cure in order to reduce the time needed to place multiple layers of composite to ensure a strong restoration.

With REVEAL HD Bulk, the company asserts you get all of the strength and hardness you’d want from a layering composite, the depth of cure necessary to apply the material in a single layer and the handling ability to do it all quickly and easily, saving you time and money.

According to the company, Bisco has perfected a filler-resin system refractive index that is nearly a perfect match, which means light can be effectively refracted and distributed through the material, allowing for an optimized depth of cure. The category-leading depth of cure allows for a solid restoration from the top-down, so you can create a single-layer restoration without the need for layering or placing a base/liner, while having the security of knowing there is no uncured material at the bottom of your restoration.

REVEAL HD Bulk has a proprietary filler technology that creates exceptional filler loading, allowing for uniquely superior handling and polishability, which gives REVEAL HD Bulk the look and feel of an anterior composite with the strength and depth of cure necessary to create resilient posterior restorations, according to the company. The prepolymerized ytterbium trifluoride filler complex also allows for exceptional radiopacity and strength while reducing shrinkage. Increased radiopacity provides practitioners with a means to monitor the integrity of the restoration, as well as seeing potential secondary caries develop, which makes this product an optimally functioning posterior composite.

According to the company, the ease-of-use allows for simple and convenient placement of the composite in the prep, while minimizing stickiness and pull-back. The handling ability provides an advantage over other current bulk fill products because of the proprietary filler technology, which allows the company to optimize the application process without compromising on features such as strength, shrinkage and depth of cure.

The company asserts that this superior usability ensures the composite fills the necessary margins without void or undesired placement, can be applied in a single layer through the entirety of the prep and will still create superior physical qualities to help design a posterior restoration with confidence.

Once placed as desired, REVEAL HD Bulk offers strength, hardness and limited shrinkage to establish a resiliency in your restoration.
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Booth #3627
Provide IPR without the stress

By ContacEZ Staff

The ContacEZ IPR Strip System is an innovative interproximal reduction system that makes interproximal enamel stripping safe and accurate, without creating sharp corners or subgingival ledges, according to ContacEZ, the company behind the product.

Designed for use with Invisalign, ClearCorrect, eCligner, Six Month Smiles and other orthodontic treatments, these flexible diamond strips are an ideal solution for providing IPR without stress for you or your patient, the company asserts.

• Safety and comfort: The tactile control that comes from the patented strip handle design helps prevent cuts to patients’ lips or gums, and the manual reproximation process avoids the heat build-up or vibration from discs and burs.

• Accuracy: Never worry about excess enamel removal again, according to the company, which asserts the easy-to-use system of increasing strip thickness and coarseness not only maintains efficiency through the entire reduction process but also gives you complete control over the amount of enamel removed.

• Built-in flexibility: Unlike rigid single-handed strips, ContacEZ IPR Strips are made to conform to and preserve the round contours found in natural dentition, helping prevent ledges, gouges and flat contacts.

• Versatility: In addition to the four strips of the IPR Strip System, the company also provides four IPR Optional Strips to help provide perfect IPR with every case. Use the additional single-sided strips for cases where you need to strip enamel adjacent to an anterior crown or veneer without damaging the restoration, and use the thicker strips, such as 40/50 strips, to create spaces up to 5.0 mm.

• Reusable: All ContacEZ dental strips can be sterilized in a steam autoclave and reused multiple times.

According to the company, the IPR Strip System has become a mainstay in the offices of doctors, educators and influencers all over the world.

“This system has become my go-to and is the standard in my Invisalign kit. Line-drive double in the gap for ContacEZ!”
— Dr. Joshua Austin

“Performing IPR is no longer a drudgery. Full control and ability to quickly establish the necessary reduction when doing Invisalign cases is greatly enhanced when using your strips. They are very user and patient friendly.”
— Dr. Curtis Chan

“I love your products! [ContacEZ] has made interproximal stripping safer for myself, my staff and my patients!”
— Dr. Susan Chen

Join ContacEZ at booth No. 3424 to experience how the IPR Strip System can benefit your practice and your patients. While there, learn about other ContacEZ products and take advantage of convention specials.
You have a well-developed practice and you’re contemplating retirement. But retirement laws have held back maximum funding of a pension plan that could allow you to live as you might have wanted. Now, however, you can obtain both immediate cash and ongoing, non-cash benefits by combining a newly defined benefit pension with an early sale of your practice. The plan involves starting a new retirement program now, using cash from the sale of your practice to fund a handsome retirement program, and to start living the “good life” earlier. In short, combining the sale of your practice with an employment contract from the buyer may very well produce a better result than continuing to work full time and then trying to sell at a later date.

Recent pension law changes can enable a dentist to obtain the highest price for a practice at the time that the practice is at its peak value. Much of the purchase price can be deferred into a retirement plan which will generate tax deductions for the retiring dentist. Actuarial funding levels for defined benefit plans can range from $30,000 per year to as high as $100,000 or more per year, all fully tax-deductible and all with the blessing of the IRS. The pension plan law allows the seller to make the maximum contribution without worrying about previous contributions to a defined contribution plan.

By selling the practice at its peak, the seller can obtain a much better overall price. The price can be negotiated so that part of the sales package includes continuing employment for the number of years needed to adequately fund the retirement benefits under the new pension plan. This is where the services of an experienced practice sales broker will be invaluable. The broker’s task is to evaluate the practice, locate the buyer and work out the overall transaction so that all parties benefit.

In the long run, this means less stress and more time off for vacations for the seller. Using an employment arrangement instead of a partnership agreement can also reduce the legal costs and the level of future risk. At the same time, the purchaser will gain from involvement in a mature practice rather than having to work to revive a declining practice.

If necessary, the retiring dentist can live on other assets while he is funding the maximum into the pension plan. If the seller is married, any amounts that the spouse might earn from separate employment can also be used to cover living expenses during this time. Since a substantial amount of the monies paid to the dentist will not be in the form of current taxable income, this will put the dentist in a lower tax bracket – a tax strategy your accountant will love.

Benefits that the seller accumulates in the plan will be rolled over into an individual retirement account, “IRA,” when the seller actually retires. The funds can be stretched out over a number of years and even past the death of the retiring dentist with minimal tax consequences. In summary, the retiring dentist stays on the payroll of the new company. Payments that otherwise would be made to the retiring dentist for the sale of the practice go instead to fund the salary for the seller under the employment contract and funds the new pension plan. Since the retiring dentist is likely to be older than any other employee, the bulk of the pension-plan contributions would be made on behalf of the retiring dentist. The result: Substantial monies go into the pension plan for the retiring dentist and are still fully tax deductible by the practice.

The time to begin planning your retirement is long before you actually retire. Recent changes in the law now allow you to shorten that planning timetable. By taking advantage of these changes, you will be preparing for a better life for yourself and your entire family.
Alpen ShapeGuard line adds a polisher for zirconia-based materials

By COLTENE Staff

COLTENE expanded its Alpen ShapeGuard line of diamond impregnated polishers to include Alpen ShapeGuard Zirconia Plus. With the addition, the Alpen line now has a ShapeGuard polisher for composite, ceramic and zirconia-based materials.

Alpen ShapeGuard Zirconia Plus Polishers are designed as a two-step system for zirconia finishing and polishing, and they are offered in a single head diameter of 140 1/10 mm. ShapeGuard’s spiral wheel design offers flexible lamellas that adapt to any surface for optimal polishing results.

ShapeGuard polishers are indicated for use in polishing and finishing restoration surfaces that include the occlusal, incisal, labial, buccal and lingual surfaces.

Alpen ShapeGuard Zirconia Plus Polishers are now available for sale in the United States and Canada and come in a five-pack for Step 1 and Step 2 refills or as an assorted pack (two of each Zirconia Plus step).

The ShapeGuard Zirconia Plus Polishers will be on display at the COLTENE booth, No. 4016.

The two-step Alpen ShapeGuard Zirconia Plus Polishers system. Left is step one, right is step two. (Photo/Provided by COLTENE)
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Tested, validated, preferred

By Dentatus Staff

Dentatus implants are safe, long-term solutions that you can rely on to provide patients with immediate function with minimal discomfort. What’s more, according to the company, Dentatus is the only system of its kind where a crown can be changed and adapted over time without causing any damage to the implant itself.

The upshot? In a single visit, a Dentatus ANEW implant is placed and a temporary crown is fabricated. Patients can immediately enjoy the benefits of an esthetic restoration and can conveniently schedule the next visit.

In the United States, Europe and Japan, more than 240 million people lack at least one tooth. In the U.S. alone, that number is 178 million. But, for a variety of reasons — medical, clinical, emotional, financial or maybe simply a lack of awareness that new teeth can be placed in one short minimally invasive procedure — a minority seeks implant procedures.

Since Dentatus ANEW® implants are considerably thinner than most other implants — available in 1.8, 2.2, 2.4 and 2.8 mm diameters — they overcome anatomical limitations. Because there is no need to orthodontically move teeth to create interdental space or to undergo ridge augmentation in order to build bone, the Dentatus ANEW implant is both a time- and money-saver, the company asserts.

Simply put, you can put your trust in this tested system that involves fewer procedures, requires less chair time and uses less hardware than is needed with standard implants, according to the company.

Dentatus Anew leaves more healthy bone intact — causing minimal trauma — and is known to result in less bone loss, according to the company. With just one short session, a secure provisional restoration is fabricated, allowing you conveniently, and at your own pace, to schedule your next visit.

In Quintessence’s International Journal of Periodontics and Restorative Dentistry, Dr. Stuart Froum and the implant team at NYU published “Long-term Retrospective Evaluation of Success of Narrow Diameter Implants in Esthetic Areas: A Consecutive Case Series with Three to 14 Years Follow-up,” documenting a 14-year follow-up on narrow-diameter implants. This case series evaluates peri-implant bone remodeling, bone loss, esthetic outcomes and, most importantly, patient satisfaction with the final restoration. No implant failures or prosthetic complications were reported, and all patients reported that they were “very satisfied.”

Visit Dentatus at booth No. 1714 to pick up a reprint and also be sure to check out the newest campaign, “Get Your Patients Selfie-Ready” — an easy-to-read patient education brochure touting the benefits of implants for your patients who have questions or hesitation about treatment. In our selfie-oriented world, a full complement of teeth is more important than ever before.

The brochure explains how patients will walk out with a new tooth that feels secure, believably natural and permanent.

To learn more about ANEW implants and the ‘Get Your Patients Selfie-Ready’ campaign, stop by the Dentatus booth, No. 1714.

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REVEAL. HD Bulk
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Combining equipment, ergonomics to enhance the patient experience

By Midmark Staff

Whether assessing existing operatories or designing a standardized blueprint for a new dental practice, there are a few key factors dental professionals should consider to help ensure an effective and safe delivery of care. Necessary equipment for all operatories includes the overhead lighting and patient chair, which are both vital instruments used in every patient visit. By gaining a better understanding of this equipment, dental professionals will uncover opportunities to improve efficiency and, ultimately, patient care.

Factors to help ensure an effective and safe dental space include:

**Operatory lighting**
Overhead lighting plays an important role in ensuring quality dentistry. It is important to have overhead lighting in the operatory that provides both the dentist and assistant with an even distribution of light in the oral cavity to help eliminate shadows, match shades, identify details and diagnose tissue.

Proper lighting provides the clinician with not only better visibility in to the oral cavity but also has the ability to help reduce eye strain on the part of the clinician, Midmark asserts. Eye strain may lead to reduced productivity and other eye issues later in the clinician’s career.

Many of today’s dental lights, such as the Midmark Dental LED Operatory Light, feature high-powered LEDs that remain safe and cool to the touch compared with halogen lights. With its advanced design, the Midmark Light provides the ultimate experience with less heat generation and a longer lifespan, according to the company. Color temperature on halogen lights tend to vary when adjusting the intensity, while LEDs hold a consistent color temperature.

**Patient chair**
Patient comfort is one of the most important factors in creating an ideal patient experience. The chair is where a patient will spend most — if not all — of his or her time during an appointment. No matter how long a patient spends reclined, chairs must be designed to offer premium patient support and comfort. Dental chair designs have significantly improved in recent years, focusing on the comfort level of patients, dentists and clinicians.

The ideal chair for any dental practice looking to enhance the level of care is one that is designed to synchronize, or move, with the human body and reduce patient anxiety. For instance, Midmark’s Elevance Dental Chair eliminates the need for the patient to readjust by offering a sculpted backrest to accurately position the patient’s neck and integrated armrests to support the patient’s upper body. It even features a built-in heat and massage system to further relax the patient during the exam.

In order to ensure comfort for the clinician, there are two important elements that need to be considered — the ergonomic positioning of the operator and the positioning of the patient in relation to the operator.

When choosing a chair, ensure there is enough access under the chair to work comfortably in normal operating positions. The design of the chair back is also key to proper clinician positioning and patient access. Rotating the chair allows further flexibility to help ensure the clinician has good visibility in the 11 and 12 o’clock positions while still maintaining access to cabinets and instruments. Newer chairs have electronic rotation systems that make it easy to rotate the chair instead of having to struggle with the older manual rotation release levers.

Considering the amount of hours clinicians spend working within the patient’s oral cavity, design of the dental chair should expand the range of travel in order to maintain optimal access. For example, the Elevance Dental Chair features a unique Cantilever™ design, allowing for unsurpassed range of travel and greater flexibility whether seated or standing, according to the company.

The chair’s seat height can be lowered to 15 inches and extended to 34 inches, allowing clinicians to bring the patient to the desired height needed for a proper exam. Optimal access is also crucial for maintaining an ergonomically correct working posture and maximizing performance, thus reducing the strain on the backs, shoulders, arms and wrists of the practitioner.

**Midmark dental products**
With the help of Midmark’s integrated portfolio of dental equipment, dental professionals can combine the right equipment with the appropriate ergonomic principles to further enhance the patient experience, according to the company. Dentists who can improve the overall effectiveness of their operatories will be in a better position to deliver efficient, high-quality patient care.
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One cannula, four applications

The bendable mixing tip with the latest Sulzer technology

By Sulzer Mixpac Staff

Sulzer Mixpac, a Sulzer business unit, is presenting a novelty at the Greater New York Dental Meeting 2017.

The T-Mixer Colibri plus, with integrated 360-degree rotation and up to 180-degree bendability for mixing and absolutely precise application of multi-component dental materials, can be used for four different applications: reconstruction with root post and core build-up, impression of root canal, cementation of root post and post core and impression taking of preparations and cavities.

All a dentist needs for these four applications is a mixing tip — which comes with the T-Mixer Colibri plus.

The flexible T-Mixer Colibri plus is an advanced development of the T-Mixer Colibri for Mixpac™ cartridges from 18-75 ml.

Many dentists are already familiar with working with this cannula for smaller volume applications (2.5-10 ml).

A mixing tip for easier daily routines

The proven advantages of the geometry of the reliable T-Mixers are now also available for cartridges with larger volumes, combined with the advantages of the bendable and rotatable Colibri™ application cannula, according to the company.

They even come now with a mixing tip, which allows ergonomic and highly professional work in areas that are difficult to access without the need for having to change the work field.

“Because of its consistent inner diameter, the bendable, gently rounded, medical metal cannula guarantees uniform dispensing in a bent condition,” said Daniel Ferrari, senior head business segment dental at Sulzer Mixpac.

According to the company, the gently rounded medical stainless-steel cannula assures patient safety during daily clinical practice.

Stop by booth No. 4421 here in New York to learn more.

To learn more about the T-Mixer Colibri plus, stop by the Sulzer Mixpac booth, No. 4421.
Every Practice
Every Patient
Every Day

Dentsply Sirona recognizes every practice is unique, which is why we offer a complete imaging solution that can be customized to the needs of you, your patients and your practice. Our industry-leading Schick 33 sensors offer stunning images in three sizes to fit the size and anatomy of each of your patients, while Sidexis 4 imaging software provides you with a complete diagnosis and patient communication hub for 2D and 3D imaging. And backed by our unique replaceable cable technology, and comprehensive support program, we offer a solution for every practice, every patient, every day.
Designs for Vision is introducing an advanced photonic design that provides uniform light distribution with maximum intensity. The patent-pending headlights optically focus the light from the LED to provide 45 percent more light with uniform distribution.

The new LED DayLite™ Micro HDi™ combines the new high-definition imaging with a very lightweight headlight in combination with the new Micro power pack, according to the company, which says the Micro power pack is the lightest and smallest available. The complete unit includes two power packs, and each power pack can run up to 10 hours.

Designs for Vision has also added the high-definition imaging to LED DayLite WireLess Mini HDi, providing a lightweight, cordless solution with light intensity comparable to many corded headlights. You can choose high-definition imaging with either a wired or wireless design to meet your preference, and all HDi headlights will illuminate the entire oral cavity.

Designs for Vision’s WireLess headlights free you from being tethered to a battery pack. The simple modular designs uncouple the headlights 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 LED DayLite WireLess headlights are independent of any frame/loupes.

In addition, Designs for Vision is also featuring the REALITY 5-star rated The Micro 3.5EF Scopes, which utilize 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.

Building on the award-winning design, the newest addition to the Micro Series line is the Micro 4.5EF Scopes. These scopes reduce both the size and weight of the telescopes by 44 percent.

On the move
Designs for Vision has expanded into a new 67,500-square-foot location at 4000 Veterans Memorial Highway in Bohemia, N.Y. You can visit www.DesignsForVision.com/move.htm to check out some photos.

Here in New York
You can see the Visible Difference yourself by visiting Designs for Vision’s booth, No. 1813, or contact the company to arrange a visit in your office by calling (800) 345-4009 or emailing info@dvimail.com.
QUALITY, RELIABILITY AND SAVINGS? ONLY FROM MIDMARK — THE BRAND YOU CAN TRUST.

For a limited time, you can score big savings on the most popular operatory package from Midmark. Now is a better time than ever to build the dental office of your dreams.

VISIT BOOTH #4609 NOW TO EXPERIENCE THE MIDMARK DIFFERENCE.

Some restrictions may apply. Please ask for details at the Midmark booth.

Midmark Corporation, Dayton, OH.
Rely on Us for Practice Care, so you can focus on Patient Care

Your reliable trusted advisor.
Henry Schein is a health solutions network, powered by people and technology. Practitioners rely on Henry Schein for all the clinical, technology, business and supply chain solutions needed to operate efficiently and provide quality patient care.

Visit us at Booth #4225 to learn more about how we can meet the unique needs of your practice and help you achieve your goals.

- Equipment & Technology
- Clinical Supplies
- Business Solutions
- Financial Services
- Office Design
- And, more!

Stop by our booth!
Check out the latest new products available, and be sure to grab an "I love Digital Dentistry" bag!

LIVE PRODUCT DEMOS!

TODAY’S SCHEDULE

NEW! IN-BOOTH THEATER PRESENTATIONS

1:00PM  SCHEIN DIGITALK PANEL DISCUSSION, FEATURING DENTSPLY SIRONA!

3:00PM  A 2017 GUIDE TO CAD/CAM & CHAIRSIDE MILLING - 2 CE CREDIT TAKE-HOME

GLASS CLASSROOM #5800

9:45AM-12:45PM  DOUBLE YOUR PRODUCTION TOMORROW
By: Dr. Steven Hernandez

2:00PM-5:00PM  50 THINGS YOU DIDN'T KNOW DENTRIX COULD DO
By: Miranda Reed

FOR MORE INFORMATION, GO TO HTTPS://HNRYSC.HN/GNY17HSD
# DAILY EDUCATION

## MONDAY’S SCHEDULE

**NEW! IN-BOOTH THEATER PRESENTATIONS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>11:00AM</td>
<td>3SHAPE TRIOS WIRELESS DEMO – LIVE!</td>
</tr>
<tr>
<td>1:00PM</td>
<td>SCHEIN DIGITAL Panel Discussion – FEATURING PLANMECA!</td>
</tr>
<tr>
<td>3:00PM</td>
<td>STREAMLINING THE IMPLANT AND ORTHO WORKFLOW – 2 CE CREDIT TAKE-HOME!</td>
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**GLASS CLASSROOM #5800**

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:45AM-12:45PM</td>
<td>DOUBLE YOUR PRODUCTION TOMORROW By: Wendy Briggs</td>
</tr>
<tr>
<td>2:00PM-5:00PM</td>
<td>DENTAL OFFICE DESIGN – TRANSFORM YOUR PRACTICE &amp; ENHANCE YOUR HEALTH By: Jaqueline Russo, RN, DDS</td>
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## TUESDAY’S SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>11:00AM</td>
<td>A 2017 GUIDE TO DIGITAL IMPRESSIONS – 2 CE CREDIT TAKE-HOME!</td>
</tr>
<tr>
<td>1:00PM</td>
<td>SCHEIN DIGITAL Panel Discussion – FEATURING I-CAT AND DEXIS!</td>
</tr>
<tr>
<td>3:00PM</td>
<td>DOES BRAND MATTER IN DENTISTRY?</td>
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<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>9:45AM-12:45PM</td>
<td>DENTISTRY 20/20 WORKSHOP: A VISION FOR THE FUTURE OF YOUR PRACTICE By: Eric Nuss</td>
</tr>
<tr>
<td>2:00PM-5:00PM</td>
<td>HENRY SCHEIN DENTAL HANDPIECE AND EQUIPMENT REPAIR HANDS-ON WORKSHOP By: Henry Schein Dental Service Technicians &amp; ProRepair</td>
</tr>
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## WEDNESDAY’S SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>11:00AM</td>
<td>MARKETING MYTHS &amp; REALITIES FOR DENTISTS</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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</thead>
<tbody>
<tr>
<td>9:45AM-12:45PM</td>
<td>50 THINGS YOU DIDN'T KNOW DENTRIX COULD DO By: Miranda Reed</td>
</tr>
<tr>
<td>2:00PM-5:00PM</td>
<td>DOUBLE YOUR PRODUCTION TOMORROW By: Wendy Briggs</td>
</tr>
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**ASK ABOUT OUR CYBER MONDAY DEALS**

**FLASH SALE!**

Ask a Henry Schein Dental Consultant about our Cyber Monday offers!

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**#SCHEINSELFIE**

Look for our Snapchat Geofilter and take your #ScheinSelfie!!

Take a selfie at the Greater New York Dental meeting and use our “ScheinSelfie” Snapchat filter! Save your selfie and upload to Facebook, Twitter, and/or Instagram with the hashtag #ScheinSelfie.
Planmeca brings ‘CALM’ to your dental imaging

There has been a disruption in the capture of dental images, but remain CALM. Planmeca has the solution. The No. 1 disruptor of image quality for dentists is patient movement. During a dentist appointment, a doctor may need to take several 3-D X-ray scans to get a single image of diagnostic quality. Oftentimes, a child, an individual with special needs or an elderly patient are challenged to remain still. This may result in the patient being X-rayed multiple times, which adds more time to the appointment and frustration for patient and doctor, not to mention the concern of additional exposure to radiation.

We created Planmeca CALM™ (Correction Algorithm for Latent Movement), a proprietary Planmeca algorithm, to address doctors’ concerns over patient movement during a 3-D scan. With Planmeca CALM, our CBCTs can analyze and compensate for the slight movement that can occur during a scan to provide improved diagnostic-quality images.

The addition of this feature (available for every new Planmeca ProMax® 3-D imaging system) will streamline the imaging process, minimizing retakes while improving diagnosis. The important benefit to patients: fewer retakes equals less radiation while achieving better diagnostic images.

“Dentists evaluating CBCT machines for purchase should focus critically on each manufacturer’s solutions for stabilizing the patient in the machine,” said Dr. Dale A. Miles DDS, MS (Inside Dentistry, May 2017). Planmeca CALM addresses this doctor requirement as it can compensate for slight movement to produce diagnostic-quality images.

Planmeca CALM is available on new Planmeca ProMax 3D imaging systems or as an upgrade for existing units — check with your authorized Planmeca dealer. Our advanced imaging systems provide detailed and accurate 3-D scans of patients — children and adults.

Technology is transforming dentistry. Our Planmeca CALM imaging algorithm is the latest example of dental innovation and how we improve patient safety/comfort and a clinician’s workflow.

About Planmeca
Planmeca is one of the largest privately held companies in the dental equipment market and one of the industry’s leading manufacturers of dental X-rays and core equipment.

For more information, come visit www.planmecausa.com or find us on Facebook at www.facebook.com/PlanmecaUSA, on Twitter at twitter.com/PlanmecaUSA and LinkedIn at www.linkedin.com/company/planmeca-inc.
This year, Orascptic became the first company ever to receive three Cellerant “Best of Class” Technology awards. Stop by Booth 4618 to check out the award-winning products for yourself!

OMNIOPTIC™ | INTERCHANGEABLE MAGNIFICATION

OmniOptic is the first and only interchangeable magnification loupe. Offering a range of magnification powers from 2.5x - 5.5x, this system is the ideal solution for simplified magnification upgrades over time or between procedures.

EASE-IN SHIELDS™ | LASER PROTECTION

Ease-In Shields are an ideal way to protect your eyesight during hard and soft tissue laser procedures and procedures performed with a curing light. A unique and lightweight design works with most loupe and eyewear models and allows the user to easily slide the shield in and out of the frame between procedures.

SPARK™ | CORDLESS HEADLIGHT

The Spark is Orascptic’s cordless headlight that integrates with virtually any eyewear frame model. Spark dispenses weight evenly across the bridge of the frame, minimizing concentrated facial pressure. The headlight emits a precisely focused beam of light that uniformly illuminates the entire field of view.

888.355.7117 | Orascptic.com
TAUB Products: Esthetic products developed for KOLs, clinicians, dental educators and your practice

By TAUB Products Staff

As industry products and technology advance at a continually fast pace, new procedures and methods are implemented. The focus at TAUB Products is to keep pace with these advances by offering products that deliver the best results possible, through simple and easy integration, no matter how doctors and labs practice dentistry.

TAUB is proud to introduce a revolutionary dual cure acrylic resin – STELLAR DC Acrylic. STELLAR DC Acrylic pattern resin is great for creating verification indexes, transfer and insertion guides for implants; positioning misaligned implant components during seating; connecting or fixing single implants parts for soldering. STELLAR is creating structure models of implant components, crown and bridge, zirconia and inlay and onlay restorations.

STELLAR DC Acrylic can be light cured in 20 seconds or will cure on its own in 60 seconds. It provides the fastest production time of any pattern resin and acrylic, burns out completely and leaves no residue, according to the company. The material can be layered, reproduces detail accurately and very easily.

“STELLAR DC Acrylic is a great addition to our product line” said Jordan Taub, executive vice president at TAUB Products. “Using our chemistry and technology, we can now offer the CDT and prosthetodontist an acrylic that increases production by dramatically reducing production times, which helps the bottom line. STELLAR’s on-demand continuous flow of material allows quick and easy fabrication,” he added.

TAUB is known for three products that solve many issues when placing cement-retained implant restorations. GoCHX Gel Syringeable Chlorhexidine, Liquid Magic Resin Barrier abutment access plug and ZERO-G Bio-implant Cement.

According to Jordan Taub, “Zero-G provides permanent cementation of implant restorations and, at the same time, retrievability of those restorations. This is the best of both worlds for the doctors who want access to the abutment and also for the doctors who never want the restoration to come off.

“When we designed this cement, we understood incomplete cleanup of other cements, and peri-implantitis was a cause of concern. Giving Zero-G the highest radiopacity over any other implant cement makes any excess cement extremely visible. The cleanup is unlike anything else on the market; any excess can be completely removed”.

Liquid Magic Resin Barrier Material is used for implant and cosmetic dentistry. It can be used to fill abutment access holes, replacing Teflon tape and other products typically used. Liquid Magic is placed into the access hole, light cured and can be easily removed. Liquid Magic can be used for cement or screw-retained restorations. As a barrier product, it can be used when isolation is desired.

GoCHX Gel Syringeable Chlorhexidine is a thin, non-alcohol based gel containing 0.8 percent chlorhexidine in a water-soluble formula. As a gel, GoCHX can be applied precisely, staying where it is placed, and rinses completely. Use GoCHX Gel for everyday use.

From no-prep restorations to full mouth reconstructions, using e.max®, CEREC®, zirconia, lithium disilicate, feldspathic porcelain and PFMs, FUSION-Zr® Esthetic Resin Cements provide the best results, according to the company. These esthetic cements allow dentists to present their best work by offering ease of use, fast cleanup, high bond strength and correct color representation.

“My patients expect my restorations to pop,” said Ross Nash, DDS, of the Nash Institute in Charlotte, N.C. “They can’t just be good; they need to be the best. I get best results when using Fusion-Zr Resin Cements.”

Launched in 2016, Ca-Lok Flowable Adhesive Calcium Base/Liner is a light-cured, calcium-filled resin. Unlike any other resin or MTA bases and liners, Ca-Lok offers adhesion to tooth structure, preventing movement and sensitivity, and has seamless compatibility to other restorative materials, according to the company.

Ca-Lok is radiopaque and releases calcium and fluoride. Use Ca-Lok when practicing conservative dentistry.

TAUB Products is located at booth No. 2708. Please stop by for a demonstration, grab literature, have a famous Larry Cookie, and find out about show specials.

TAUB Products is also currently looking to build its lecture-based clinicians. If you feel any of these products have value in your dental education programs, please stop by the booth, call TAUB at (800) 828-2634 or email Jordan Taub at jordan@taubdental.com.

Sure Business Logic launches new website

By Sure Business Logic Staff

Sure Business Logic, a sales services and marketing services firm, has launched a new website, www.surebusinesslogic.com. Sure Business Logic develops product lines and sales programs, identifies strategic sales tactics and uses innovative marketing techniques to establish company and product branding and build long-term sales growth. The company’s new website features information about Sure Business Logic, its services, dental educational programs and events, and company founder and CEO Ed Matthews.

“We are a sales service company specializing in the dental industry,” Matthews said.

The company’s services include the development of world-class dental education programs and training materials.

“We believe that providing good educational content with value helps clinicians find the tools needed for best results for their practices and, most important, for their patients. These programs create brand loyalty and goodwill for the companies providing this content,” Matthews added.

Sure Business Logic was founded in 2010 by Matthews, a seasoned dental industry marketing executive. The sales and marketing services company specializes in developing sales programs and procedures and creating brand awareness programs.

For more information

To learn more about Sure Business Logic, visit the new website or contact Ed Matthews at sblogic@optimum.net or by phone at (516) 883-3443. Sure Business Logic works exclusively in the dental industry and specializes in helping dental manufacturers with their branding and rebranding efforts.
Creator of the modern diode laser brings back two top-selling designs

EPIC Q4 PROMOTION

$1999
PIioneer Pro
Simple yet superior

$2999
PIioneer Elite
Portable and profitable

Plus - Pioneer is offering a trade-in program – accepting any dental diode lasers and provide additional savings:
- $1,799 with trade-in for the Pioneer Pro
- $2,499 with trade-in for the Pioneer Elite.

pricing valid until 12/31/17

Visit us at Booth #4639 or at PioneerLasers.com
Glidewell Dental has announced an agreement with Align Technology to distribute the iTero Element® intraoral scanning system in North America with the newly unveiled glidewell.io™ InOffice Solution, a chairside restorative ecosystem set to simplify the process of prescribing and delivering laboratory-quality dental restorations.

The glidewell.io Solution will provide a streamlined workflow with Align’s iTero Element scanner and Glidewell’s fastdesign.io Software, which serves to auto-design restorations for the clinician’s approval or communicate with the lab’s digital design experts as needed. Final designs can be used to prescribe a laboratory restoration or sent to the fastmill.io In-Office Unit for immediate chairside milling.

“The promise of convenience offered by chairside milling systems tends to be offset by the cost and complexity of adoption,” said Stephanie Goddard, vice president of business operations at Glidewell Dental. “In contrast, glidewell.io uses artificial intelligence and other advanced technologies to effectively streamline the restorative process, enabling clinicians to focus on the needs and comfort of their patients.”

Mike Selberis, Glidewell Dental’s chief technology officer, said: “An accurate restoration is almost entirely contingent upon an accurate scan. Beyond its impressive speed and inimitable precision, the intuitive interface and integrated training resources of the iTero Element scanner make it an easy choice as our preferred entry point for clinicians looking to tap into the full range of services provided by glidewell.io.”

“This agreement represents a win-win for dentists and their patients,” said Raphael Pascaud, Align Technology chief marketing, portfolio and business development officer and vice president iTero scanner and services. “The convenience and precision of intraoral scanning continues to replace conventional impression-taking techniques and enables an efficient digital start to the restorative treatment process. The natural extension of Glidewell’s digital production processes into a chairside form factor is a key driver for same-day dentistry and fits well with our strategy to transform the industry through digital products and solutions.”

“Align has long been at the forefront of digital dental technology,” said Jim Glidewell, founder and president of Glidewell Dental. “Their pioneering spirit and drive for continued innovation are very much in line with our company’s goal to remove barriers to patient treatment, and I couldn’t be more excited about this dynamic pairing.”

The glidewell.io In-Office Solution featuring the iTero Element scanner was introduced and previewed to a select group of clinicians attending the inaugural Glidewell Dental Symposium earlier this month in Dallas.

For a hands-on opportunity for yourself, stop by the Glidewell booth, No. 5001, for a hands-on demonstration of the glidewell.io In-Office Solution featuring the iTero Element scanner.
BRILLIANT EverGlow®
UNIVERSAL SUBMERSION HYBRID COMPOSITE
• Outstanding polishability and gloss retention
• Brilliant single-shade restorations simplify color management
• Highly flexible for all indications

BUY 1 EverGlow System Kit (syringe or tip)
BUY 1 EverGlow Starter Kit (syringe or tip)
BUY 3 EverGlow refills (laboratory syringe or tip)

Alpen® ShapeGuard Polishers
ShapeGuard facilitates introral finishing and polishing of the following areas: interproximal, occlusal, incisal, labial, buccal, lingual

BUY 3 ShapeGuard Zirconia, Ceramic or Composite Plus Polishers
BUY 3 ShapeGuard Zirconia, Ceramic or Composite Plus Polishers

Alpen® Rotary Burs
The Alpen brand and its rotary instruments have been synonymous for Swiss quality, precision and reliability and American ingenuity for over 30 years.

BUY 5 100 packs of Operative and Surgical burs
BUY 5 10 packs of Operative and Surgical burs
BUY 5 100 packs of Speedster Metal Cutter burs
BUY 5 10 packs of Speedster Metal Cutter burs
BUY 5 50 packs of Multi-Use Diamond burs
BUY 5 30 packs of Trimming and Finishing burs

Introducing SoloCem®
One step reliable cementation

BUY 2 SoloCem refills (any shade)
BUY 1 SoloCem Intro Kit (any shade)

Introducing DuoCem®
Trust the superior bond strength of DuoCem — Especially where light can’t reach

BUY 2 DuoCem refills (any shade)
BUY 1 DuoCem Intro Kit (any shade)

HyFlex CM® controlled memory files

BUY 30 HyFlex CM refills
BUY 10 of the same

S.P.E.C. 3 LED Curing Light

BUY 1 S.P.E.C. 3 Curing Lights
GET 1 of the same

BioSonic® Solutions
• MeterDose® dispensing bottles
• Super concentrated
• Super effective
• Super convenient

BUY 3 bottles of UC30, UC32, UC38 or UC47
GET 24 batteries

Year End SPECIAL
SPEND $5,000 on any combination of COLTENE products and get a $500 GIFT CARD REBATE*

*Offer period is November 21, 2017 through December 31, 2017. Eligible in the United States and Canada only. Must be used in conjunction with other COLTENE promotions. Only one rebate may be purchased on a maximum of five orders. Please submit rebate request with proof of purchase to rebates@coltene.com or fax to 412-867-2010. Promotion code must be clearly marked for redemption. Please include full address, phone number and email address on your order information.

Call Us: 800.221.3046 | Fax: 330.645.8757 | coltene.com
By Prophy Magic Staff

According to the Center for Disease Control and Prevention (CDC) Guidelines, handpieces and other intraoral instruments that can be removed from the air and waterlines of dental units are considered semicritical devices.

In addition, studies show the internal portions of high-speed handpieces and low-speed handpiece motors can become contaminated and that it is possible for retained patient material to be released into the mouths of subsequent patients. Therefore, handpieces and other intraoral instruments should be removed from the air and waterlines of dental units, cleaned and heat-sterilized between patients.

Follow the manufacturer’s instructions for cleaning, lubrication and sterilization. Do not surface-disinfect, submerge in liquid chemical sterilants or barrier-protect these instruments because these methods cannot adequately clean, disinfect or sterilize the internal components.

These instruments include, but are not limited to, high-speed, low-speed, electric, endodontic and surgical handpieces as well as all handpiece motors and attachments, such as reusable prophylaxis angles, nosecones and contra-angles.

(Reference: www.cdc.gov/oral-health/infectioncontrol/questions/dental-handpieces.html.)

Solution

Prophy Magic (PM) is the home for *CR Choice Prophy Angles, but the company also produces fully autoclavable handpieces that are “where compliance meets comfort.” The low-speed motors are Etype, which enables any Etype attachment for use. They are also fully autoclavable, and with PM deals, you can get them free — which help to enable a sterile and compliant dental office without significant ongoing investments, the company asserts.

With an appropriate number of dental handpieces and associated attachments, along with top-rated prophy angles, PM can help your office properly ensure a safe and sterile environment for patients and staff but also eliminate downtime the new recommendations will employ.

*Clinicians Report is an independent, non-profit, dental education and product testing foundation.

Important CDC recommendations with a Prophy Magic solution

**Prophy Magic handpieces. (Photos/Provided by Prophy Magic)**

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cara Scan 4.0i and Flexitime® Fast & Scan

» cara Scan 4.0i opens your door to automated processing. Go digital without the investment and training time.
» Take the impression the way you always do by using Flexitime Fast & Scan, our scannable impression material.
» Scan it with our extraoral scanner cara Scan 4.0i. You gain higher precision and detail thanks to direct scanning.

Go digital without the costs!

Giving a hand to oral health.
STOP BY THE i-CAT BOOTH 4618 FOR FRESH BREWED COFFEE & COOKIES AND TALK CONE BEAM
YOUR GATEWAY TO 3D

DEPENDABLE | ADAPTABLE | AFFORDABLE

NEW

Entering the world of 3D imaging has never been easier.

From endo to airway studies, the new Kavo OP 3D is a flexible and affordable system that makes obtaining the right image achievable. With an intuitive interface, automated protocols, and customizable fields of view—plus the ability to take standard or pediatric 2D panoramic images, the Kavo OP 3D is the right system for your practice, both now and in the future.

BOOTH #4618

Come See Dr. Terry Work and learn more about OP 3D

Lecture times for Sunday, November 26:
11:00 am, 1:30 pm and 4:00 pm

FOV 5 x 5 cm

FOV 6 x 9 cm

FOV 9 x 11 cm

FOV 9 x 14 cm

Schedule a demo today at go.kavokerr.com/002688

Dental Excellence
Meisinger to host its 8th High Altitude symposium

By Meisinger Staff

Meisinger’s 8th Annual High Altitude Comprehensive Implant Symposium is raising the bar in continued education for dental professionals, according to the company. With world-renowned speakers, a spectacular venue, hands-on training and time left to hit the slopes, this symposium should not be missed.

It will take place from Jan. 31 to Feb. 3 at the beautiful Vail Marriott Mountain Resort in Vail, Colo. Speakers and workshop presenters for 2018 include: Michael S. Block, DMD; Farhad Bolich, DMD, MS; Greg Campbell, DDS; Dan Cullum, DDS; George Duello, DDS, MS; Scott Ganz, DMD; Robert Gellin, DMD, MHS, FACD; Arne Hoffmann, PhD, DDS, CDT, CDA; Dwayne Karateew, DDS; Aldo Leopardi, BDS, DDS, MS; Mark Lucas, DDS; Mario Roccuzzo, DDS; John Russo, DDS, MHS, and Devorah Schwartz Arad, DMD, PHD.

According to the company, this is a one-of-a-kind symposium, offering the potential to earn up to 28.75 C.E. credits. There is limited attendance for all lectures and workshops, so sign up soon before it sells out.

To register, contact Shelly O'Toole-Green at Meisinger USA at (303) 268-5400 or sotoolegreen@meisingerusa.com.

You can also register online at www.meisinger.de/index.php/hacis.html.

Vail, Colo., is the site of Meisinger’s symposium. (Photo/Provided by www.freeimages.com)
New Product Introduction

STELLAR DC Acrylic
Indexes / Structure Models / Pattern Resin

USES:
- Create verification indexes, transfer and insertion guides.
- Position misaligning implant components during seating.
- Connect or fix single implants parts for soldering and welding.
- Pattern Resin.
- Structure models of implant components, crown and bridge restorations, Zirconia, Inlays and onlays.
- Copings for PFM.
- Direct and indirect post and core.
- CDT and Prosthodontist approved.

FEATURES:
- Dual Cure: Light cure 20 sec, Self-cure 60 sec.
- Fastest production times.
- Burns out clean – “no residue”.
- Material easily layered.
- Excellent and accurate reproduction of detail. Grinds easily.

ITEM #: SD1010 - Red - 1x 5.85gm Syringe

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Retrievable - Easy to See
Simple Removal of Excess Cement
- Retrievable long term permanent cementation
- Simple removal of excess cement
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- Highest radiopacity
- Biocompatible - Non-irritating. Kind to tissue. Neutral PH
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- Low film thickness
- Great color contrast to tissue

ZERO-G™ Case Presentation
Dentistry and Photography by: Ross Nash, DDS

Liquid Magic™
Resin Barrier for Implant & Cosmetic Dentistry

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Light cure resin used to fill and seal implant abutment access holes as opposed to cotton / teflon tape.
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Isolate and contain restorative materials.
- Biomimetics - seal out unwanted materials.
- Block out, undercuts, and other similar uses for Dental and Lab procedures.

Liquid Magic™ Case Presentation
Dentistry and Photography by: Ross Nash, DDS

All products proudly made in the USA

By Medidenta Staff

Medidenta is proud to introduce the new Foresight 45 self-generating LED surgical handpiece for use in surgery, periodontal and endodontic procedures.

The Foresight 45 SGL incorporates an air-driven generator inside of the handpiece to power a bright LED light directly into the surgical pocket. This technology illuminates the operative field without the need for fiber optic systems from a delivery unit.

Traditionally, fiber-optic systems provide the source of light through a bulb in the coupler or in a tube from the air line. This light travels through a fiber-optic rod that leads to the head of the handpiece. This fiber-optic rod has a tendency to yellow over multiple autoclaves, lowering the color temperature and dimming the transmitted light to the working site.

These fiber-optic systems contain other components, such as bulbs and electrical sources, which also need to be maintained.

The Foresight 45 eliminates the need for multiple components, providing you with a single-piece solution to your lighting needs with a standard four-hole back-end handpiece.

Many dental offices rely on overhead lamps or loupes to light surgical procedures. The downside to this, however, is that it will create shadowing in the working site.

When using the Foresight 45 SGL, you can eliminate any shadowing that would have been created using those lighting setups. With a direct LED light inside of the surgical pocket, you will experience more visibility, a wider field of view and a brighter working site, according to Medidenta.

Unlike conventional surgical handpieces on the market where air escapes from the back of the headcap, the Foresight 45 SGL does not allow any air to escape into the oral cavity.

All of the excess air is funneled to the back end of the handpiece, eliminating all possibilities of an air embolism. This ensures an air-free oral cavity, allowing for multiple surgeries in succession while still maintaining patient safety.

The 45-degree head offers maximum access and visibility when performing all surgical procedures. It is capable of extreme power, Medidenta asserts, delivering more than 20 watts of constant torque for consistent cutting power even under the heavy load conditions that often occur while sectioning third molars.

The patented chuck design works to grip the bur tighter as the RPMs increase to ensure patient safety and minimize the risk of bur slippage. It also comes backed with a one-year warranty that covers both the shell and the turbine, which is among the highest in the industry for a surgical high-speed handpiece, according to the company.

Here in New York

To test drive the Foresight 45 self-generating LED surgical handpiece, stop by the Medidenta booth, No. 916.
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To learn more about the conference visit www.mis-implante.com/bahamas
Getting it done right the first time

By Kettenbach Staff

- Are you purchasing impression material in bulk from your supplier? Is there no reason to change anything because everything is working fine? What if you could buy a premium product, highly acclaimed by the profession’s leaders, shipped directly from the manufacturer? This can be achieved when switching to Kettenbach.

We provide the highest quality performing materials that will reduce the number of retakes because accuracy is achieved the first time. And with impressions done in one take, less material is used and more cost saving is realized.

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Here in New York

To learn more about Kettenbach impression materials, stop by the booth, No. 3537, and check out the Panasil family of products.

*The Panasil family of products encompasses A-silicone-based precision impression materials in various viscosities for all impression techniques and demands. To learn more, stop by the Kettenbach booth, No. 3537. (Photo/Provided by Kettenbach)
Is Your Office In Compliance With CDC sterilization guidelines?

In 2016, the CDC issued additional Guidelines for Infection Control, which contains the most up-to-date infection prevention recommendations and expectations for safe care in dental settings. Handpieces are specifically mentioned in the following statement:

"Dental handpieces and associated attachments, including low-speed motors and reusable prophylaxis angles, should always be heat sterilized between patients and not high level or surface disinfected. Although these devices are considered semi-critical, studies have shown that their internal surfaces can become contaminated with patient materials during use. If these devices are not properly cleaned and heat sterilized, the next patient may be exposed to potentially infectious materials."  


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- 360° SWIVEL
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- WEIGHT - 1oz
- 16 WATTS

GNY BOOTH #916

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By Keystone Industries Staff

Keystone Industries’ Gelato Prophy Paste was named the Top Prophy Paste in the hygiene category of The Dental Advisor’s 2017 Product Awards, an award Keystone has now won from the respected publication five times consecutively.

In the clinical research conducted on Gelato, 35 consultants used the product more than 2,500 times and came to an overall 91 percent clinical rating. Among the consultants, 63 percent said they would switch to Gelato Prophy Paste, and 80 percent said they would recommend it to dental professionals.

Consultants involved in the clinical testing also remarked that Gelato Prophy Paste “does not splatter,” “is easy to rinse” and “cups are color-coded and easy to open.”

The annual Product Awards compiled by The Dental Advisor are one of the most respected awards to receive in the dental industry because of their in-depth research and analysis to recognize the highest-quality products on the market.

Because the prophy paste market is flooded with many superb products, The Dental Advisor’s editorial board must debate, discuss and vote on a product that fits its criteria for innovation, quality and excellence every year.

Gelato is one of few products to win this many times consecutively.

Gelato Prophy Paste was created and designed with dental hygienists’ needs in mind. The main goal of the product is to allow easy use for the dental hygienist with great results and to give the patient a satisfying experience. This is made possible by being able to apply Gelato smoothly without any splatter, all while coming in six flavors, including piña colada, bubble gum, cherry, mint, raspberry and orange sherbet.

The paste comes packaged in 200-count boxes of single-use cups, for convenient use and to eliminate cross-contamination. Gelato is also available in four different grits: fine, medium, coarse and x-coarse. More buying options are available as well, such as 6-ounce (exports only) and 12-ounce jars.

“Winning this award once was a great feeling, and three times was even better. Now, as we look at our fifth win, it’s not only incredible for Keystone but also for hygienists everywhere using Gelato,” said Derek Keene, vice president of marketing and product development.

“We take great pride in being able to offer the best dollar value on our prophy paste even after it has won such prestigious awards. It really begs us to ask those who haven’t tried it the question, ‘Why not?’”

For more information on Gelato Prophy Paste or any of Keystone’s many products, contact Keystone Industries toll-free at (800) 333-3131 or go online to dental.keystoneindustries.com.
Lasers have revolutionized the way dental professionals provide care.

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**See DenMat’s line of state-of-the-art small equipment at Booth #4127.**
Revolutionizing local anesthetic delivery: A shot both patients and practitioners can love

Now, buffering can be done with the simple twist of a knob

By Anutra Staff

“I didn’t even know you gave me a shot,” Barb said as Dr. Kelly picked up his handpiece and went to work immediately.

For decades, the idea of getting a dental injection has terrified patients. Quite frankly, the uncertainty, unpredictability and long onset time of local anesthetic equally terrifies the practitioner.

The Anutra Local Anesthetic Delivery System redefines local anesthetic delivery, according to the company. It enhances patient experience and comfort while transforming a practitioner’s efficiency and profitability as well as the profundity and predictability of local anesthetic.

Buffering is an age-old science that has been used in the medical community for decades. Buffering is simply taking something acidic and mixing it with something more basic to neutralize the acid. So why does this matter in dentistry?

Lidocaine with epinephrine has a low pH, meaning it is extremely acidic. In fact, its pH is close to that of citric acid, which is found in limes and lemons. Could you imagine injecting lemon juice into someone’s mouth? We simply would not do that.

Much of the burning and stinging sensation comes from the fact that local anesthetic is very acidic. The Anutra Local Anesthetic Delivery System makes buffering simple. By loading an Anutra Cassette at the beginning of the week, clinicians can simply buffer anesthetic for every patient by twisting the knob on the Anutra Dispenser.

What adds to the power of buffered anesthetic is a topical effect that is a result of a CO2 microbubble that is formed when local anesthetic is mixed with sodium bicarbonate. Many practitioners report dropping a small amount on the mucosa prior to injecting for a very powerful topical anesthetic.

Not only is patient comfort increased with buffered anesthetic, a practitioner’s efficiency is dramatically optimized. Because buffered anesthetic is raised to physiologic pH, the anesthetic crosses the nerve membrane more readily, meaning a patient can reach pulpal anesthesia in as little as two minutes, even with blocks.

Additionally, anywhere from 4,000 to 6,000 times the active molecules of anesthetic will cross the nerve membrane, making it more profound than normal lidocaine, as well as increasing the predictability that a patient will get numb the first time, even on those hard-to-numb patients.

Not only does the Anutra Local Anesthetic Delivery System provide a simplistic platform for you to buffer in your practice, it also introduces the first known FDA approved, multi-dose, one-handed aspiration syringe that is fully disposable.

So what does that mean? It means you can hold up to 6 milliliters of anesthetic in one single syringe. No need to reload cartridges—one syringe can hold the equivalent of at least three traditional 1.8 mL dental cartridges.

With a cost point that is affordable, a revolutionary new syringe, a simplistic dosing system and a long shelf life, the Anutra Local Anesthetic is a no-brainer for every dental practice, according to the company.

Here in New York

To learn more about the Anutra Local Anesthetic Delivery System, stop by the booth, No. 5611.

The Anutra Local Anesthetic Delivery System. (Photo/Provided by Anutra)
Introducing Ivory® ReLeaf™
Dentistry’s best hands-free suction solution.

ReLeaf ensures that every practitioner can continually provide comfort and efficiency to any dental appointment. With 280 degrees of suction, you never have to worry about suction location again.

- Hands-free, high-volume efficiency
- Soft, comfortable and universal mouthpiece for your patients
- Simple setup—connects to existing HVE system in < 60 seconds

Giving a hand to oral health.

Visit booth #1408 for a sample
By 3DISC Staff

Previewed at the International Dental Show in March, 3DISC’s new 3-D scanner, Heron IOS, has already generated a great deal of interest, according to the company.

Now, the imaging company is demonstrating the market-ready scanner to the public for the first time here at the Greater New York Dental Meeting.

After a two-year development process, 3DISC is showcasing the new scanner together with the QuantorClinic software. According to the company, this is a major milestone as it moves forward into the final phase of the project, bringing the scanner to market and finally into dental clinics.

Inviting potential partners and distributors to experience the scanner in action, Deputy Group CEO of 3DISC Thomas Weldingh said, “We have had an exciting year and have worked hard on keeping development on schedule. I am pleased to announce that we are ready to market the Heron IOS. We are keen to meet with potential partners and distributors at the GNYDM this month and expect to ship the first scanners to clinics early in the second quarter of 2018.”

Innovative technology

Heron IOS is a 3-D intraoral scanner created for the modern dental practice, according to the company. A smart solution for digital impression taking, the scanner has a small, lightweight design and ergonomic grip and features an open-format output for the widest integration.

According to 3DISC, the breakthrough product’s intuitive workflow has the potential for improved clinic productivity and patient care—essential factors for a good return on investment.

The scanner comes with 3DISC’s QuantorClinic software package, which fully supports order creation, scanning and file sharing with dental laboratories and production facilities.

More information about distribution, availability and pricing can be obtained by e-mailing sales@3disc.com.

Here in New York

To check out the Heron IOS 3-D scanner and the QuantorClinic software, stop by the 3DISC booth, No. 416.