Ultra-bright light is ultralight in weight

High-definition, uniform light at maximum intensity

By Designs for Vision Staff

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™ uses the new high-definition imaging in an ultra-lightweight headlight in combination with the new Micro power pack. According to the company, the Micro is the market’s lightest and smallest power pack. The complete unit includes two power packs, and each power pack can run up to 10 hours.

Designs for Vision also has added high-definition imaging to the 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 either HDI headlight 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.

Designs for Vision is also featuring the “REALITY five-star-rated” Micro 3.5EF Scopes, which use an innovative 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 an established award-winning design, the newest addition to the Micro Series line is the Micro 4.5EF Scopes, which reduce both the size and weight of the telescopes by 44 percent.

Designs for Vision has expanded into a new 67,500-square-foot location at 4000 Veterans Memorial Highway in Bohemia, N.Y. To see photos of the facility you can visit www.DesignsForVision.com/move.htm.

You can see the Visible Difference® yourself by visiting the Designs for Vision’s booth (No. 928) at the California Dental Association Fall meeting in San Francisco. CDA Presents The Art and Science of Dentistry.

You also can arrange a visit in your office by contacting the company at (800) 345-4009 or via info@dvimail.com.

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"I enjoy dentistry so much more now. I believe I can really positively impact people’s lives which in turn can help society on a whole."

"LVI has changed the way I do dentistry and raised my role as a dentist. It has taught me how to look at dentistry comprehensively and to focus on the physiological cause of disease. I can honestly say that I am so happy that I became a dentist. I love what I do! And LVI has been a huge part of that!"

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Relationship goals: Partner with a GentleWave provider

By Sonendo Staff

As a professional, staying relevant in your field is dependent upon remaining current on industry developments and innovations. Patients want to know that they’re receiving care from someone well-informed — someone who offers state-of-the-art services.

You should be giving the same considerations when choosing an endodontist to refer your patients to.

Creating a referral relationship with a GentleWave® provider can streamline your referral process and build confidence in your care. Give your patients access to Multi-sonic Ultracleaning® technology, and improve outcomes of even the most challenging cases.

Partner up with the GentleWave provider nearest you — visit www.gentlewave.com/provider today or call Sonendo® at (844) 766-3636 for more information.

According to Sonendo, an advanced combination of fluid dynamics and broad-spectrum acoustic technology enables the GentleWave procedure to reach into the deepest, most complex portions of the root canal system to remove tissue, debris and bacteria. To refer an endodontic patient to the GentleWave provider closest to your practice, visit www.gentlewave.com/provider or call (844) 766-3636.

Dentsply Sirona Academy opens in Charlotte, N.C.

Dentsply Sirona Inc., The Dental Solutions Company™, celebrated the grand opening of its new state-of-the-art training facility, the Dentsply Sirona Academy, Charlotte (DSAC), with a ribbon-cutting ceremony on May 24.

Set to loud applause from enthusiastic attendees, Dentsply Sirona CEO Don Casey cut the ceremonial ribbon and welcomed guests to tour the ultra-modern space located at 13320 Ballantyne Corporate Place in Charlotte, N.C.

“IT’s a very proud moment for the Dentsply Sirona team, and I am honored to be a part of it,” Casey said. “The opening of this facility represents our commitment to providing the highest quality training and education to dental professionals, including dentists, hygienists, assistants, lab technicians and dental office staff.”

The DSAC is a multipurpose training facility, showcasing the most advanced and proven dental product solutions in a clinical setting. A comprehensive variety of clinical and technical curriculums are offered, including hands-on teaching, live lectures and on-demand webinars. The facility comprises 28,525 sq. ft. space and includes classrooms, a 288-seat auditorium, seven fully-outfitted operatories and two simulation labs. The DSAC may also be booked for private trainings, conferences, workshops and special events.

“In our relentless pursuit of excellence, Dentsply Sirona continues to exert itself as a technology and education leader in the dental community,” Casey said. “We will hold steady in our ambition to help dental professionals through innovative products and solutions as well as continued training and education to ensure successful outcomes for themselves, their practices and their patients.”

For more information about the Dentsply Sirona Academy, Charlotte, or to book a training course, you can visit www.dentsplysirona.com or call (844) 546-3722.

(Source: Dentsply Sirona)
Technology changing patient education

Growing comfort with screen-based, self-directed learning

Technological advancements are perpetual catalysts for changes that continue to transform the way we operate on a daily basis. For progressive practitioners, the constant wave of new technology provides an auspicious opportunity to increase prosperity and experience substantial benefits in other areas.

For decades, dental practitioners have been pigeonholed to tediously repetitive practices such as the monotonous treatment of caries and removal of plaque buildup. Despite this, the prevalence of malocclusion in modern children is approaching 100 percent and this growing incidence is enabling dentists to widen their scope of practice with the prospect of providing biological-based orthodontic treatment for children. Additionally, the recognition of sleep-related breathing disorders in dental patients is increasing, with recent research finding a relationship between the prevalence of malocclusion and dysfunctional breathing.

With this in mind, practitioners looking to diversify their pediatric treatment options in the increasingly competitive market that is modern dentistry should consider the benefits modern technology can offer. The implementation of eLearning tools in American classrooms has produced a generation of students that feels comfortable using screen-based technology for self-directed learning and is appreciative of the low-pressure environment it offers.

Senior Myobrace Educator Jessica Maidman is an advocate for patient education through the use of digital learning tools, and she considers the patient’s first encounter with The Myobrace® System an important stepping stone for ongoing education and compliance. “As an educator, I use our Myobrace apps to deliver information to my patient in a child-friendly manner. It helps them understand the causes of their developmental issues, as well as the need for early intervention and corrective treatment,” Maidman said.

“I have learned that children respond much better to learning from new and interesting technologies rather than an authoritative figure such as a dentist. The results are much more consistent because the information is being delivered the same way each and every time.”

Myofunctional Research Co. (MRC) provides eLearning software in all major digital platforms, enabling simple implementation for almost any practice. Taking advantage of these modern technologies enables any practice to transform into a tech-savvy environment that has an edge over competitors.

MRC regularly hosts seminars in the United States that provide practitioners with hands-on experience in learning new myofunctional techniques for the treatment of malocclusion, dysfunctional breathing and TMD disorders as well as the implementation of eLearning tools in almost any practice.

Visit www.myoresearch.com to find a seminar near you or learn more about the Myobrace Member and Certified Provider programs.

Reference

(Source: Myofunctional Research)
Planmeca units provide flexibility between 2-D and 3-D, offer proprietary features for ultra-low-dose imaging and patient-movement correction

By Planmeca Staff

All Planmeca’s CBCT units support three different types of 3-D imaging as well as extraoral bitewing, cephalometric and digital panoramic imaging. This flexibility between 2-D and 3-D enables clinics to optimize their imaging and select the techniques that work best with each case. With proprietary features for ultra-low-dose imaging and patient movement correction also available, Planmeca provides a completely unique dental imaging experience.

Low-dose exposure and patient-movement correction protocols

Planmeca Ultra Low Dose™ is the best method for acquiring CBCT images at low doses. It can be used with all voxel sizes and in all imaging modes and enables clinicians to gather more information than from standard 2-D panoramic images at an equivalent or even lower dose. All this is possible without a statistical reduction in image quality.*

Whereas Planmeca Ultra Low Dose protects patients from unnecessarily high doses, the new Planmeca CALM™ imaging protocol helps avoid retakes by compensating for movement.

According to studies,** patient movement can occur in up to 40 percent of cases, meaning that image quality is not optimal in a significant portion of CBCT scans. Planmeca CALM corrects artefacts caused by movement, resulting in sharper final images. The algorithm can be applied after a scan is complete, but also before the exposure.

When purchasing a new CBCT unit, be sure to exercise your right to receive all valid information on a product. Always ask for accurate info on patient doses and compare the differences in image quality between standard- and low-dose images, as well as images with and without artefact correction.

The right choice will lead to improved diagnostics, saved time, reduced costs and lower patient doses.

References

* Ludlow and Koivisto: “Dosimetry of Orthodontic Diagnostic FOVs Using Low Dose CBCT protocol.”

** Spin-Neto and Wenzel: “Patient movement and motion artefacts in cone beam computed tomography of the dentomaxillofacial region: a systematic literature review.”

Tell us what you think!

Do you have general comments or criticism you would like to share? Is there a particular topic you would like to see articles about in Dental Tribune?

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We look forward to hearing from you!