Indust News

Protect yourself against aerosols

By Designs for Vision Staff

In today’s world, it is especially important to make sure you have the proper eyewear. To that end, Designs for Vision is offering a variety of new product lines. Design for Vision’s new Aerosol Protection Loupes create a seal around your eyes to protect against aerosols. These loupes are available with 2.5x, 3.0x and 3.5x magnifications and come in two frame styles.

The company is also offering the LoupeSaver™ Face Shield. The product is made from optical grade plastic and has a flat panel design that reduces optical aberrations.

The shield can be clipped to loupes, with no headband needed, allowing a headlight to be placed inside or outside of the shield.

In addition to these products, Designs for Vision has launched several new product lines in the past months, including the new patented Panoramic Field Loupes (US pat. 8928975B2).

According to the company, the Panoramic Loupes represent the most significant advancement in telescope design in more than 100 years. The viewable areas are twice as large as prismatic expanded-field designed loupes and up to five times greater than Galilean loupes. Panoramic Field loupes provide unprecedented field of view, clarity, definition and color, the company asserts.

Designs for Vision has also added the Micro 3.0EF to the award-winning Micro Series Loupes. The Micro 3.0EF has a field of view of 100 mm and weighs less than 70 grams. The Micro Series also includes REALITY 5 Star rated Micro 3.5EF Scopes and Micro 4.5EF Scopes.

These scopes use a revolutionary optical design that reduces the size of the prismatic telescope by 50 percent and reduces the weight by 40 percent while providing an expanded field view of the oral cavity.

If you want the lightest 3X magnification, get the new 3.0X Galilean loupes. According to the company, the lightweight Galilean design enables clinicians to step up in magnification while retaining an expansive 70 mm field of view.

Designs for Vision is also introducing patented (US pat. 8,851,709 & RE46,463) hands-free infrared technology with the WireLess IR HDI and the Micro IR HDI headlights. The patented IR feature enables practitioners to operate a headlight without touching the system. The IR headlights use a built-in infrared signal to enable the user to turn the light on or off simply and safely, according to the company. Onboard biometrics sense the position of the headlight to filter out unintentional signals while working.

Designs for Vision’s WireLess™ headlamps are the latest in a line of products to improve the comfort and efficiency of dental professionals. The modular designs uncouple the headlight from a specific frame or single pair of loupes. The compact design of the LED DayLite® WireLess headlights is independent of any frame/loupes.

You can see the Visible Difference® yourself by visiting Designs for Vision at www.designsforvision.com. The company is taking appointments for virtual meetings, and you can also find information on selecting an N95 mask that accommodates eyewear as well as nose pad adjustments to fit properly over the mask and information on disinfection procedures for loups and headlamps.

Fotona expands product offering with the purchase of dental division of A.R.C. Laser

By Fotona Staff

Earlier this year, Fotona, based in Europe and the United States, completed the purchase of the Fox III and IV lasers systems and the EmunDo® Therapy system from A.R.C. Laser GmbH.

This purchase includes all medical specialties, including dentistry, with the exceptions of ophthalmology, otolaryngology and veterinary applications. Fotona has previously been a distributor of A.R.C.’s XLASE 1064 nm dental lasers in the United States.

The newly acquired Fox technology represents the most significant advancement in telescope design in more than 100 years. The goals of developing and producing laser-based solutions for gentle and effective surgeries and treatments.

For maximum convenience, these systems perform a wide range of surgical, periodontal, photothermal therapy (PTT) and low level laser therapy (LLLT) procedures.

EmunDo is a PTT system, used in conjunction with the Fox lasers, for less invasive treatment of periodontitis without antibiotics. Learn more at www.fotona.com/en/products/6236/xpulse-r-line/.

Matjaz Lukac, PhD, president of Fotona, said: “Fotona has long been a world leader and innovator in the dental laser industry. Adding the Fox III and Fox IV lasers and the EmunDo Therapy system to our line of LightWalkerFM and SkyPulse® lasers will expand our dental product offering. Fotona dental lasers systems provide general dentists, periodontists, endodontists, pediatric dentists and hygienists the ability to provide their patients with advanced and less invasive treatment options. Fotona procedures include soft-tissue laser surgery, soft tissue surgical procedures, treatments for periodontal disease, endodontic treatments, lllt pain relief, laser-assisted hygiene, snoring and sleep treatments, facial esthetic procedures and much more.”

A.R.C. Laser was founded in 1996, with the goals of developing and producing laser-based solutions for gentle and effective surgeries and treatments.
Align Technology announced earlier this year that the U.S. Food and Drug Administration (FDA) has cleared the award-winning iTero Element 5D Imaging System for commercial availability in the United States.

The iTero Element 5D Imaging System expands the suite of existing high-precision, full-color imaging and fast scan times of the iTero Element intraoral scanner portfolio with a new clinical approach, optimized orthodontic and restorative dental workflows, and an improved doctor experience, according to the company.

In addition, iTero Element 5D Imaging System visualization tools improve patient engagement and communication by helping patients see and better understand their current dental health, their treatment plan options and prescribed outcome on the iTero touchscreen, enabling better patient education, engagement and compliance during treatment.

The iTero Element 5D scanner is the first integrated dental imaging system that simultaneously records 3-D, intra-oral color and NIRI images and enables comparison over time using iTero TimeLapse. This aids doctors in detecting and monitoring the progression of interproximal caries (cavities or tooth decay) above the gingiva without using harmful radiation, thereby helping to ensure that patients receive even better care with visualization, education and treatment acceptance, the company asserts.

The diagnosis of carious lesions or “caries,” especially interproximal lesions or those between teeth, can be hampered by several factors, including variations in the shape and alignment of teeth and traditional limitations of X-ray examinations that include variability in exposure level, bad angulations in the captured image or overlapping contacts in the image, among other factors.

With the iTero Element 5D Imaging System, doctors can scan patients at each visit to view a patient’s progress over time and together view treatment options that result in clearer decisions for better clinical care.

Reference

To learn more
Information about the iTero Element 5D Imaging System can be found at www.itero.com/en/products/itero_element_5d, or you can visit Align Technologies at its virtual booth during the Greater New York Dental Meeting.

INDUSTRY NEWS

The iTero Element 5D Imaging System is the first integrated dental imaging system that records 3-D, intra-oral color and NIRI with a single scan and enables comparison over time using iTero TimeLapse. Data on file at Align Technology, as of Dec. 4, 2018. Photo/Provided by Align Technology.

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Georgia World Congress Center & Omni Hotel at CNN Center ♦ Dr. Robert J. O’Donnell, General Chair ♦ Dr. J. Sedgie Newsom, President

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Benefits of Combination Nd:YAG & Erbium Wavelength Therapy for Both Periodontal Disease and Peri-Implantitis Include:

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- Re-Contouring of the Bone

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- Selective Tissue Removal
- Fibrin Clot through Hemeostasis

**TwinLight™ Laser Perio**
Advanced Dual Wavelength

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- Secure Adjustable Fit – through adjustable spring hinges and wire core temples
- Lightweight, Comfortable Silicone Eyecups attach to frame magnetically and are easy to remove for cleaning and disinfecting
- Available in 2.5x, 3.0x and 3.5x Magnifications and two frame styles

AND NEW **IR Headlights** with TOUCH-FREE operation

Eliminate Cross Contamination

SAVE $200 when you order both loupes and headlight

Contact Us to meet in YOUR OFFICE: DesignsForVision.com/InOffice.htm

Moving Forward, Stronger Together

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