EyeSpecial C-II: Designed for dentistry

By Shofu Dental Staff

A 2015 recipient of the Pride Institute’s Best of Class Technology Award, Shofu’s EyeSpecial C-II camera has been revolutionizing the way photography is performed in dental practices and laboratories.

Equipped with intuitive, cutting-edge abilities tailored for dentistry, Shofu Dental asserts this camera will help achieve the varied needs of a busy dental office, whether it is the dentist, assistant or hygienist performing the clinical photography, case documentation or patient and lab communication.

The EyeSpecial C-II captures high-quality images with ease and convenience, according to the company. It has an exceptional depth-of-field range, smart autofocus and unique flash capabilities that ensure true-color reproduction and superb clinical photography.

Like smartphones and tablets, Shofu’s camera is highly intuitive, user friendly, compact and ultra-lightweight, according to Shofu.

The camera features eight preset dental shooting modes, each designed to address a specific dental photography need. Made for comfort and functionality, the EyeSpecial C-II exceeds stringent infection control protocols. The camera is water-, chemical- and scratch-resistant and can be quickly disinfected with a wipe, a task that can sometimes be daunting when performed on traditional equipment.

Operating Shofu’s camera is also virtually stress-free, according to the company, because no extensive technical knowledge is required to work with the EyeSpecial C-II; an attribute that brings consistency and efficacy to treatment planning and allows the clinician to delegate clinical photography tasks to staff members.

The Shofu camera offers numerous features that facilitate in-office and peer-to-peer collaboration and patient education, according to the company. The LCD screen of the EyeSpecial C-II is larger than displays in typical smartphones and SLRs, and it can be operated with a gloved hand. The draw/edit function enables making notes on images, which can be valuable when discussing therapy options or pointing out problematic areas in a treatment.

The camera also has the ability to wirelessly interconnect with other systems in the dental office and laboratory. When equipped with a Wi-Fi card, a photograph captured with the camera will instantly appear on connected office devices, including a computer screen, a laptop and an iPad, turning a dental office or a laboratory into an efficient communication hub.

Here at Yankee

To learn more about Shofu’s smart digital camera designed exclusively for dentistry, stop by the booth, No. 1229, visit www.shofu.com or call (800) 827-4638.

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If you haven’t had a chance to see DEXIS™ and CariVu™ up close, now is your chance to see these innovative imaging options in action. A recent study showed that DEXIS digital radiography has the best image quality and the lowest radiation dose, among its many other attributes, according to the company. And the CariVu carries detection device is a new approach to discovering caries and cracks.

Both of these multifaceted imaging solutions were created with the needs of the clinician in mind. According to the company, the DEXIS system combines the best digital X-ray sensor and dental imaging software to bring image quality, ergonomics, ease of use and efficiency to the dental office. PureImage™ Technology makes DEXIS images sharp and clear, even when enlarged. Higher visible resolution, higher contrast and lower noise make key anatomy more pronounced, allowing doctors the opportunity for better analysis of the images. The 16,000 shades of gray captured by the sensor allow the clinician to see subtle variations in density.

A recent study notes DEXIS X-rays are more consistent and clinically usable at a wider range of exposure settings than those of other sensors. That is an advantage to both the dentist and patients. As a result, practitioners benefit from a reduction in time-consuming, exposure-related retakes, and patients benefit from the reduction in radiation. Dr. Cynthia Brattesani says, “If we can decrease patients’ radiation exposure without sacrificing image clarity or detail, then we should definitely do that for them.”

What is better than low dose? No dose. That is where the DEXIS CariVu caries detection device comes in. CariVu uses patented transillumination technology to support the identification of occlusal, interproximal and recurrent carious lesions and cracks. CariVu does not emit ionizing radiation, which is important for patients who are reluctant to have X-rays or for those who are not due for X-rays yet but have a dental issue. Dr. Grant Smith recognizes that CariVu is a helpful addition to his other imaging technologies. He says, “Even patients who are not receptive to my low-dose digital X-rays can benefit because CariVu technology does not involve radiation.” In contrast to other caries detection devices, he says: “CariVu illuminates both sides of the tooth simultaneously, so I can visualize the margins not only from the occlusal but volumetrically, and I can document the findings. I can spot fractures more easily than with radiography, and trust what I see.”

CariVu’s images read like familiar X-rays, and the device has a high-detection accuracy with a study showing an interproximal dentin caries detection rate of 99 percent.2

Dr. William J. McKibben adds that CariVu is a powerful tool not only for diagnosis, but it also adds additional information when filing claims to insurance companies. He says: “I already take a lot of intraoral photographs for documentation for insurance companies and also for patient education. CariVu gives me an extra level of documentation.”

Visit the DEXIS booth, No. 2200, and see the imaging technologies that the company asserts have established DEXIS as a brand of excellence.

References
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Forty years ago OCO Biomedical began producing cutting-edge implant products. Today we are at the forefront of implant technology and plan to be there for many years to come.

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NuSmile’s zirconia primary crown system delivers a one-stop solution

By NuSmile Staff

As a trusted name in pediatric restorations, NuSmile was determined to take a unique approach with preformed zirconia pediatric crowns.

“After investigating the science and consulting with numerous pediatric dentists, it was clear that a complete zirconia solution was needed,” said Diane Johnson Krueger, NuSmile CEO.

The first thing the company did was develop a patent-pending process for manufacturing its NuSmile ZR zirconia crowns, which deliver unmatched esthetics and exceptional durability, according to the company.

A landmark study had concluded that problems with contamination can occur when any zirconia crown is placed on a tooth during trial fitting and that this contamination significantly impaired cement to crown retention. NuSmile resolved it would solve the problems caused by saliva and blood contamination and also eliminate extra cleaning steps needed to remove this interfering contamination.

NuSmile’s unique solution: Each of its NuSmile ZR zirconia crowns has a reusable corresponding Try-In crown included within the crown kit that is identical in size and shape. The Try-In crown eliminates the need to place the actual zirconia crown in the mouth prior to cementation, thus completely avoiding saliva/blood contamination.

NuSmile also endeavored to find the best possible cement for zirconia crowns.

“We determined that a cement for pediatric patients should ideally be bioactive,” Krueger said, “but we couldn’t find one that met all of our criteria and that was easy to use with pediatric patients. So we developed our own.”

That cement — NuSmile BioCem® — is the only cement that releases phosphate, calcium and fluoride ions into the oral environment and forms hydroxyapatite that is available to integrate with and replenish the tooth, according to NuSmile. The company asserts that studies show that BioCem demonstrates a superior bond strength to zirconia, and, unlike other bioactive cements, it exhibits easy handling and does not require trituration.

“Our customers told us they wanted a one-stop solution for all their needs involving zirconia crowns,” Krueger said.

“That’s exactly what we’ve given them, and we couldn’t be happier with their response to the NuSmile ZR system.”

To learn more about the NuSmile ZR system, stop by the booth, No. 1333.
NEW! Visalys® Core – Secure core build-up for high stability.

Visalys® Core is a fluoride-containing, dual-curing composite, developed for the fabrication of radiopaque core build-ups and core fillings and for cementing root posts. The product incorporates Active-Connect-Technology (ACT), which is unique in the market. This enables the material to bond actively with popularly used light-curing and dual-curing, single-step and multi-step adhesives, without an additional activator. The advantage for users is that it allows them to use the bonding agent they are used to – no matter whether it is a light-curing or dual-curing, a single- or multi-bottle system. Call 877-632-2123 or your local representative David Cox at 761-929-8938 direct to place an order.

Come see Kettenbach at Booth #420
Keystone Industries, a U.S.-based company that manufactures some of the world’s top mouthguard products, has officially launched the latest item in its Pro-Form Mouthguard line — the PF2 mouthguard.

Unlike laminated mouthguard products that require a dentist to custom fit it to the patient, the PF2 mouthguard is a do-it-yourself guard that gives the best custom fit possible without taking impressions of the teeth.

With the elimination of dentist appointments and impressions, the price of this guard is significantly lower than custom-fit mouthguards while still providing high-impact protection, according to Keystone. The PF2’s unique design allows it to be re-fit by the user multiple times.

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

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

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

To keep up to date on PF2 and Keystone announcements, please visit www.keystoneindustries.com and follow the company on all social media platforms.

About Keystone Industries

Keystone Industries, a privately held company founded in 1908, has maintained a reputation for producing high-tech dental products in both the operatory and laboratory realms. The company asserts its dedication is driven by the need to provide customers with the finest quality materials while developing products that meet and surpass customer expectations.