By Shofu Dental Corp. Staff

Designed exclusively for dentistry, the EyeSpecial C-II is a smart digital camera intended for clinical photography, dental/orthodontic case documentation and for use at the bench in a laboratory. Equipped with a 12 megapixel sensor, a 49-mm close-up lens and a panoramic LCD touchscreen, the Shofu camera features eight preset dental shooting modes, each to address a specific need.

Standard mode will most likely be used for the majority of photography tasks. A variety of images can be taken in this mode, including reposing, smile, profile facial images, retracted anterior images, left and right buccal images, and upper/lower occlusal images. Face mode is recommended for capturing facial images or upper torso photos. Surgery mode facilitates taking images from a greater distance, to remain clear of the dentist’s area of operation. Tele-macro mode is tailor-made for close-up photography and should be selected when higher magnification photos of anterior teeth, working models and indirect restorations are needed. Mirror mode can be used for traditional clinical photography that requires the use of a mirror, including capturing of occlusal images. Lab technicians and dentists working with ceramic restorations will find isolate-shade mode useful. This function grays out the gingival part of an image to attain flawless shade matching. Whitening mode will be the hygienist’s favorite when demonstrating the before-and-after whitening. Low-glare mode activates anti-glare filters, a useful property when photographing anterior images and indirect restorations. The EyeSpecial C-II captures high-quality images with ease and convenience, according to Shofu. It has an exceptional depth-of-field range, fast autofocus and anti-shake capabilities that ensure true-color reproduction and superb imagery. Like smartphones and tablets, the Shofu camera is highly intuitive and user friendly, according to the company. It employs a spot-focus function, activated with a tap of a finger on the screen, and cropping grid lines, both of which make excellence in dental photography easy to achieve. Operating the Shofu camera is virtually stress free as no extensive technical knowledge is required to work with the EyeSpecial C-II, an attribute that, according to the company, brings consistency and efficacy to treatment planning and allows the clinician to delegate clinical photography tasks to staff members. The Shofu camera also offers numerous features that the company asserts will ameliorate patient communication and education. The LCD screen of the EyeSpecial C-II is larger than displays in typical smartphones and SLR’s, and it can be operated with a gloved hand. The draw/edit function enables making notes on images, which can be a good benefit when discussing treatment options with patients or pointing out problematic areas. Designed for comfort and functionality, the EyeSpecial C-II exceeds stringent infection control protocols. The camera is water-, chemical- and scratch-resistant and can be disinfected within seconds with a wipe.

According to Shofu, the EyeSpecial C-II will help effectively harness the varied needs of the today’s dental office, whether it is the dentist, assistant or hygienist performing clinical photography, case documentation or patient and lab communication.
THE POWER OF THE PERFECT FIT

Dental health is the cornerstone of your well-being. Introducing Planmeca FIT™ - an open CAD/CAM system that is a Fully Integrated Technology for chairside dentistry. Restorations are individually crafted to fit your unique needs, ensuring superior strength and esthetics that stand the test of time.

To schedule a demonstration, contact your Henry Schein representative or call 800.645.6594 + press 1.

PLANMECAFIT™
Open CAD/CAM System
Introducing the Planmeca FIT: An open CAD/CAM system

Planmeca has announced new branding for its complete chairside CAD/CAM system. It is introducing the Planmeca FIT, composed of the PlanScan scanner, PlanCAD software and PlanMill 40 mill as a fully integrated open CAD/CAM system for same-day dentistry.

Planmeca asserts that the FIT solution provides a digital workflow that will combine exceptional patient experience and convenience as well as produce high-quality restorations with the perfect fit.

Power of the perfect fit
Focusing on a full system approach, the Planmeca FIT will adapt to a practice’s schedule, needs and expectations—a perfect fit for today’s busy lifestyle, according to the company, which calls it the ultimate chairside digital solution for creating a profitable dental practice.

Planmeca FIT contains three key components: PlanScan scanner to accurately scan intraorally, PlanCAD software for intuitively designing the restorations and PlanMill 40 to precisely mill out the restoration in-office. With this complete system, dental professionals can achieve chairside restorations all in the same day.

“We wanted to package PlanScan, PlanCAD and PlanMill 40 as a full system that provides the perfect fit in restoration strength and esthetics as well as for the patient’s health and well-being," said Jukka Kanerva, president of Planmeca CAD/CAM Solutions. “The Planmeca FIT open CAD/CAM system allows us to do just that. We have received many positive responses and are very excited to see its powerful impact on the marketplace as we continue to create solutions to better the patient and user experience of our products.”

About Planmeca Oy and Planmeca Group
Planmeca Oy is one of the world’s leading dental equipment manufacturers, with a product range covering digital dental units, CAD/CAM solutions, 2-D and 3-D imaging devices and comprehensive software solutions. Headquartered in Helsinki, Finland, Planmeca’s products are distributed in more than 120 countries worldwide. With a strong commitment to pioneering innovations and design, it is the largest privately held company in its field.

Visit www.planmeca.com and www.planmecacadcam.com for more information. The Planmeca FIT System is distributed exclusively in North America by Henry Schein Dental.
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 common 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 877-532-2123 direct to place an order.

Come see Kettenbach at
CDA San Francisco
Booth #1640
Dental isolation is one of the most common and ongoing challenges in dentistry. The mouth is a difficult environment in which to work. It is wet and dark, the tongue is in the way, and there is the added humidity of breath, which all make dentistry more difficult.

Proper dental isolation and moisture control are two often overlooked factors that can affect the longevity of dental work — especially with today’s advanced techniques and materials.

Leading dental isolation methods have long been the rubber dam — or manual suction and retraction with the aid of cotton rolls and dry angles. Both of these methods are time and labor intensive, and not particularly pleasant for the patient.

Enter Isolite Systems: Its dental isolation systems deliver an isolated, humidity- and moisture-free working field as dry as the rubber dam but with significant advantages, including better visibility, greater access, improved patient safety and a leap forward in comfort. Plus, it allows dentists to work in two quadrants at a time.

The key to the technology is the “Isolation Mouthpiece.” Compatible with Isolite’s full line of products, the mouthpiece is the heart of the system. It is specifically designed and engineered around the anatomy and morphology of the mouth to accommodate every patient, from children to the elderly.

The single-use Isolation Mouthpieces are now available in six sizes and position in seconds to provide complete, comfortable tongue and cheek retraction while also shielding the airway to prevent inadvertent foreign body aspiration.

constructed out of a polymeric material that is softer than gingival tissue, the mouthpieces provide significant safety advantages, and their ease-of-use can boost your practice’s efficiency, results and patient satisfaction.

Isolite Systems provides three state-of-the-art product solutions for every practice, every operatory: Isolite, illuminated dental isolation system; Isodry, a non-illuminated dental isolation; and the newIsovac, dental isolation adapter.

Using the Isolation Mouthpieces, all three dental isolation products isolate upper and lower quadrants simultaneously while providing continuous hands-free suction. This allows a positive experience where the patient no longer has the sensation of drowning in saliva/water during a procedure and the practitioner can precisely control the amount of suction/humidity in the patient’s mouth.

Isolite Systems’ dental isolation is recommended for the majority of dental procedures where oral control and dental isolation in the working field is desired. It has been favorably reviewed by leading independent evaluators and is recommended for procedures where good isolation is critical to quality dental outcomes.

Visit the Isolite booth, No. 2214, here at the CDA Presents The Art and Science of Dentistry, or go to www.isolitesystem.com.
Introducing the NEW TurboVue™ illuminated ultrasonic scaler.

- Dramatically improves visibility
- 30K light-transmitting inserts emit light from the handpiece
- Auto-tuning technology
- Dramatically expanded low-power range improves comfort
- Power-boosting Turbo feature when more power is needed
- External water filter prevents clogs and dripping
- Five-year power unit warranty & 90 Day Risk-Free Trial

Whether it's the distal of a second maxillary or mandibular molar, a furcation or a deep lingual pocket you're trying to access, the intense light of the TurboVue will illuminate even the toughest corners ensuring that you won't miss anything. Plus, the light saves on the operator's eyes. No more squinting or messing with the overhead lamp or loupes.

Most Important Advancement In Scaling That I've Seen In My Entire Career. I LOVE it!

- Dr. Tim Donley Periodontist

The TurboVue light-transmitting 30K ultrasonic inserts feature a durable, autoclavable glass sleeve to transmit the light from the handpiece to the operating field.

Special Introductory Offer!
Order the NEW TurboVue Illuminated Ultrasonic Scaler and three light-transmitting 30kHz inserts of your choice¹

All for only $952.00
(Normally $1,360.00) YOU SAVE $408!

¹ Special introductory offer valid only on merchandise purchases made directly through Parkell, Inc. by calling 1-800-243-7446. Customers returning any portion of the order to Parkell will be charged full price for the scaler and inserts, plus any associated delivery charges, insurance and local sales tax. This offer cannot be combined with any other offer. Limit one per office. Price excludes applicable taxes and shipping charges.

² If you're not satisfied, call us within 90 days. We'll have it picked up at our expense, and give you a full refund—including your original ground shipping charges. (Express shipping will not be reimbursed). This offer valid only when product is purchased directly from Parkell, Inc. Note: Inserts are non-refundable or returnable if package seal is broken or if insert is used.

³ The 5-year warranty covers unit and foot pedal, handpiece, hoses and external cable. All have 7-year warranty.

Learn more at the
Parkell Booth #2301

Solutions for the Problem-Solving
Dental Professional Since 1948.
1-800-243-7446 • www.parkell.com

NEW!
Fixed hybrid dentures have been used to successfully restore fully edentulous patients for decades. Their durability, however, leaves room for improvement.

The BruxZir® Full-Arch Implant Prosthesis (Glidewell Laboratories, Newport Beach, Calif.) provides a restoration that is more durable in the long term, while sacrificing nothing when it comes to esthetics.

Case report
The patient is a 58-year-old male with no contraindications for implant treatment. The patient had a total of 11 BioHorizons® Internal Hex implants (BioHorizons, Birmingham, Ala.) placed, including six in the maxilla and five in the mandible (Figs. 1, 2). The implants integrated for more than six months, and the patient presented for restoration of his edentulous arches.

First, preliminary impressions of the implants were made. After removing the healing abutments, closed-tray impression copings were seated. The impressions were made in stock plastic trays, and the impression copings were placed back into the impressions before the case was sent off to the laboratory.

The laboratory poured casts from the initial impressions and fabricated bite blocks and occlusal rims for the centric jaw relationship (CJR) records. Each bite block contained two screw-retained temporary cylinders that allowed the wax rims to be screwed down, producing a very accurate CJR. The contoured rims were returned to the laboratory with the initial casts.

Upon receiving the wax rims and jaw relation records, the laboratory and dentist decided the patient required four multi-unit abutments in the anterior maxilla to ensure the screw access openings were within the confines of the planned prosthesis.

At the next appointment, the patient's healing abutments were removed, and the multi-unit abutments were transferred to the patient's mouth and torqued into place. Later, wax setups were tried in and evaluated for proper esthetics, phonetics, contours, occlusion and tooth arrangement.

The implant verification jig (IVJ), which precisely captures the depth and angulation of the implants in the final impression, was seated and tightened into place. After bonding the individual sections of the IVJ together, a final impression was made.

The lab produced a fixed provisional appliance using precise CAD/CAM technology. The provisional implant prosthesis afforded the patient a trial period to evaluate the proposed restoration for esthetics and function (Fig. 3).

The final restoration was fabricated using the CAD design that was confirmed during the provisional trial period. The final prostheses were delivered without complication, exhibiting excellent fit, occlusion and esthetics (Fig. 4). The patient was exceptionally pleased with the function offered by this fixed restoration, which he should be able to enjoy for a great number of years given the extraordinary durability of BruxZir Solid Zirconia.

Here at the CDA
For more information on the BruxZir Full-Arch Implant Prosthesis, please stop by the Glidewell Laboratories booth, No. 1428.
Another first in dental isolation.

Expanded use with:
- Implants
- Oral-Maxillofacial Surgery
- Emergency Care
- Extractions
- Bone Grafting
- Periodontics

Surgical dental procedures are now even easier.
Using Isolite’s Sterile Mouthpiece you have control over blood and debris like never before allowing you to focus on dentistry and worry less about everything else.
Available in a full range of sizes to best fit every patient.

Individually packaged in thermoform trays with a Tyvek lid and supplied in convenient operatory boxes of 3.

BRING THIS AD TO BOOTH #2214 AT CDA-F TO RECEIVE A SPECIAL OFFER

Better Isolation = Better Dentistry®
By Kettenbach LP Staff

Visalys® Core, the new product from Kettenbach LP, represents the next generation of core build-up materials. The most recent addition to the Visalys family is a dual-curing core build-up material with unique active-connect-technology (ACT) to ensure a reliable bond with all common adhesives — without an additional activator.

The product was first unveiled at this year’s International Dental Show in Cologne, Germany.

Visalys Core is the first core build-up material from Kettenbach. The fluoride-containing, dual-curing composite was developed for the fabrication of radiopaque core build-ups and core fillings and for cementing root posts.

The product incorporates ACT, which is unique in the market. This enables the material to bond actively with all common 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.

A firm foundation

According to the company, Visalys Core ensures easy and reliable handling with excellent positional stability. At the same time, it exhibits good flowability and low extrusion force. The excellent compressive strength results in a stable monoblock and a secure bond.

Optional light-curing allows the procedure to be continued immediately, according to the company, and reliable self-curing provides for dependable strength even on the cavity floor and in root canals. Excellent polishing characteristics ensure precise preparation; even without light-curing, the smear layer is minimal. The product is also free of bisphenol A and its derivatives.

Visalys Core is available in dentin and white shades in a 5 ml double syringe and in a 25 ml cartridge. For detailed information about Visalys Core, visit the Kettenbach website at www.kettenbachusa.com.

About Kettenbach LP

Kettenbach LP (Huntington Beach, Calif.) is the exclusive U.S. distributor for Kettenbach GmbH & Co. KG (Eschenburg, Germany). Founded by August Kettenbach in 1944, Kettenbach GmbH was created for the development and marketing of medical and dental products.

Today, the company is an international producer of dental impression materials and is also known in other surgical areas of medicine. Brands include Panasil VPS Impression Material, Identium VSXE Impression Material, Futur Bite Material, Silginat Alternative Alginate, Visalys Temp Material and Visalys Veneers.

For more information or to check out the Visalys Core for yourself, visit www.kettenbachusa.com or stop by the booth, No. 1640.

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EaZY-PRIMER FROM PARKELL

Parkell introduces the new EaZY-Primer, which is recommended for use when cementing restorative ceramic materials including zirconia.

The priming agent is specifically formulated with an MDP monomer added to 4-META, which allows an enhanced bond to the silica-free, polycrystalline structure of zirconia. Furthermore, EaZY-Primer works well with lithium disilicate and porcelain in conjunction with adhesive resin cements.

With EaZY-Primer, you eliminate the need for the use of hydrofluoric acid and any of the risks that come with the acid, such as discomfort if it comes in contact with soft tissue. EaZY-Primer is simple to use, too, according to the company. After following the instructions for roughening the ceramic surface, all you need is one stroke.

To maximize the effectiveness of EaZY-Primer, leave it on the surface until it evaporates on its own. When it dries, you’ll notice it glistens, so unlike some other ceramic primers, you can see where you applied it.

According to Parkell, EaZY-Primer is the perfect adjunct to any resin cement, resulting in strong bonds, beautiful esthetics and ceramic restorations that last.

For more information or to order, contact Parkell at (800) 243-7446, visit www.parkell.com or visit booth No. 2301 here at the CDA Presents The Art and Science of Dentistry.
Take Control with All-in-One Software

Open-Architecture Software for a Complete Chairside Solution

Designed on an open architecture platform, Planmeca Romexis® software puts the power of chairside dentistry at your fingertips. Integrated imaging, CAD/CAM equipment, and practice management software into your workflow with the flexibility to easily share files with your labs via Planmeca Romexis® Cloud.

See Planmeca at The California Dental Association
San Francisco
Booth #1926
Solea gets an upgrade with new spot size, software enhancements

By Convergent Dental Staff

Convergent Dental, a privately held dental device company, is announcing a significant software upgrade to Solea, the first FDA-approved, CO2 9.3 micron dental laser for hard and soft tissue.

The dental laser’s new features include a 1.00 mm-XC (coarse cut) spot size, an improved 1.00 mm (standard cut) spot size and Solea Software 2.4.0 Automatic Software Upgrade feature.

The new spot sizes enhance Solea’s performance and create versatility for dentists looking to limit their use of the traditional drill and deliver virtually anesthesia-free and blood-free procedures. Convergent Dental is showcasing the latest Solea features here at CDA Presents The Art and Science of Dentistry.

Solea’s varied settings and spot sizes make it the most versatile dental laser in the marketplace, according to the company. The new 1.00 mm-XC spot size ablates dental tissue as fast as the 1.25 mm-XC spot size but in a smaller, more precise pattern. The new 1.00 mm (standard cut) spot size replaces the original 1 mm spot and ablates faster and smoother than its predecessor. Solea’s new spot sizes mimic bur sizes to make it easier for dentists to transition from traditional drills.

“The rapid rate of innovation at Convergent Dental is changing the dental industry in unimaginable ways,” said Dr. Michael Kelly. “Solea’s ever-growing tool set extends the value of my investment, enhances my ability to deliver anesthesia-free and blood-free dentistry and improves my patients’ experience.”

In addition to the new spot sizes, Solea Software 2.4.0 provides dentists with the capability to automatically receive software updates via WiFi. Users just enter a special PIN, and the latest software version is downloaded from the Convergent Dental servers.

“We are committed to building upon our dentists’ original investment by releasing software upgrades that significantly improve performance every quarter,” said Convergent Dental CEO Michael Cataldo. “Solea’s unique wavelength and computer controls enable us to offer unmatched versatility, precision and speed for our dentists. We believe we have just scratched the surface of Solea’s potential and are looking forward to pushing the technology’s boundaries.”

Practitioners interested in learning more about Solea and its latest software upgrade can email info@convergentdental.com or call (844) 467-6539.

About Convergent Dental

Convergent Dental is a privately owned dental equipment and technology company and developer of Solea, the world’s first computer-aided, CO2 laser system to be cleared by the FDA for both hard- and soft-tissue indications. Solea’s speed and precision is a result of patented technologies and computer system controls that are unique to Convergent Dental.