Shofu Dental is announcing the launch of its new direct restorative GlasIonomer FX-II Capsule. Those interested in seeing the material are encouraged to visit booth No. 1726 for a firsthand product demonstration.

The GlasIonomer FX-II Capsule is an aesthetic, all-purpose, glass ionomer cement for direct restoration, designed for minimally invasive dentistry.

As a restoration, the material is shown to have superior levels of fluoride release/rechargability and compressive/tensile strength in comparison to other leading glass ionomers, making it ideal for high caries pediatric and geriatric patients.

In addition, adhesion to enamel and dentin is consistently stable at equal levels, creating a stronger marginal seal. The restoration experiences far less strain because of the adhesive strength, and the thermal expansion properties are very similar to natural teeth. The new GlasIonomer FX-II Capsule also displays with high radiopacity.

The application benefits of GlasIonomer FX-II are equally noteworthy. One key benefit is that there is no conditioner required for this material, resulting in faster application time. Simply prepare the cavity using the conventional method, mix the capsule for 10 seconds and apply. The net setting time is two minutes and 30 seconds.

The combination of a fast-setting time and no-conditioning requirement greatly reduces valuable working time and allows clinicians to see more patients within a day.

Unlike many other glass ionomer restoratives, the new GlasIonomer FX II Capsule demonstrates excellent handling and packability. Indications for use include non-load bearing C I and C II restorations in permanent dentition, restorations of C III and C V cavities and wedge-shaped defects, pediatric/geriatric restorations and core build-up and base/liner material.

Offered in shades A2, A3, A3.5 and B2, the material is simultaneously translucent and opaque, creating an aesthetic appeal and beautiful shade-matching abilities.

Shofu Dental’s GlasIonomer FX-II Capsule is an overall stronger, more durable and highly therapeutic, minimally invasive restorative. It can be purchased for $4.54 a capsule, packaged in a kit of 50 with a total cost of $227.70.

Dental Tribune would like to invite you to participate at the ADA Annual Session in New Orleans

Oct 31 - Nov 2, 2013 at the ADA Exhibit Floor

Come visit Dental Tribune at the ADA Annual Session, Booth #3457

Learn for FREE from the experts with: Educational Lectures & Product Demonstrations

Shofu Dental staff

Photo/Provided by Shofu Dental

Here in San Francisco
Stop by the Shofu booth, No. 1726, to experience the new GlasIonomer FX-II Capsule.
Unbeatable quality, service and value

**BruxZir**
SOLID ZIRCONIA

Crown Over Inclusive® Custom Abutment

$413*
all model work, labor and parts included

$353** from digital file

Screw-Retained Crown

$299*
all model work, labor and parts included

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Clinical dentistry by Perry E. Jones, DDS, MAGD

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- Astra Tech® OsseoSpeed®
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- Straumann® Bone Level®
- Zimmer® Screw-Vent®

Inclusive All-Zirconia Custom Abutments are only compatible with Biomet 3i Certain, Inclusive Tapered, Nobel Biocare NobelReplace and Zimmer Screw-Vent.

*Price is per unit and does not include $14 round-trip overnight shipping or applicable taxes. **Price is per unit and does not include $14 one-way overnight shipping or applicable taxes.

Inclusive Scanning Abutments are needed and can be purchased from Glidewell Direct. Glidewell Laboratories works in partnership with Neoss and Keystone; prices may vary.

Inclusive is a registered trademark of Inclusive Dental Solutions. BruxZir is a registered trademark of Glidewell Laboratories. *Not a trademark of Glidewell Laboratories.*

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Clinical performance report for BruxZir Solid Zirconia Crowns and Bridges during an 18-month period

Purpose
The purpose of this clinical study, conducted by The Dental Advisor, was to determine the clinical performance of BruxZir® Solid Zirconia Crowns and Bridges (Glidewell Dental Laboratories; Newport Beach, Calif.) during an 18-month period.

Clinical evaluation protocol
At recall time, more than 390 full-contour, monolithic BruxZir restorations (crowns and bridges) were placed. All restorations were fabricated at Glidewell Dental Laboratories. Most of the restorations were cemented with self-adhesive resin cement or adhesive resin cement.

Placement
The following parameters were evaluated at placement: esthetics, marginal accuracy, fit, interproximal contacts and occlusion.

Restorations were evaluated on a 1-5 rating scale: 1 = poor, 2 = fair, 3 = good, 4 = very good, 5 = excellent.

Results at 18 months
In December 2012, 367 BruxZir restorations were recalled and evaluated. Of the 367 BruxZir restorations observed at recall (Fig. 1), there were:

- 287 posterior single crowns
- 36 units: 12 three-unit bridges
- 24 units: Six four-unit bridges
- 10 units: Two five-unit bridges
- One three-unit inlay bridge
- Seven implant crowns

Of the 367 restorations, 121 (33 percent) had been in function for 18 months, while 246 (67 percent) had been in function for one year (Fig. 2).

The recalled BruxZir restorations were evaluated in the following categories:

- Resistance to fracture or chipping
- Esthetics
- Resistance to marginal discoloration
- Wear on zirconia and opposing dentition
- Retention

Restorations were evaluated on a 1-5 rating scale: 1 = poor, 2 = fair, 3 = good, 4 = very good, 5 = excellent.

Tables/Provided by Glidewell Laboratories
RETRACTION MADE EASIER!
With new Access® FLO

Quick. Easy. Flowable.

AccessFLO is a flowable clay-based gingival retraction paste that gently retracts tissue while controlling bleeding and fluids. Use AccessFLO prior to all crown & bridge impression procedures. Packaged in single-use Centrix syringe tips, AccessFLO saves time and eliminates cross-contamination. Simply insert a tip into your Centrix syringe and inject into and around the sulcus. Minimally invasive and tissue friendly, AccessFLO allows for quick and easy tissue displacement without the need for packing cord.

VISIT US AT THE CDA BOOTH #1609
AND RECEIVE A FREE MARK II™ SNAP-FIT™ SYRINGE WITH ANY ACCESSFLO PURCHASE.
Handpiece manufacturer aims for global leadership

TOKYO, Japan — It is no secret that the years since the global financial crisis have not been very kind to companies in Japan. First, the recession slowed business investments significantly down, then the negative effects of the 2011 tsunami and the massive destruction it wrought almost brought the world’s third largest economy to a halt.

For NSK, one of the country’s largest dental manufacturers, troubles in the home market are its least concern because the company conducts most of its business elsewhere.

According to President and CEO Eiichi Nakanishi, with whom Dental Tribune International had the opportunity to speak at the company’s headquarters in Tochigi, more than 80 percent of the company’s revenues are now generated by its operations outside of Japan.

In the last three years, NSK has been performing particularly well in mature markets such as Europe and North America, where it boosted its presence with the opening of its new headquarters near Chicago, despite unfavorable conditions such as high market saturation and the ongoing decline of the yen against the dollar.

Since 2009, Nakanishi has also seen his company regaining its former market shares in Asia through centralized distribution and after-sales support offered by its new subsidiary in Singapore. Another significant contributor has been NSK’s European office in Germany, which accounted for almost one third of the 22.2 billion yen ($278 million) in sales the company reported in 2011.

“That is why economic conditions in our home market have little or no impact on our overall business. We really think globally,” Nakanishi explained.

According to Nakanishi, who has run the company since 2000, one of the major reasons for NSK’s strong market position, even in established markets, is its dedication to innovation and quality, combined with the excellent after-sales service it is able to provide to customers in almost every country except North Korea. But this hasn’t always been the case.

Founded in the 1930s, the company had a rough start and operations were completely halted during World War II. Since the production of dental handpieces resumed in 1951, however, the company has grown extensively and now employs more than 700 people in its Japanese offices in Tochigi and Tokyo. NSK also still produces most of the precision parts in-house, which, according to Nakanishi, is one of the reasons that dentists now identify the company with high-quality products.

“We employ many good engineers and marketing people who help us to constantly improve our brand and make it more attractive to dentists,” he said.

One of NSK’s more recent innovations, which was launched at IDS in Cologne in 2011, for example, is the Ti-Max Z series, a durable premium handpiece that is purported to have the smallest heads and necks in the industry, as well as an exceptionally low noise level and virtually no vibration.

The Surgic Pro surgical micromotor has also received much interest, particularly by dental implant surgeons. This device is distributed alongside implant systems by major implant manufacturers.

NSK asserts it pays close attention to the needs of its customers, a philosophy that has resulted in products such as the S-max pico, which was developed solely for the treatment of patients with smaller mouths, such as children.

Moving into other markets is conceivable but unlikely to happen anytime soon, according to Nakanishi. Even though his company has begun to enter new areas in the last decade with the launch of instruments such as ultrasonic scalers and polishers, its core business will remain dental handpieces and other small-motor equipment.

“When it comes to handpieces, we have produced more innovations than our competitors,” Nakanishi said. “Our goal is to become the No. 1 company worldwide in this segment.”

For more information on NSK Nakanishi and its products, stop by the booth, No. 1141.

Here in San Francisco

The company’s headquarters in Tochigi, Japan.
Tech-savvy patients appreciate i-CAT FLX technology

By Imaging Sciences International staff

For procedures such as implants, endodontics and orthodontics, having the right technology can make a world (wide web) of difference. With the public’s increasing use of computers, finding the name of a dentist on the Internet is relatively simple.

However, with a wealth of knowledge at their fingertips, potential patients are looking for more than just a name and location close to their home.

Many patients are interested to discover if the clinician is using technology that will lead to a more exact diagnosis and effective treatment plan. When they find the practice has invested in an i-CAT® FLX cone-beam 3-D imaging system that offers the benefits of 3-D scans with lower radiation dose, their search for comprehensive treatment will be complete.

Dentists who have implemented 3-D technology can share the highly visual scans with their patients for better understanding about the reasons for treatment.

With i-CAT FLX Visual iQuity™ image technology that provides i-CAT’s clearest 3-D and 2-D images, clinicians can show patients scans of their own teeth, roots and bone.

Many patients appreciate that such details visible on 3-D scans can help to possibly avoid surgery. The dentist can diagnose more succinctly, plan more efficiently and have more confidence in the successful completion of the treatment plans for procedures such as implants, root canals, and tooth movement.

Besides the ability to view the dentition in three dimensions, with i-CAT® FLX, patients have the added benefit of lower radiation. The QuickScan+ feature allows for a full-dentition 3-D scan at a lower dose than a panoramic image, and the SmartScan STUDIO touchscreen interface and integrated acquisition system gives the clinician the opportunity to select the appropriate scan for each patient at the lowest acceptable radiation dose.*

Customized scanning options give greater control of the field-of-view, dose, and resolution.

With i-CAT FLX, clinicians do not need to compromise between image quality and patient safety. They can achieve all of the advantages of 3-D imaging with lower radiation exposure.

i-CAT’s CBCT technology is also compatible with the latest in CAD/CAM programs in robotics and guided surgery that result in less invasive and more predictable treatment.

Visit the i-CAT booth (No. 2216) here at the CDA to see the latest in award-winning technology, the i-CAT FLX. You’re sure to appreciate its control over scan size and dose and the feature-rich Tx STUDIO™ software.

* Data on file

The i-CAT FLX cone-beam 3-D imaging system offers the benefits of 3-D scans with lower radiation dose.

Photo/Provided by Imaging Sciences International
Improving gingival retraction

AccessFLO by Centrix is a kaolin clay-based gingival retraction paste in a single-use, unit-dose syringe delivery tip.

Gingival retraction and tissue management
Performing gingival retraction and tissue management is a critical step in crown and bridge procedures. The most common technique is the use of packing (retraction) cord; however, several alternate cordless retraction materials and additional techniques have evolved. In some cases, combination techniques are used involving both retraction cord and cordless materials. Using a retraction cord can be an unpleasant and time-consuming procedure for you, your staff and your patients. The use of cordless materials and techniques as part of crown and bridge procedures is a growing trend being adopted by more dental professionals.

A new addition
Centrix, a dental products manufacturer, continues its mission to “make dentistry easier.” Centrix is a key leader in the cordless gingival retraction arena with products that are minimally invasive and tissue-friendly, according to the company. Starting several years ago, with its launch of the first silicone VPS cordless gingival retraction product, called GingiTrac™, Centrix captured a piece of the retraction market. In 2012, Centrix then launched a kaolin clay-based gingival retraction paste called Access® Edge, which is sold in a single-use, unit-dose Centrix syringe delivery tip.

Now, in 2013, Centrix announces the newest addition to its cordless gingival retraction family: Access®FLO, a more flowable kaolin clay-based gingival retraction paste in a single-use, unit-dose Centrix syringe delivery tip.

AccessFLO by Centrix is a kaolin clay-based gingival retraction paste in a single-use, unit-dose syringe delivery tip.

Here in San Francisco
Visit Centrix at booth No. 1609 and speak to one of the product specialists about AccessFLO. As a special show bonus, you will receive a free Mark II™ Snap-Fit™ Syringe with any AccessFLO purchase. For more information, contact Centrix at (800) 235-5862 or visit the website at www.centrixdental.com.

An ideal gingival retraction solution?
AccessFLO is a flowable clay-based gingival retraction paste for use prior to all crown and bridge impression procedures. Minimally invasive and tissue-friendly, AccessFLO allows for quick and easy tissue displacement without the need for packing cord. Alternately, AccessFLO can be used in conjunction with packing cord, acting as a second cord. Available in single-use, unit-dose Centrix syringe tips, AccessFLO can save time while eliminating cross-contamination, according to the company. The built-in combined dual action of 15 percent aluminum chloride hemostatic agent and kaolin clay help to control bleeding and seepage of sulcular fluids. When it comes to cleanup, AccessFLO is easily rinsed out and removed with water spray and a vacuum after a minimum of only two minutes.

With AccessFLO, you can also achieve improved gingival retraction for more clearly defined margins by incorporating Centrix GingiCaps™, which utilize patient bite-down pressure to push AccessFLO into the sulcus.

In addition, AccessFLO comes in a convenient storage package, so you never have to worry about the material drying out.
AccessFLO features and benefits

- Flowable clay-based gingival retraction paste that is simple and easy to use
- Gentle, non-traumatic gingival retraction without packing cord that ensures clearly defined margins for better fitting restorations
- Can be used as a “two-cord technique,” acting as a second cord
- Single-use, unit-dose Centrix syringe delivery tips eliminate cross-contamination concerns of multi-use bulk syringes or cartridges
- Built-in dual astringent/hemostatic action of 15 percent aluminum chloride and kaolin clay control bleeding and seepage of fluids
- Easy cleanup and removal — simply rinse off with water spray, remove after a minimum of two minutes and reveal a clean, “open” sulcus
- Convenient packaging to save time, eliminate cross-contamination and keep material from drying out

About Centrix

Centrix is a Connecticut-based dental products manufacturer, founded in 1970 by Dr. William B. Dragan with a mission to “make dentistry easier.” The goal of Centrix is to create products aimed at helping the dentist in his or her everyday practice. Over the years, Centrix has continued to grow by expanding its product lines and continuing to improve upon existing concepts, while always keeping an eye on the quality of the product and simplicity of use.

Dr. Douglas Terry
Dental Photography DVD

Vol. 5 of Dr. Douglas Terry’s supplementary DVD set illustrates the procedures, techniques and scientific concepts presented in the book “Esthetic and Restorative Dentistry: Material Selection and Technique (Second Edition).” The DVD begins with an introduction by Dr. Terry, followed by a demonstration showing the views most dental offices must need to photograph, as well as the technique needed to take each one of them.

For more information, go online to www.photomed.net, call (800) 998-7765 or stop by the Photomed booth, No. 722, here in San Francisco.