

# Gendex redefines 3-D imaging

By Sierra Rendon, DTA Editor

**3**-D goes “high def” this week with Gendex’s launch of its GXCB-500 HD here at the Chicago Midwinter Meeting.

“The Chicago Midwinter is an exciting event for us because, of course, it’s one of our largest trade shows of the year, but it’s also an opportunity to talk about some of our newest technology innovations,” said Matt Reintjes, vice president of sales in imaging for Gendex. “At this Midwinter, we’re introducing our GXCB-500 HD, which is the newest enhancement to our 3-D product line.”

Along with the new high-definition feature, the GXCB-500 HD offers scan flexibility, fast workflow and integration capabilities.

“The product brings a number of benefits to the practitioner,” he said. “Not only are we adding a dedicated high-definition panoramic, but it’s a traditional low-dose, high-end pan, so it is not just a 3-D rendering of a pan. This is a big value to offices that want to take panoramics.”

That option allows a practice to

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consider downsizing to one piece of equipment that can do it all.

“With that flexibility, you can choose to use the GXCB-500 to completely replace your panoramic because in one device you get the power of 3-D and the power of a traditional 2-D pan,” he said.

Time and efficiency are important elements of the GXCB-500 HD, which allows dentists to have a patient in the chair and a plan on the screen in only a few minutes.

“We have an extremely fast scan and reconstruction time,” Reintjes said. “The GXCB-500 takes a 3-D image in seconds; it does a scan and reconstruction in about 30 seconds, which from a resulting image quality, a patient satisfaction and end-result standpoint, is a big benefit.”

“It’s just less time in the chair; you spend more time with the patient than with the equipment. That’s a big objective of ours.”



Matthew Reintjes, vice president of sales in imaging for Gendex, displays the GXCB-500 HD, a new 3-D product launched this week in Chicago.

The GXCB-500 HD has a unique, adjustable 3-D medium field of view that can be sized from as large as 8 x 14 cm to as small as 2 x 8 cm. This allows for the greatest flexibility of treatment covering a host of procedures from TMJ to implants to endo.

Additionally, the GXCB-500 is “powered by i-CAT,” meaning it uti-

lizes technology from its sister company, Imaging Sciences, to provide the best clarity, flexibility and speed.

“This product is a nice marriage of two well-known and respected brands: Gendex, which is a long legacy brand in dental and imaging, coupled with i-Cat, which has been the market leader in 3-D,” he said. “So we’ve married the strength of two businesses and the resulting product is the GXCB-500 HD.”

By creating an open-software architecture, collaboration with other companies is made possible as well.

“We’re partnering with market players such as E4D, so with implants and restorations, there will be a tie-in with the 3-D data, providing more streamlined procedures, which leads to additional practice efficiency and effectiveness,” Reintjes said.

“We’ve built in this integration so that with future applications in the growing areas of dentistry, such as CAD/CAM, we’ve designed a system that’s open and will allow us to continue to partner with the leaders in the market around those technologies.” ■

# Shofu’s Beautifil II touted in 8-year study

By Sierra Rendon, DTA Editor

**A**lthough it was officially released two years ago, Shofu’s Beautifil II is only now starting to really get the full launch and in-depth introduction it deserves, says Shofu President C. Brian Melonakos.

“There was actually a clinician roundtable Wednesday afternoon here at the Chicago Midwinter Meeting in which Beautifil II and its many benefits were discussed,” Melonakos said.

Beautifil II is a nano-hybrid composite with fluoride release and recharge. The product contains a stable phase of glass-ionomer with the ability to release and recharge fluoride, responding to the concentration of fluoride in the mouth while maintaining the strength and stability of a composite resin.

The internal structure of Beautifil II with its high filler load ensures long-term stability under rigorous intra-oral conditions combined with high flexural strength for universal application.

“These results were shown in an eight-year study, which took place at the University of Florida,” said Lynne Calliott, Shofu’s director of marketing. “It’s really unusual to see eight years of follow-up, so that’s very exciting.”

Beautifil II offers the following features:

- **Predictable esthetics:** Beautifil II

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was developed to simulate the internal structure of natural teeth with ideal light transmission and optical characteristics.

- **Versatility:** Excellent natural shade reproduction can be achieved with a chameleon effect, using a single shade that blends well with surrounding teeth, making the restoration undetectable. In esthetically demanding cases, additional shades can be used to achieve exceptional results.
- **Handling characteristics:** The handling characteristics were achieved with the inclusion of nano particles, making Beautifil II a user-friendly material that is easy to sculpt with no slump, is non-sticky and wets the preparation well with good thixotropic qualities.
- **Optimum polishability:** In addition to the S-PRG fillers, discrete nano fillers have been included in the filler structure of Beautifil II to obtain a filler load of 8.3 wt percent for fast and easy polishing with an outstanding surface luster that retains over time. (In the eight-year study, 95 percent of luster retained.)
- **Anti-plaque effect:** On the surface



Lynne Calliott, Shofu’s director of marketing, and Shofu President C. Brian Melonakos are pleased to explain the many benefits of Beautifil II.

of a tooth restored using Beautifil II, a “material film” layer is formed by saliva that is reported to minimize plaque adhesion and inhibit bacterial colonization. Although this “material film” layer may be removed by brushing, subsequent layers are reproduced by saliva. Therefore, S-PRG filler has a function of inhibiting plaque accumulation.

- **Significant fluoride release and recharge:** Beautifil II contains a stable phase of glass-ionomer with the ability to release and recharge fluoride responding to the concentration of a composite resin.

All of the positive features of

Beautifil II are the reason the product was named the Top Pediatric Product in 2009 by The Dental Advisor. “Generally, consultants found Beautifil II was especially useful for children and patients with high caries risk, where high fluoride release is important,” the award stated.

“There have been a number of attempts in the industry to create something like this, but we feel Beautifil II goes far beyond anything that has been achieved before,” said Randy Bailey, director of sales for Shofu.

As a special incentive, clinicians who purchase Beautifil II at the Chicago Midwinter Meeting will receive a complimentary Super-Snap Rainbow Technique Kit. ■