Technology helps improve 3-D images

**Scatter Reduction Technology delivers a new level of clarity and details**

Gendex introduces SRT™, Scatter Reduction Technology, to its award-winning GXDP-700™ cone-beam 3-D system.

This new feature allows clinicians to reduce artifacts caused by metal or radio-opaque objects, such as restorations, endodontic filling materials and implant posts.

The use of SRT image optimization technology delivers 3-D scans with higher clarity and detail around scatter-generating material.

SRT represents a significant aid when 3-D scans are required for a variety of procedures, from endodontic to restorative and the post-surgical assessment of implant sites.

“We continue to make significant investments in research and development to bring new, meaningful innovations to the market,” says Mike Bisha, senior product manager for Gendex.

“Our proprietary SRT technology further enhances the diagnostic capabilities of the modular GXDP-700 Series.”

The introduction of SRT to the GXDP-700 platform aligns with the Gendex design philosophy focused on delivering innovations with clinicians and patients in mind.

The activation of SRT is simple: When a scan is prescribed near a known area of scatter-generating material, the user needs only to select the SRT button from the GXDP-700 touchscreen interface.

Gendex is showing off the new SRT technology here at the AAO in booth No. 2607, along with its full line of comprehensive imaging solutions, ranging from digital intraoral sensors and panormics to intraoral cameras.

**About Gendex Dental Systems**

Gendex offers a wide variety of comprehensive digital imaging solutions for both general dentists and specialists. The company’s history in continuing innovation, along with a dedication to delivering products that exceed the needs of dental professionals, has earned Gendex recognition as a global leader, according to the company.

Learn more about the full line of Gendex products at www.gendex.com.
Don’t let braces hinder hygiene

By Kristine Colker, Show Daily Editor, and Sierra Rendon, Ortho Tribune

If you’re an orthodontist who would like to help your patients maintain a better level of hygiene care, you’ll want to learn more about Ortho Essentials. Crest and Oral-B, in collaboration with Dr. Duncan Brown, a practicing orthodontist, created Ortho Essentials to improve hygiene for patients with braces.

"Independent research suggests that patients with consistent poor oral hygiene could be in orthodontic treatment longer than originally expected," said Mike Wagner, category account executive at Procter & Gamble.

"Crest and Oral-B created the Pro-Health System: Ortho Essentials, which includes the Oral-B Professional Precision 5000 Electric Toothbrush with Smart Guide, Crest Pro-Health Clinical Protection Toothpaste, Crest Pro-Health Complete Rinse and Oral-B Super Floss. These products, when used together, are proven to reduce plaque and gingival bleeding."

Of course, none of these products can help if the patient is not consistent in using them.

"Compliance is key. Ortho Essentials includes many different patient education materials that will help keep the patient using the products to improve their oral health," Wagner said.

Another way orthodontists can help their patients is by directing them to the new Embrace It! hub, also from Crest and Oral-B.

"Embrace It! is a one-stop shop where one can find information pertaining to any part of the ‘braces journey,’" Wagner said. "With an eye to understanding what would actually be helpful and useful to a parent and their kids, this hub will provide practical content, expertise and resources to parents while also providing engaging tools parents will actually want to share with their kids and tweens. Also here, parents can find participating Ortho Essentials offices in the area where they live."

Orthodontists can point parents to the Embrace It! hub at the same time a child is first receiving braces. "Orthodontists should embrace the hub, no pun intended, and feel like they can use Embrace It! as a resource to share with their patients," he said. "They should feel great about sitting down and using the materials on Embrace It! during an appointment or sending parents home with the website to learn more, giving peace of mind to both the orthodontists and patients."

To learn more about Embrace It!, visit www.embraceit.com or stop by the company’s booth, No. 2101.
BIOLASE, a leading laser manufacturer and distributor of NewTom and JShape TRIOS technologies in North America — is showcasing its award-winning laser systems, 3-D cone-beam devices and digital intraoral scanning technology here at the AAO.

**EPIC standard set for diode lasers**

New this year is the EPIC Total Diode Solution, the newest laser from BIOLASE. It’s described by the company as being packed with one category-exclusive feature after another, setting a new standard in diode laser performance and value. A graphical touchscreen gives clinicians fingertip access to as many as 20 common soft-tissue procedure presets — plus 20-minute full-mouth whitening and FDA-cleared temporary pain relief.

Additionally, a new ComfortPulse setting reduces pulse length to as little as one ten-millionth of a second to avoid heat buildup at the surgical site. This provides for fast tissue cutting with less patient discomfort.

**3Shape TRIOS digital scanner, full range of WaterLase all-tissue lasers**

Another addition is the 3Shape TRIOS digital intraoral scanner system. The TRIOS digital solution, which includes a hand-held scanner, operator’s control cart and intuitive software, provides faster impression taking, improved accuracy and clinical results, reduced need for retakes and less adjustment and grinding.

According to 3Shape, TRIOS’ unique features include spray-free scanning, high accuracy optimized for an extensive range of indications, clinical scan validation, online communication with the lab and intuitive Smart-Touch user interfacing.

Other products you can get information about include WaterLase iPlus, WaterLase MDX and WaterLase MD Turbo, BIOLASE’s full range of all-tissue laser devices. According to the company, WaterLase iPlus represents a pinnacle of 20 years of research to improve cutting speed to match that of a high-speed drill, with a fraction of the discomfort and ancillary challenges a dental drill creates.

The WaterLase MDX and WaterLase MD Turbo are described as being ideal for practices seeking a basic, lower-cost entry point for all-tissue laser dentistry.

“Although the WaterLase MD platform was first released in 2004, there have been many improvements and refinements, including a more flexible fiber, faster-cutting handpieces and many other important improvements,” said Dmitri Boutoussov, BIOLASE chief technology officer and longtime head of the company’s research and development department.

**NewTom compact CBCT technology**

Finally, the Biolase booth has full-size models of NewTom Cone-Beam Computed Tomography (CBCT) technology. The technology is relatively new to dentistry and is a more compact version of standard medical CT imaging.

The NewTom VGi is reported to have the finest image quality of any CBCT system in dentistry, with a minimal dose of radiation to patients. Clinicians using the NewTom CBCT technology report increased treatment plan acceptance, improved diagnostic capabilities and other advantages, according to the company.

**About BIOLASE**

BIOLASE develops, manufactures and markets dental lasers and distributes and markets dental imaging equipment. BIOLASE’s core products include dental laser systems, dental imaging equipment and CAD/CAM systems. BIOLASE has sold more than 21,000 lasers.