X-Runner all-tissue ablative laser scanner

Designed for use with the Lightwalker AT, combo erbium, Nd:YAG dental laser system

“The X-Runner” was designed specifically for the award-winning LightWalker AT Dual Wavelength dental laser. X-Runner is the first ablative all-tissue laser scanning handpiece in the dental industry. The X-Runner has automated all-tissue ablation capabilities and lets the user instantly adjust spot size and shape of the cutting area.

According to the company, X-Runner is the perfect tool to use whenever deep, wide or precise cuts need to be made in hard or soft dental tissues. The shape and size of an ablation area can be selected in advance to optimize the cutting process, enabling dentists to work more precisely, faster and with greater ease than ever before. The new handpiece is ideal for a wide range of treatments, from standard cavity and veneer preps to high-precision surgical and implantology procedures.

All parameters and settings that are available with the Lightwalker AT's standard laser handpieces (energy, frequency, mode, spray) can also be used with X-Runner, and users can instantly switch between the new automated modulation and the classic handpiece modality without the need to swap handpieces. X-Runner offers a variety of treatment shapes (circular, rectangular/linear and hexagonal) that can be set according to a number of parameters, such as the size of the ablation area (width and length, or diameter in the case of the circle and hexagon) as well as the number of laser passes needed to produce the required ablation depth. X-Runner can also produce a precise linear cut, for instance to cut the root apex or to perform an incision in soft-tissue surgery. You can watch the X-Runner in action at www.t4med.com/lightwalker_videos.html.

The award-winning Fotona Lightwalker AT is a high-performance, ultra-fast and versatile laser with both Er:YAG and Nd:YAG wavelengths and a long list of technological and clinical advancements that puts it in a class of its own.

According to the company, Lasers4Dentistry, with the Fotona lineup, is a leader in the U.S. market with a history of breakthroughs in dental technology:

• The only laser with both Nd:YAG and erbium fully integrated in the same system.
• The only choice with 20 watts of erbium power.
• The only laser available with an all-tissue ablative scanner.
• The only laser with QSP mode.
• The highest-power erbium laser available, 20 watts of Er:YAG energy for ultra-fast cutting of both hard and soft tissue.
• 15 Watts of Nd:YAG energy for treating periodontal disease, soft-tissue surgery and effective biostimulation.
• Quantum Square Pulse (QSP) technology for ultimate performance, cutting speed and treatment precision.
• Industry-leading 50 µs Super Short Pulse (SSP), resulting in less need for local anesthetic.
• Proprietary Variable Square Pulse (VSP) increases cutting precision and speed and provides patients with a more comfortable experience.
• OPTOflex® articulated arm delivery system, the gold standard for efficiency, ergonomics and reliability.
• X-Runner, the world's first and only automated dental laser scanner.
• Optional high-visibility green aiming beam.
• Internal air compressor, eliminating external air lines.
• Options for expanded esthetic procedures, including treatments for wrinkles, pigmented and vascular lesions and other advanced cosmetic indications.