

NEW ULTRA-PORTABLE LIGHTSHEER™ LASERS DELIVER SAME HIGH-PERFORMANCE TECHNOLOGY IN HALF THE SIZE

LightSheer ET and ST Expand Popular Diode Laser Family

SANTA CLARA, CA (May 5, 2001) – Lumenis introduced today the newest – and smallest – members of the LightSheer™ Diode Laser family. The LightSheer ST and ET feature the same high-power diode laser technology as the full-sized LightSheer lasers, in a more compact, easily portable design. The new ultra-portable models were designed to make diode technology more accessible to a wider range of users in a variety of practice settings, allowing them to meet the growing demand for hair removal services.

“We are constantly looking for ways to better service the evolving needs of our customers and their patients,” said Robert Grove, Senior Vice President and General Manager of the Aesthetic Business Unit for Lumenis, manufacturers of the LightSheer. “The LightSheer ST and ET combine the superior performance, reliability and efficiency of LightSheer lasers with a contemporary, streamlined design. It’s an ideal choice for physicians with multiple treatment locations or shared practices, as well as those practitioners with limited office space.”

Americans now spend an estimated \$1.5 billion annually on hair removal products, according to industry experts, and lasers are achieving widespread recognition as the most time-efficient, yet effective, method of permanent hair reduction available.

These two LightSheer systems use diode technology to provide permanent hair reduction to the widest range of skin types, including tanned and dark skin. In addition, all LightSheer lasers, including the new portable versions, have recently been cleared by the FDA to treat leg veins, benign pigmented lesions, and pseudofolliculitis barbae or “beard bumps,” a common problem for many men who shave, particularly African-Americans.

The LightSheer ET is the more powerful of the two new tabletop products and

delivers energy at a higher fluence (up to 60 J/cm²) with a rapid coverage rate, resulting in shorter treatment times. The LightSheer ST system has a slightly lower fluence (up to 40 J/cm²), as well as a lower list price – making it an affordable option for physicians who are just starting a hair removal practice. Both lasers feature a patented sapphire ChillTip™ handpiece that actively cools the treatment area before, during and after each laser pulse to protect the epidermis and reduce patient discomfort. They have a user-friendly interface, allowing for easy selection of optimal treatment parameters, and complete pulse duration control for effective treatment of a wide range of hair diameters.

In addition to standard gray, the LightSheer ST and ET are also available in three attractive colors – sea grass, rose and sky blue – to enhance the treatment environment. The lasers come with an optional, easy-to-move cart that includes ample storage space for treatment accessories like protective eyewear and razors. Because they are so compact and electrically efficient, the LightSheer ST and ET can be easily installed and operated from any standard wall outlet.

"As a physician with multiple hair removal practices, I need a high-performance laser that is also mobile and easy to use," says Dr. T. Takahashi, President of Takahashi Clinics, Tokyo, Japan, following a two-month clinical reliability test of the LightSheer ET. "The new LightSheer systems are very reliable and provide excellent results. They also allow me the flexibility to move lasers among my offices, eliminating the need to invest in a number of expensive, full-sized lasers for each location."

In addition to the new LightSheer ET and ST, Lumenis will also continue to offer the LightSheer XC, the highest performance system in the LightSheer family, designed for practices with a high volume of hair removal procedures. The LightSheer XC features a high fluence rate (60 J/cm²) and a larger spot size to provide the most rapid coverage rate with optimum results.

The first LightSheer Diode Laser was introduced in 1998. Since that time, the LightSheer name has earned a reputation for safety, efficacy, reliability – and now, even greater portability.

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The statements in this press release that are not historical facts are forward-looking statements that involve risks and uncertainties as well as other risks detailed from time to time in the reports filed by ESC Medical with the SEC, including annual reports on Form 10-K for the year ended December 31, 1999 and reports on Form 10-Q.

Lumenis, the world leader in laser and light-based technologies for medical and aesthetic applications, was created on April 30, 2001 through the combination of ESC Medical Systems and Coherent Medical Group. The best traditions and practices of both companies will become the engine that drives Lumenis. Our design is to be a potent force for innovation -- providing quality products, responding in a meaningful way to the needs of the medical community and their patients, and above all, keeping the promises we make.