



| SLT/PHOTODISRUPTOR COMBINATION LASER |

tango™

Groundbreaking SLT
and YAG treatments
from a single system.



tango™

tango™

The Ellex Tango provides selective laser trabeculoplasty (SLT) and YAG capabilities in a single, advanced laser system. Its SLT mode delivers an innovative, non-invasive surgical approach for stimulating the generation of healthy trabecular meshwork cells and managing intraocular pressure. This repeatable treatment promotes cellular regeneration without the burn and scar tissue associated with other laser procedures. The Tango's YAG mode provides optimized, ultra-low optical breakdown for capsulotomy and iridotomy procedures. The Tango features a proprietary dual mode laser cavity and ensures efficient delivery of laser energy that is life-tested to deliver 400,000 shots.



Indications for use

Glaucoma Selective Laser Trabeculoplasty (SLT)
 Laser Iridotomy

Cataract Posterior Capsulotomy

Why You Should Buy Your Laser from Ellex

Ellex engineered its first high-performance ophthalmic laser in 1985, and today is the only laser manufacturer focused solely on the ophthalmic market. Ellex manufactures and sells a complete line of solid-state laser systems for treating cataract, retina and glaucoma patients. In all, more than 12,000 Ellex-manufactured lasers are in use worldwide.

Why the Tango design is superior

Built-In, Fully Integrated Design

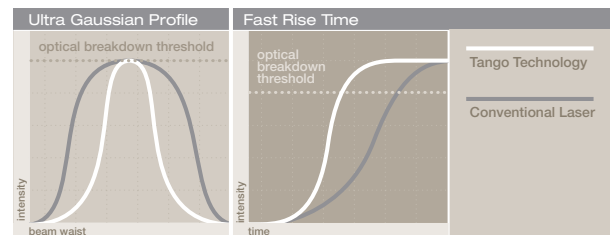
Ellex's fully integrated design optimizes laser treatment and provides a number of advantages, including a shorter travel distance for the laser beam, no add-ons or cables, and more stable, reliable and consistent delivery of energy. The Tango's built-in slit lamp features converging optics to provide a more natural stereoscopic view that is ideal for anterior segment viewing. This compact, efficient design creates more working space for the physician, as well as convenient, simultaneous access to the patient and laser controls.

Proprietary Dual Mode Laser Cavity

The Ellex design team capitalized on 20 years of ophthalmic laser innovation to create an SLT and YAG combination laser that incorporates a number of laser industry firsts. These include a proprietary dual mode cavity specifically designed to make procedures as effective as possible. In addition, the laser cavity has been combined with the slit lamp and other system components for optimized performance.

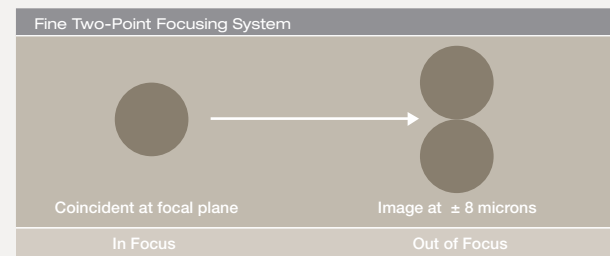
Ultra Gaussian Beam Profile in YAG Mode

The Ultra Gaussian beam profile and fast plasma rise time achieve ultra-low optical breakdown (in air) at approximately 1.8 mJ. This optimized laser energy enables capsulotomies and iridotomies to be performed at lower, more efficient power levels, resulting in a much lower risk of lens pitting, more efficient tissue cutting with fewer shots and less cumulative energy delivered.



Fine, Two-Point Focusing System in YAG Mode

With the Tango's tolerance range of ± 8 microns, the physician can easily detect if the system is out of focus, and can ensure that energy is placed where intended in relation to the target.



Ellex SLT Technology

The Ellex Tango features a high level of precision, in which parameter settings can be adjusted at 0.1 mJ increments. This capability, coupled with superior energy control and the fastest repetition rate in the industry at 3 hertz, enables the physician to deliver quick and highly accurate SLT treatment. All SLT treatment parameters are designed to industry-recognized treatment protocols, maximizing treatment options and ensuring effective patient results by enabling the physician to tailor treatment to the individual patient's response.

SLT Photoregeneration

SLT is a highly effective approach for first-line glaucoma treatments, adjunct therapy with drugs, and alternative therapy when drugs or surgery fail. It is also a flexible treatment option, because it can be repeated, if necessary, depending on the individual patient's response. SLT uses short pulses of low-energy light to target the melanin in specific cells of the affected eye. In response, the body's natural healing mechanisms rebuild these cells, improving drainage and lowering intraocular pressure. The surrounding, non-pigmented cells – as well as the rest of the eye structure – are untouched and undamaged.



Our sole focus is ophthalmology. Our technology is extraordinary.

SLT PHOTOREGENERATION

Ellex Value-Added SLT Program

In order to maximize the potential of SLT within an ophthalmic practice, Ellex has developed the Value-Added SLT Program. This program delivers a number of tools designed to increase the visibility of SLT among patients, and provides a wealth of treatment information based on the extensive experience of doctors, researchers and clinicians who are considered SLT experts by the field. Topics include how to qualify patients for treatment, optimal treatment techniques and the latest SLT research studies from around the world.

The Ellex Value-Added SLT Program includes:

SLT Physician Website: slt-ellex.com

- “Ask the Experts” for clinical tips and questions
- Ongoing global study results
- Clinical bibliography
- Treatment protocols
- Upcoming conferences, user groups, and other events



Practice Marketing Tools

- Media press kit for raising visibility and awareness
- Patient education brochures and waiting room posters



In addition, Ellex’s rapidly expanding sales and support network ensures that ongoing SLT clinical expertise and product support is available whenever and wherever it’s needed.

Product Specifications

	SLT	YAG
Laser Source	Q-switched, frequency doubled Nd:YAG	Q-switched Nd:YAG
Wavelength	green: 532 nm	1064 nm
Power Delivered	0.3 to 2.6 mJ, per pulse, continuously variable	0.3 to 10 mJ, per pulse, continuously variable
Pulse Duration	3 ns	4 ns
Burst Mode	single pulse only	1, 2 and 3 pulses per burst, selectable
Spot Size	400 microns	8 microns
Cone Angle	<3 degrees	16 degrees
Posterior Offset	not applicable	100 to 350 microns, continuously variable
common to both		
Repetition Rate	up to 3 hertz	
Aiming Beam	red diode, adjustable intensity	
Magnification	10x, 16x, 28x	
Cooling	air cooled	
Electrical Requirements	100–240 VAC, 50/60 Hz, 500 VA	
Weight	45 kg, 99 lbs (as shown)	
Dimensions (HxWxD)	135 x 92 x 51 cm, 53 x 36 x 20 inches (as shown)	
Standard Accessories	remote control, safety glasses, laser safety sign, dust cover	
Optional Accessories	Total Solution™ tables, tonometer mount, SLT laser lens, capsulotomy and iridotomy laser lenses, footswitch, five-position magnification changer, beam splitter, 35 mm camera adapter, video camera adapter, co-observation tube	

Not for sale in the United States. Specifications are subject to change without notice.

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