



tango™

Accuracy and efficacy
across three key
treatment modalities

SLT FOR GLAUCOMA

CAPSULOTOMY

IRIDOTOMY

Helping the world see clearly

Tango™ – excellent results, every time

Whether you're seeking to treat glaucoma, or you're performing capsulotomy or iridotomy procedures, Tango™, with its fully featured SLT laser and its powerful, precise YAG laser, will enable you to secure the results you and your patients are looking for — consistently and to the highest standard.

Choose Tango™ from Ellex, and you'll be able to move effortlessly between SLT and YAG modes, which means you can treat patients with glaucoma and secondary cataract with maximum accuracy and optimal efficacy.

Three key treatment options

Choose Tango™, and you can select from three treatment modalities, which comprise:

SELECTIVE LIGHT THERAPY (SLT)
(SELECTIVE LASER TRABECULOPLASTY)

CAPSULOTOMY

IRIDOTOMY



tango

Offset μm

Posterior

Anterior

ellex

Energy

tango

16x

P 100
P 200
P 300
P 400
P 500

90 60

SLT; primary therapy for effective, proven glaucoma treatment

Tango™ incorporates Ellex's proprietary SLT technology — providing superior energy control, a sharp-edged aiming beam and the industry's fastest firing rate of three shots per second*.

It's a solution that, when used as a first-line therapy, can reduce IOP as effectively as medication without the associated side effects or compliance problems.**

* Based on system performance testing. Data on file. Ellex Medical.

** Katz LJ, Steinmann WC, Kabir A, Molineaux J, Wizov SS, Marcellino G; SLT/Med Study Group. Selective laser trabeculoplasty versus medical therapy as initial treatment of glaucoma; a prospective, randomized trial. *J Glaucoma*. 2012;21:460-8

Treat Glaucoma – naturally

Specify Tango™, and you can deliver SLT to stimulate the eye's natural healing response to manage your glaucoma patients' IOP without the burn and scar tissue associated with argon laser trabeculoplasty (ALT). It can also eliminate the issues of compliance and side effects associated with medications.

Evaluate pathology

Not only does SLT offer a highly effective treatment option for glaucoma, but it can also be employed to help estimate the location of the pathology. If intervention with SLT is successful, the primary obstruction region may lie within the trabecular meshwork, but if it is ineffective, then the primary obstruction may reside distal to the trabecular meshwork.

Seamless pairing with MIGS

SLT delivered by Tango™ pairs seamlessly with all MIGS procedures, including ABiC™ performed with Ellex's iTrack™ surgical system, as both a preoperative diagnostic aid or as a postoperative adjunct, and can be deployed synergistically to reduce the need for further medication or future filtration surgery.

Accurate, effective capsulotomy

Tango's YAG mode features an Ultra Gaussian beam profile and fast rise time. That means you can perform capsulotomies and iridotomies at lower, more efficient energy levels.

With less energy delivered into the eye, you'll be able to carry out capsulotomies with all types of IOLs and with significantly less risk of lens pitting*.

* Based on system performance testing.

** Average performance only. Based on system performance testing. Data on file. Ellex Medical.

Precision in incision

Ellex's unique YAG laser cavity within Tango™ can typically achieve the industry's lowest energy optical breakdown at 1.8 mJ in air². This allows the energy to form a tight plasma ball, and results in less energy dispersion into surrounding tissue.

IOL-friendly photodisruption

Tango™ focuses more energy into the center of the beam profile to deliver greater energy density — reducing the energy needed to effectively perform capsulotomy and consequently greatly reducing the risk of lens pitting[†].

Precision capsulotomy

Choose Tango™ and you'll achieve new levels of capsulotomy accuracy — a perfectly centered and precise capsulotomy that won't affect bag tension or the IOL's visual axis position.

Specifications

	SLT Mode	YAG Mode
Laser Source	Q-switched, frequency doubled Nd:YAG	Q-switched Nd:YAG
Wavelength	green: 532 nm	infrared: 1064 nm
Energy	0.3 to 2.6 mJ per pulse, continuously variable	0.3 to 10 mJ per pulse, continuously variable
Pulse Width	3 ns	4 ns
Burst Mode	single pulse only	1, 2 and 3 pulses per burst, selectable
Spot Size	400 μm	8 μm
Cone Angle	<3 degrees	16 degrees
Offset (Anterior and Posterior)	not applicable	0, \pm 100 to 500 μm , continuously variable

Common Features Specification

Repetition Rate	up to 3 Hertz
Aiming Beam	red 635 nm, adjustable intensity
Magnification	optimized for enhanced anterior segment visualization
Cooling	air cooled
Electrical Requirements	100–240 VAC, 50/60 Hz, 800 VA
Weight	31 kg, 68 lbs (laser only)
Dimensions (HxWxD)	57 x 75 x 44 cm, 23 x 30 x 18 inches (laser only)
Standard Accessories	Total Solution™ tables, remote display, safety glasses, laser safety sign, dust cover
Optional Accessories	Tonometer mount, SLT laser lens, capsulotomy and iridotomy laser lenses, footswitch, five-position magnification changer, beam splitter, “C” mount camera adapter, video camera adapter, co-observation tube



A proprietary dual-mode laser cavity design allows you to efficiently switch between SLT and YAG modes at the touch of a button.

A highly accurate two-point focusing system with a tolerance range of $\pm 8 \mu\text{m}$ in YAG mode delivers pinpoint precision.





Find out how Tango™ will help you set new standards in SLT for glaucoma and for capsulotomy and iridotomy.

Contact us now to schedule a demonstration

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Helping the world see clearly

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Tango™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Selective Laser Trabeculoplasty (Selective Light Therapy, SLT), Capsulotomy and Laser Iridotomy.

