



# tango reflex™

Setting the standard  
in treatment versatility  
and patient care quality

SLT FOR GLAUCOMA

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POSTERIOR MEMBRANECTOMY

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CAPSULOTOMY

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IRIDOTOMY

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# Proprietary technologies to expand your scope of care

Every day, patients present a diverse range of eye conditions for you to evaluate and treat.

With Tango Reflex™ from Ellex, you can perform a full range of anterior and posterior YAG laser procedures.

**Tango Reflex™ enables you to expand the scope of care you're able to provide, and all at the absolutely highest standard of efficacy.**

tango reflex.

## A broad range of treatment options

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

SELECTIVE LASER TRABECULOPLASTY (SLT)

POSTERIOR MEMBRANECTOMY

CAPSULOTOMY

IRIDOTOMY

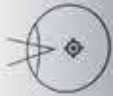


tango  
reflex

Offset  $\mu\text{m}$



Posterior



Anterior

ellex

16

100x

0

100 P

200 P

300 P

# Tango Reflex™ – treatment versatility, patient care quality

## Floaters & Opacities

### **best ever visualization**

Featuring Ellex's proprietary Reflex Technology™, Tango Reflex's visualization in both on-axis and off-axis modes, combined with titratable illumination, allows you to accurately visualize floaters and opacities, and to assess their position relative to the lens or retina.

## SLT

### **precision — and beyond**

Tango Reflex™ 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.\* With an enhanced view of the trabecular meshwork, you'll be able to perform SLT procedures faster and more accurately.

## YAG

### **low energy, high efficiency**

Tango Reflex'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\*.



A proprietary dual-mode laser system, teamed with an intuitive tablet interface, allows you to instantly switch between SLT and YAG modes at the touch of a button.



The Reflex illumination mirror ensures that the laser beam is never obstructed - minimizing the risk of under-dosing or over-dosing the energy and ensuring the desired therapeutic effect.

# SLT; primary therapy for effective, proven glaucoma treatment

Specify Tango Reflex™, 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's a solution that, when used as a first-line option, can reduce IOP as effectively as medication, without the associated side effects or compliance problems\*.**

\* 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

## **Stimulate safe healing**

SLT delivered by Tango Reflex™ works by applying selective photothermolysis of the pigmented trabecular meshwork cells. This intervention stimulates the release of proteins and cytokines and the recruitment of macrophages to improve the circulation of aqueous humor through the meshwork and the inner wall of Schlemm's canal — all without causing thermal or coagulative damage.

## **Evaluate pathology**

You can evaluate the result of intervention with SLT to 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 elsewhere.



# Accurate, effective capsulotomy

A powerful solution for post-capsular fragments and opacities. Choose Tango Reflex™ and you'll secure new levels of accuracy in capsulotomy — a perfectly centered, precise capsulotomy.

**It's accuracy that minimizes fringes and tags and prevents lens damage — even if the lack of a ridge makes the capsule adhere to the optic.**

tango reflex.

## **Precision in incision**

Ellex's proprietary YAG laser cavity within Tango Reflex™ delivers a four nanosecond Ultra Gaussian pulse at high peak energy and can typically achieve the industry's lowest energy optical breakdown\*. This allows the energy to form a tight plasma ball, and results in less energy dispersion into surrounding tissue. This makes possible a tissue incision technique that deploys a smaller shockwave, which delivers superior treatment precision and maximizes procedure efficacy.

## **IOL-friendly photodisruption**

Featuring an Ultra Gaussian beam profile, Tango Reflex™ 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\*.

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

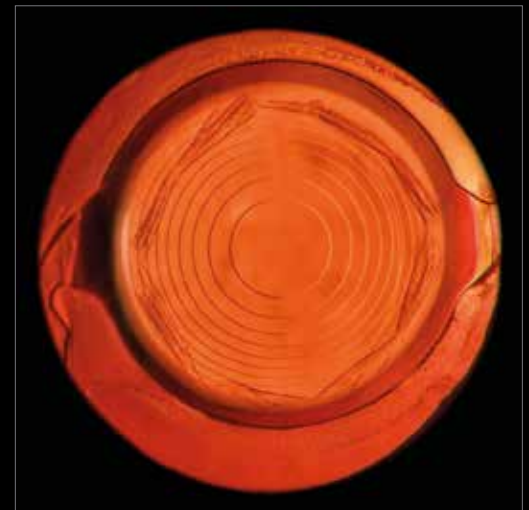


## Prevent post-capsulotomy floaters

Employing TCI™ to identify capsular fragments, Tango Reflex™ can be used to vaporize broken pieces of the fragment and help prevent the common problem of sudden post-capsular floaters post treatment.



Capsulotomy, Ellex – Step 1: multifocal lens



Capsulotomy, Ellex – Step 2: multifocal lens

# Specifications

	SLT Mode	YAG Mode
<b>Laser Source</b>	Q-switched, frequency doubled Nd:YAG	Q-switched Nd:YAG
<b>Wavelength</b>	green: 532 nm	infrared: 1064 nm
<b>Energy</b>	0.3 to 2.6 mJ per pulse, continuously variable	0.3 to 10 mJ per pulse, continuously variable
<b>Pulse Width</b>	3 ns	4 ns
<b>Burst Mode</b>	single pulse only	1, 2 and 3 pulses per burst, selectable
<b>Spot Size</b>	400 $\mu\text{m}$	8 $\mu\text{m}$
<b>Cone Angle</b>	<3 degrees	16 degrees
<b>Offset (Anterior and Posterior)</b>	not applicable	0, $\pm 100$ to $\pm 500$ $\mu\text{m}$ , continuously variable
<b>Aiming Beam</b>	red 635 nm, adjustable intensity	green 515 nm, adjustable intensity

### Common Features Specification

<b>Repetition Rate</b>	up to 3 Hertz
<b>Magnification</b>	optimized for enhanced anterior segment visualization
<b>Cooling</b>	Fan-cooled
<b>Electrical Requirements</b>	100–240 VAC, 50/60 Hz, 800 VA
<b>Weight</b>	31 kg, 68 lbs (laser only)
<b>Dimensions (HxWxD)</b>	57 x 75 x 45cm, 23 x 30 x 18 inches (laser only)
<b>Standard Accessories</b>	Total Solution™ tables, remote display, safety glasses, laser safety sign, dust cover

*Specifications are subject to change without notice*



# tango reflex™

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

## Contact us now to schedule a demonstration

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## Helping the world see clearly

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Tango Reflex™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) (510K) Market clearance for the indications of Posterior Membranectomy, Selective Laser Trabeculoplasty (SLT) Capsulotomy and Laser Iridotomy.

