

tango reflex™

MULTI-MODALITY
YAG/SLT LASER



LUMIBIRD®
MEDICAL

**Laser Floater Treatment
Premium Capsulotomy
Glaucoma Treatment**

tango reflex™



EXCEPTIONAL 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 the posterior capsule as well as vitreous strands and opacities, and to assess position of floaters relative to the lens or retina.



TANGO REFLEX™ ENABLES YOU TO **EXPAND THE SCOPE OF CARE** YOU'RE ABLE TO PROVIDE, AND ALL AT THE **ABSOLUTELY HIGHEST STANDARDS OF SAFETY AND EFFICACY.**

■ Reflex Technology™ Treatment versatility, patient care quality

The effectiveness of laser vitreolysis and capsulotomy has been transformed through the development of Ellex's Reflex Technology™ platform, which includes True Coaxial Illumination (TCI™) that generates a titratable red reflex, a precise aiming beam and a superior energy beam profile - all within a unique slit lamp illumination tower design that converges and focuses your sight line, target illumination and treatment beam into one optical path.

■ True Coaxial Illumination (TCI™) Treat with greater accuracy

True Coaxial Illumination (TCI™) is at the heart of Tango Reflex™. It's technology that provides a stable and titratable red reflex across the entire working diameter within the pupil, that creates the highest degree of contrast, edge definition and detail shadowing for posterior capsule and throughout the vitreous.

LFT

LASER FLOATER TREATMENT

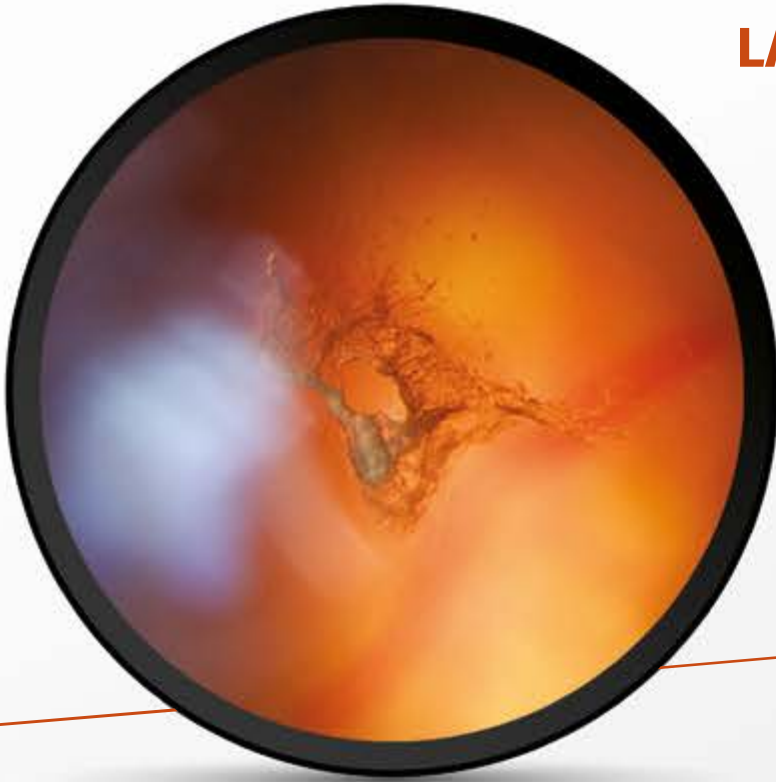


Image courtesy of Karl Brasse, MD

**LASER VITREOLYSIS -
TRANSFORM** VISUAL
ACUITY, **IMPROVE**
PATIENTS' LIFE QUALITY

■ Reflex Technology™

A powerful solution to diagnose and manage symptomatic floaters

In the past, physicians have had to rely on vitrectomy as the only effective medical intervention for symptomatic floaters.

Due to the risk profile of the surgical procedure, patients have been told to live with symptomatic floaters. However, recent studies have shown that laser floater treatment known as laser vitreolysis is a viable option for the symptomatic relief of selected patients.¹

■ Tango Reflex™

Greater consistency in clinical results

Laser vitreolysis is a safe and effective first-line in-office laser-based option to reduce or eliminate visual disturbance caused by symptomatic floaters.

Reflex Technology™ is a holistic laser solution for the treatment of debilitating floaters. Laser vitreolysis performed with Reflex Technology™ efficiently vaporizes hyaluronic acid and collagen strands to clear or reduce the size and/or amount of floaters in the vitreous.

Employing TCI™ to generate red reflex, Tango Reflex™ provides an enhanced visualization of the anterior and posterior vitreous. This minimizes the potential for focusing errors and the risk of damage to the natural lens or retina, providing a safe and highly effective tool for the treatment of vitreous strands and opacities.

HDcap™

PREMIUM 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.




Image courtesy of Karl Brasse, MD

The benefits of Ellex's proprietary Reflex Technology™ extend beyond the safe treatment of floaters.

Employing TCI™ to visualize capsular fragments, Tango Reflex™ can be used to visualize and vaporize broken pieces of fragments and help prevent the common problem of sudden floater development after capsulotomy.

■ Green aiming beam

Tango Reflex™ features a precise green aiming beam that provides the highest degree of contrast in red reflex background, resulting in greater targeting accuracy which further enhances the safety profile of YAG laser treatments.

■ Precision in incision

Ellex's proprietary YAG laser cavity within Tango Reflex™ delivers a four nanosecond Ultra Gaussian pulse at high peak power and can typically achieve the industry's lowest optical breakdown energy at 1.5 mJ in air². That means you can perform capsulotomy at lower, more efficient energy levels. With less energy delivered into the eye, you'll be able to carry out HDcap™ capsulotomy with all types of IOLs, and with significantly less risk of lens pitting.

Choose Tango Reflex™ and you'll secure new levels of accuracy with HDcap™ capsulotomy - a perfectly centered, precise capsulotomy.

SLT

■ Selective Laser Trabeculoplasty Primary therapy for effective, proven glaucoma treatment

SLT is an advanced, non-thermal nanosecond laser treatment that can achieve intraocular pressure (IOP) reduction as effectively as medication, without the associated side effects or compliance problems.³⁻⁵



LIGHT STUDY IN FIGURES³



652
PATIENTS RANDOMLY ASSIGNED TO SLT
(329 PATIENTS) **OR EYE DROPS**
(323 PATIENTS).



74,2%
OF SLT PATIENTS REACHED TARGET IOP
AND WERE DROP-FREE AT 36 MONTHS.



5 TIMES LESS MEDICATION-DROP
RELATED ADVERSE EVENTS* WITH SLT.
**Aesthetic side effect or ocular reactions.*

Selective Laser Trabeculoplasty (SLT) is clinically proven by the LiGHT trial to be a **safe and effective first-line therapy** for the treatment of primary open angle glaucoma or ocular hypertension.³

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 four shots per second.⁴

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

tango reflex™

TECHNICAL SPECIFICATIONS

SLT MODE

Laser Source	Q-switched, frequency doubled Nd:YAG
Wavelength	green: 532 nm
Energy	0.3 to 2.6 mJ per pulse, continuously variable
Pulse Width	3 ns
Spot Size	400 µm
Illumination	LED light source
Aiming Beam	red 635 nm, adjustable intensity

YAG MODE

Laser Source	Q-switched Nd:YAG
Wavelength	infrared: 1064 nm
Energy	0.3 to 10 mJ per pulse, continuously variable
Pulse Width	4 ns
Burst Mode	1, 2 and 3 pulses per burst, selectable
Spot Size	8 µm
Offset (Anterior and Posterior)	0, 100 to 500 µm, continuously variable
Illumination	True Coaxial Illumination™ (Reflex Technology™)
Aiming Beam	green 515 nm, adjustable intensity

COMMON FEATURES SPECIFICATION

Repetition Rate	Up to 4 Hertz
Magnification	Optimized for enhanced anterior segment visualization
Cooling	Fan 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, vitreolysis laser lens, SLT laser lens, capsulotomy and iridectomy laser lenses, footswitch, five-position magnification changer, beam splitter, "C" mount camera adapter, video camera adapter, co-observation tube

Specifications are subject to change without notice



Tango Reflex™ has a CE Mark (Conformité Européenne) and is registered with US Food and Drug Administration (FDA) for the indications of Posterior Membranectomy, Capsulotomy, Laser Iridotomy and Selective Laser Trabeculoplasty (SLT). © 2021 Ellex

Tango Reflex™ has a CE Mark (Conformité Européenne) for the indication of Laser Vitreolysis.

Laser Vitreolysis is not a cleared indication in US. Only intended for non-US based customers.

BIBLIOGRAPHY

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- (2) based on system performance testing
- (3) Gazzard G, Konstantakopoulou E, Garway-Heath D, et al. Selective laser trabeculoplasty versus eye drops for first-line treatment of ocular hypertension and glaucoma (LiGHT): a multicentre randomised controlled trial. Lancet. 2019, Mar 9;393(10180):1505-16.
- (4) Typical - based on system performance testing
- (5) 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



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