

tango™

groundbreaking SLT and YAG
modes from a single system



Tango™ provides selective laser trabeculoplasty (SLT) and YAG capabilities in a single, advanced laser system – allowing you to instantly switch between SLT and YAG modes at the touch of a button for optimal treatment flexibility and better patient results.



The world's fastest SLT/YAG laser

Featuring a patented, proprietary dual-mode laser cavity, Tango™ combines a full-featured SLT laser with a precise, powerful YAG laser for performing iridotomy – helping you to better manage both OAG and ACG. And with the industry's fastest firing rate at 3 shots per second (3 Hz), Tango™ allows you to perform quick and highly accurate SLT and YAG procedures.

Tango in SLT Mode

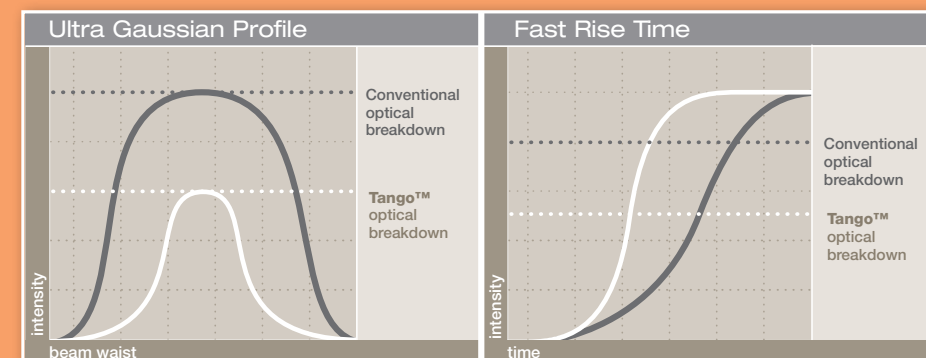
SLT is a highly effective approach for first-line glaucoma treatments, adjunct therapy with drugs, and alternative therapy when drugs or surgery fail. It is also a flexible treatment option, because it can be repeated, if necessary, depending on the individual patient's response. SLT uses short pulses 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. Tango's SLT mode delivers a gentle, non-invasive approach for stimulating the generation of healthy trabecular meshwork cells and managing intraocular pressure without the burn and scar tissue associated with other laser procedures.

Tango in YAG Mode

Tango's YAG mode features an Ultra Gaussian spot profile and fast rise time which enable you to perform capsulotomies and iridotomies at lower, more efficient energy levels — delivering less energy to the eye and allowing you to perform capsulotomies with all types

of intraocular lenses (IOLs) with significantly less risk of lens pitting. This ultra-low energy optical breakdown (in air) of approximately 1.8 mJ in optimal conditions is compared to conventional YAG lasers that typically achieve optical breakdown (in air) at 3 to 4 mJ.



1 Optimized for Anterior Segment Viewing

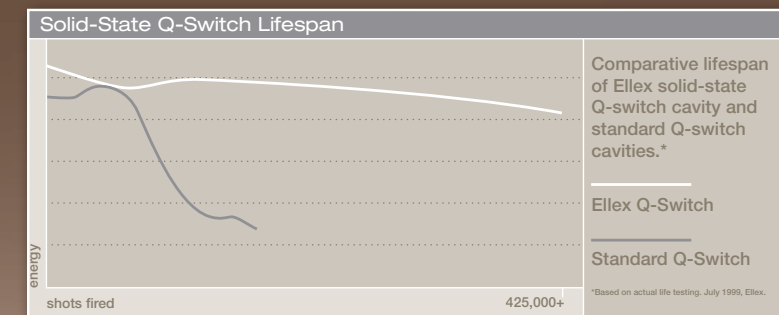
The quality and design of Tango's slit lamp optics are optimized for anterior segment viewing. Featuring Galilean converging optics with a 16° stereoscopic angle, Tango™ provides a more natural stereoscopic view combined with a shallow depth of field for precision focusing.

2 IOL-Friendly Photodisruption

In YAG mode, Tango's state-of-the-art YAG laser technology provides you with more consistent optical breakdown, which is ideal for meeting new challenges in posterior capsulotomy procedures. You and your patients will benefit from a lower risk of lens pitting, more efficient tissue cutting with fewer shots, delivery of less cumulative energy, and faster procedures.

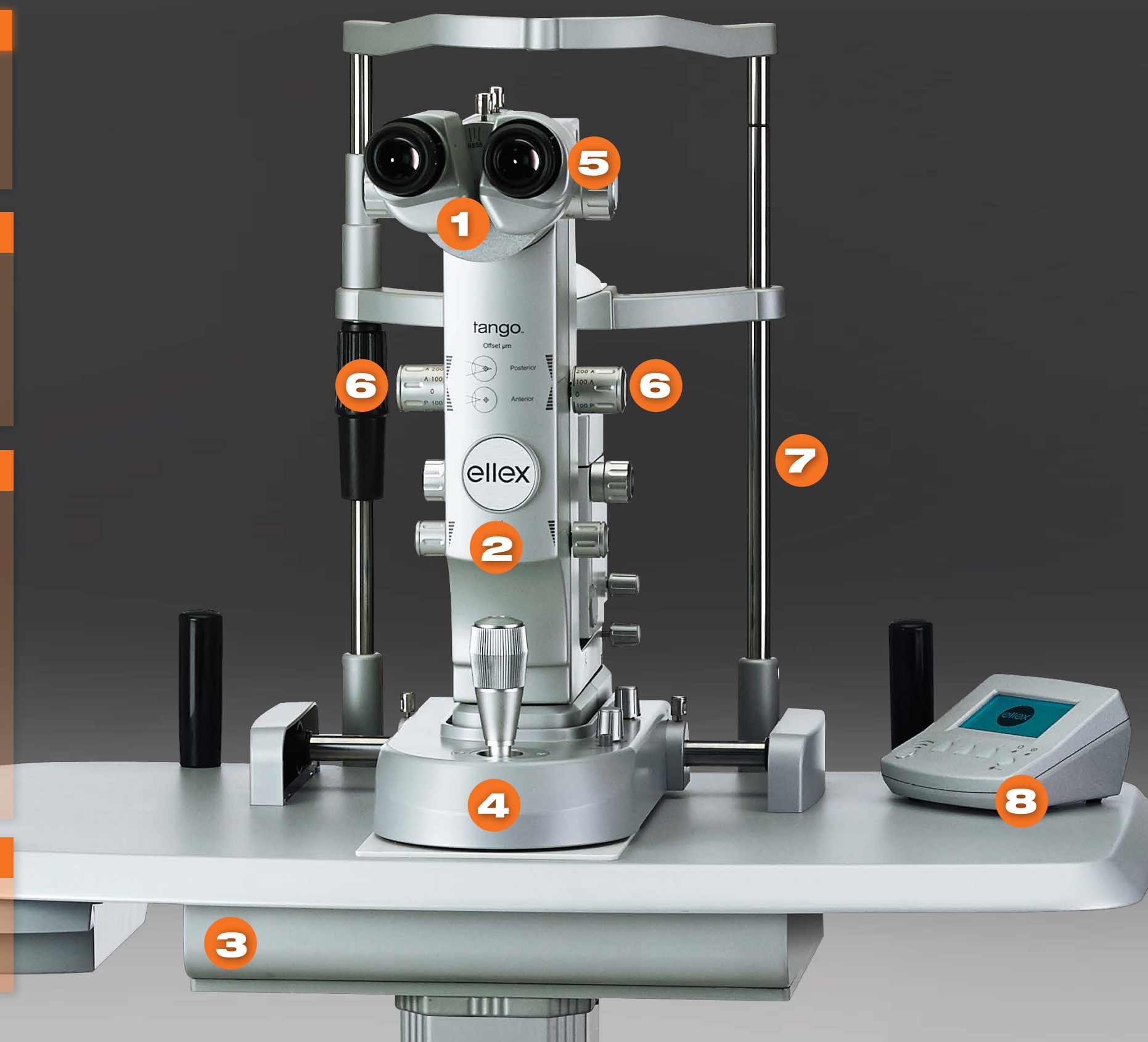
3 Better Performance Over the Long-Term

Tango's solid-state Q-switch, which is made from the industry's finest components, is life-tested to deliver over 400,000 shots without any significant reduction in energy performance or beam quality.



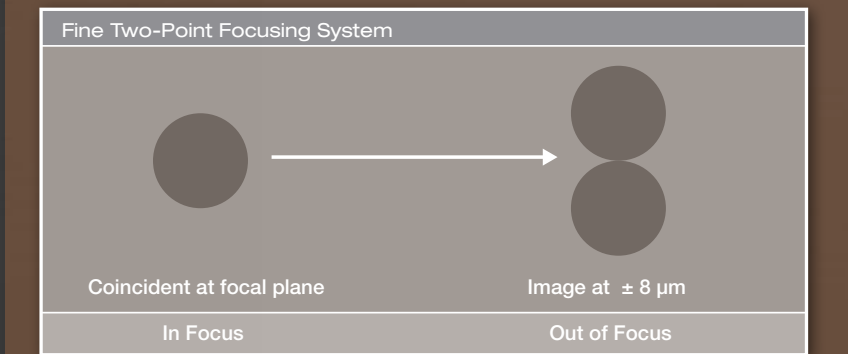
4 Faster Treatment

Tango™ features the fastest repetition rate in the industry at 3 shots per second (3 Hz), which allows you to perform both YAG and SLT procedures quickly and accurately, even on challenging patients.



5 Pinpoint Precision

With a tolerance range of $\pm 8 \mu\text{m}$, Tango's fine, two-point focusing system in YAG mode makes it easy for you to ensure that the system is always in focus, and that energy is delivered where you intend in relation to your target.



6 Accurately Position Optical Breakdown

In YAG mode, a continuously variable anterior and posterior offset control adjustment (from 0 to $\pm 500 \mu\text{m}$ in both directions) provides optimum flexibility for all procedures.

7 Designed to Maximize Your Workflow

Ellex has integrated the laser and slit lamp for greater efficiency and reliability, as well as for improved ease of use. Tango's compact, efficient design provides you with additional working space and convenient, simultaneous access to the patient and laser controls.

8 Greater Efficiency at the Touch of a Button

Designed to make procedures as efficient as possible, Tango™ incorporates a proprietary dual-mode laser cavity design - allowing you to instantly switch between SLT and photodisruptor modes at the touch of a button.



One Powerful Vision

Accessories

Total Solution™ Tables (standard accessory)

Ellex Total Solution™ tables are designed to meet the needs of any environment. With the added benefit of comfort, flexibility and an optimized patient-surgeon interface, the Total Solution™ range of tables meets the alignment needs of even your most challenging patients.

- Wheelchair accessible, mobile
- Wheelchair accessible
- Mobile



Indications for Use

Glaucoma **Selective Laser Trabeculoplasty
Laser Iridotomy**

Cataract **Capsulotomy**

Diagnose and Treat with the Best

Ellex is dedicated to advancing the role of ophthalmic technology through a line of premium laser and diagnostic ultrasound systems. With more than 20,000 systems installed worldwide, Ellex is known for its superior quality and commitment to customer care.

Product Specifications

	SLT	YAG
Laser Source	Q-switched, frequency doubled Nd:YAG	Q-switched Nd:YAG
Wavelength	green: 532 nm	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 to ± 500 µm, continuously variable
common to both		
Repetition Rate	up to 3 Hertz	
Aiming Beam	red 635 nm, adjustable intensity	
Magnification	10x, 16x, 28x	
Cooling	air cooled	
Electrical Requirements	100–240 VAC, 50/60 Hz, 500 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	remote display, safety glasses, laser safety sign, dust cover	
Optional Accessories	Total Solution™ tables, tonometer mount, SLT laser lens, capsulotomy and iridectomy laser lenses, footswitch, five-position magnification changer, beam splitter, 35 mm camera adapter, video camera adapter, co-observation tube	

Specifications are subject to change without notice.

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