

# tango<sup>TM</sup> neo

YAG/SLT  
LASER

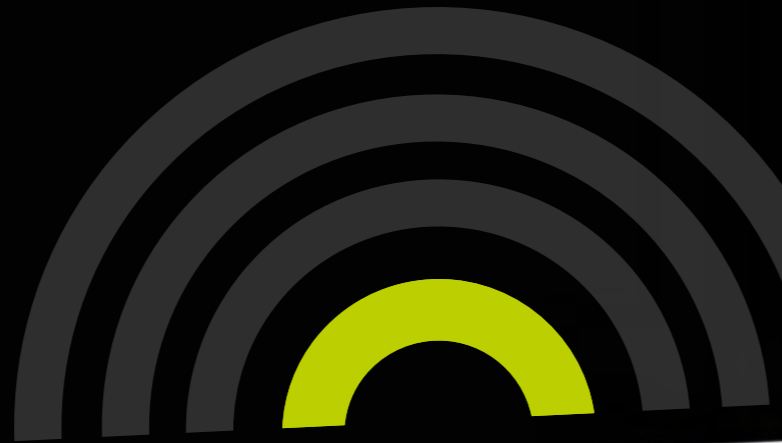


 **ellex**<sup>®</sup>  
BY LUMBIRD MEDICAL

Setting the Standard of Care

**TANGO™ NEO – QUALITY LASER ENGINEERING IN THE HANDS OF THE OPHTHALMOLOGIST**

Choose **Tango™ Neo** 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.**



■ **PRECISION**

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



■ **INTUITIVE USER INTERFACE**

10.1 inch capacitive touchscreen tablet to **efficiently switch** between **SLT and YAG modes**

**SLT** Optimized Ellex pioneered SLT technology

- 400  $\mu\text{m}$  single spot size
- 3 nanosecond pulse duration
- Fully titratable energy control - delivering more with less

**Nd:YAG** Lower, more efficient energy levels

- Rapid repetition rate up to 3 shots per second
- Single, double or triple pulse
- Precise and powerful Nd:YAG beam output profile with very low optical breakdown in air of 1.8 mJ\*
- Wide ranging YAG Posterior Offset
- Incremental energy selection

■ **ILLUMINATION**

With exceptional illumination & pristine optical view of the anterior segment



# THREE KEY TREATMENT MODALITIES

## 1 SELECTIVE LASER TRABECULOPLASTY

Clinically proven as a first line therapy for Primary Open Angle Glaucoma and ocular hypertension<sup>1</sup>

- Eradicates compliance issues with medication<sup>2</sup>
- An efficacious and REPEATABLE treatment option
- EGS, NICE Recommended first line therapy<sup>3,4</sup>

Tango™ Neo features Ellex's proprietary SLT technology – with superior energy control, and an homogenous 400 µm diameter aiming beam clearly traversing a large portion of the full width of the Trabecular Meshwork.

## LIGHT STUDY IN FIGURES<sup>1</sup>

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

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

**>74.2%** OF SLT PATIENTS REACHED TARGET IOP AND WERE DROP-FREE AT 36 MONTHS.



More information about SLT: [www.glaucoma-laser-assisted-solutions.com](http://www.glaucoma-laser-assisted-solutions.com)

# SLT GLAUCOMA TREATMENT

## Nd:YAG

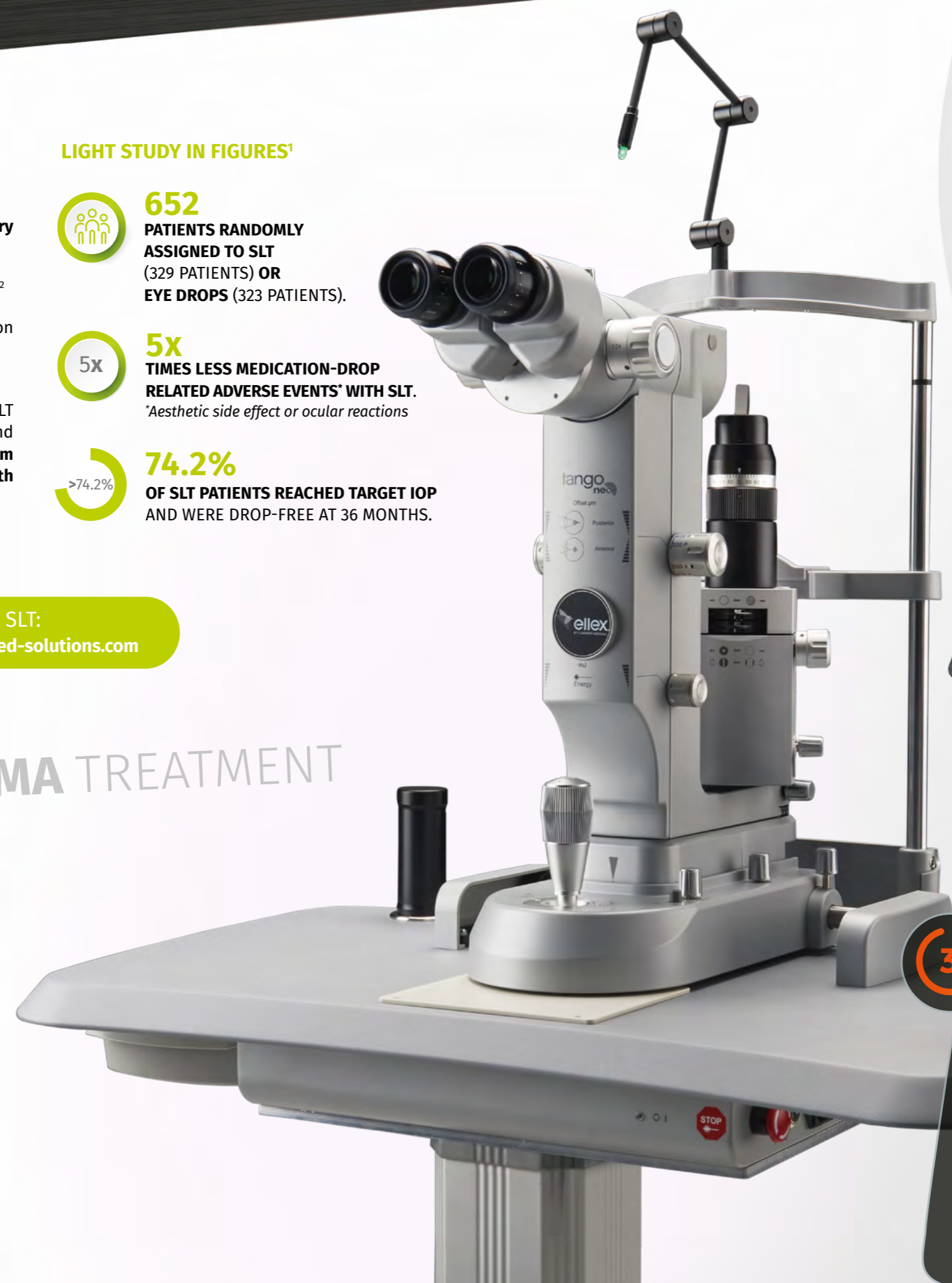


## 2 LASER PERIPHERAL IRIDOTOMY

For the YAG treatment of angle closure glaucoma, Tango™ Neo with burst mode provides double or triple laser impact for most efficient creation of a laser peripheral iridotomy within an iris crypt.

Full thickness penetrating treatments or staged therapy following initial thinning with a photocoagulating laser for thicker irides.

CONSISTENTLY DELIVERING EXCELLENT CLINICAL RESULTS TO PATIENTS ACROSS THE ENTIRE GLOBE



## 3 YAG POSTERIOR CAPSULOTOMY

Tango™ Neo's Nd:YAG mode features an Ultra Gaussian laser beam profile with rapid rise time providing a stable and efficient laser energy output, pulse after pulse.

This efficient laser formation produces Tango™ Neo's very low Nd:YAG optical breakdown resulting in superior clinical performance at lower energy levels.

A wide ranging YAG posterior offset of up to 500 µm displacing the laser treatment beam proximity to IOL.

## TECHNICAL SPECIFICATIONS

### SLT MODE

Laser Source	Q-switched, frequency doubled Nd:YAG
Wavelength	532 nm
Energy	0.3 to 2.6 mJ per pulse, continuously variable
Pulse Width	3 ns
Burst Mode	Single pulse only
Spot Size	400 µm
Aiming Beam	Red 635 nm, adjustable intensity

### YAG MODE

Laser Source	Q-switched Nd:YAG
Wavelength	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, -500 to +500 µm
Aiming Beam	Red 635 nm adjustable intensity

### COMMON FEATURES SPECIFICATION

Repetition Rate	Up to 3 Hertz
Magnification	Optimized for enhanced anterior segment visualization
Illumination	Halogen
Cooling	Air cooled
User Interface	Capacitive 10.1" touch screen tablet
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™ table, safety glasses, laser safety sign, dust cover
Optional Accessories	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

*Specifications are subject to change without notice.  
Non contractual pictures.*

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### BIBLIOGRAPHY

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