

tango[®] neo

YAG/SLT
LASER



 **LUMIBIRD[®]**
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 μm 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 low optical breakdown in air of 1.8 mJ^5
- 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 hypertension¹

- Eradicates compliance issues with medication²
- An efficacious and REPEATABLE treatment option
- EGS, NICE Recommended first line therapy^{3,4}

Tango® Neo features Lumibird Medical'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 FIGURES¹

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

SLT Nd:YAG GLAUCOMA TREATMENT



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.

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.



CONSISTENTLY DELIVERING EXCELLENT CLINICAL RESULTS TO PATIENTS ACROSS THE ENTIRE GLOBE

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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- (4) European Glaucoma Society Terminology and Guidelines for Glaucoma, 5th Edition. *Br J Ophthalmol*. 2021 Jun;105(Suppl 1):1-169. doi: 10.1136/bjophthalmol-2021-egsguidelines. PMID: 34675001.
- (5) Average performance only. Based on system performance testing (Data on file).



LASER CLASS 3B Nd:YAG; 1064nm, 55mJ Max, 4ns pulse & Nd:YAG 532nm, 6mJ Max, 3ns pulse
LASER CLASS 2 Diode Laser; 635nm, <1mW Max CW
WARNING - VISIBLE AND INVISIBLE LASER RADIATION - AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT per IEC 60825-1:2014

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