



# 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.



# **■ INTUITIVE USER** INTERFACE

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



- 400 µm single spot size
- 3 nanosecond pulse duration
- Fully titratable energy control delivering more with less

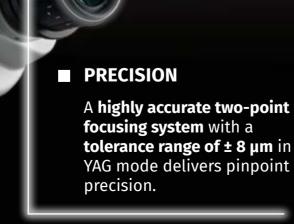
# Nd:YAG Lower, more efficient energy levels

- 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<sup>5</sup>
- Wide ranging YAG Posterior Offset
- Incremental energy selection

# ILLUMINATION

With exceptional illumination & pristine optical view of the anterior segment







# THREE KEY TREATMENT MODALITIES



# 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® Neofeatures 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 FIGURES**<sup>1</sup>



652
PATIENTS RANDOMLY
ASSIGNED TO SLT
(329 PATIENTS) OR

EYE DROPS (323 PATIENTS).



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









# 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.





## **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 efficent 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  $\mu m$ 

Aiming Beam Red 635 nm adjustable intensity

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

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#### 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

Weight

Dimensions (HxWxD)

Standard Accessories

Optional Accessories

31 kg, 68 lbs (laser only) 57 x 75 x 44 cm, 23 x 30 x 18 inches (laser only)

Total Solution table, safety glasses, laser

100-240 VAC, 50/60 Hz, 800 VA

safety sign, dust cover

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

### BIBLIOGRAPHY

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- (2) Reardon G, Kotak S, Objective assessment of compliance and persistence among patients treated for glaucoma and ocular hypertension: a systematic review. Epub 2011 Sep 23. PMID: 22003282; PMCID: PMC3191921.
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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).



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