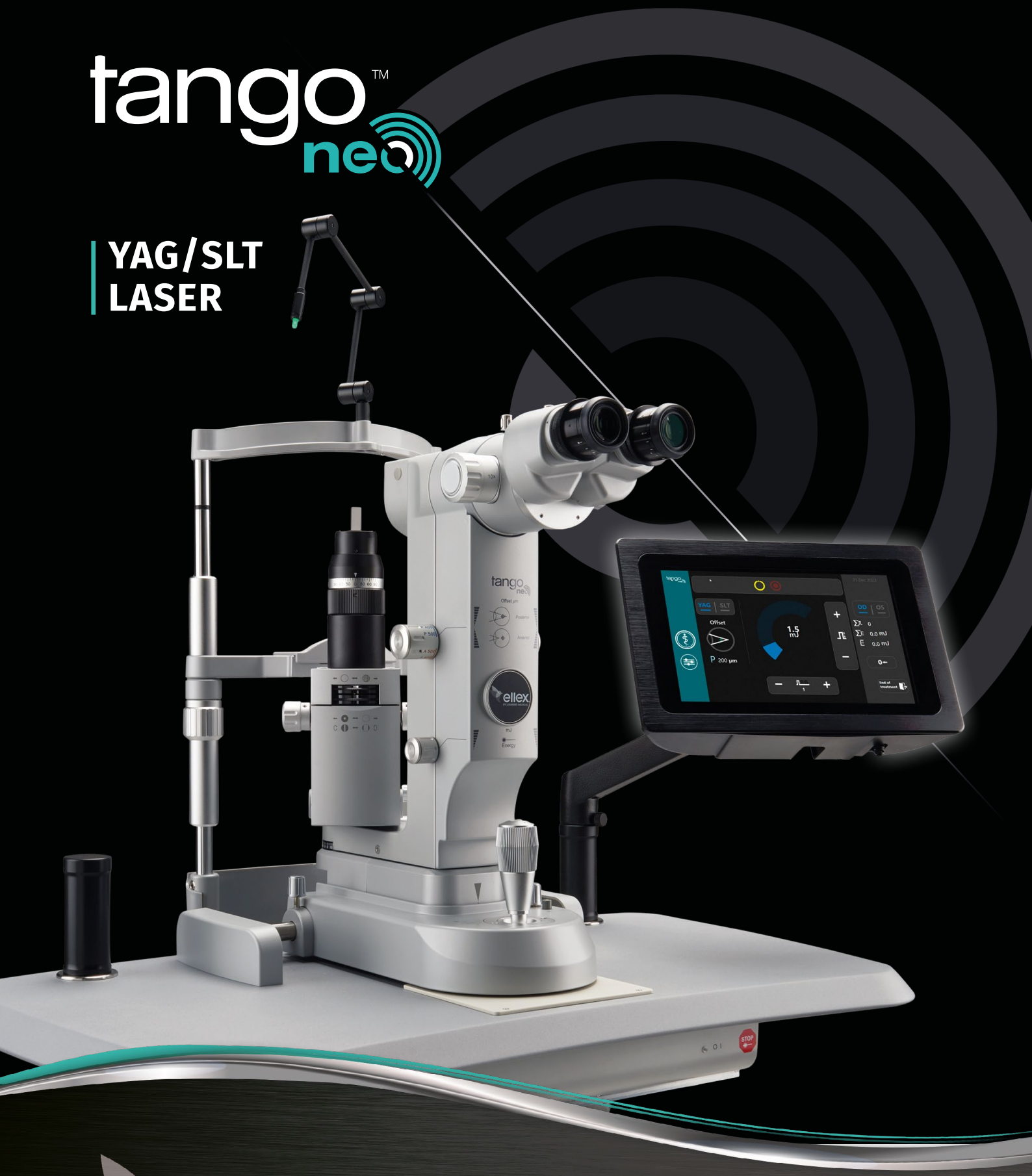
tango™ neo

YAG/SLT LASER



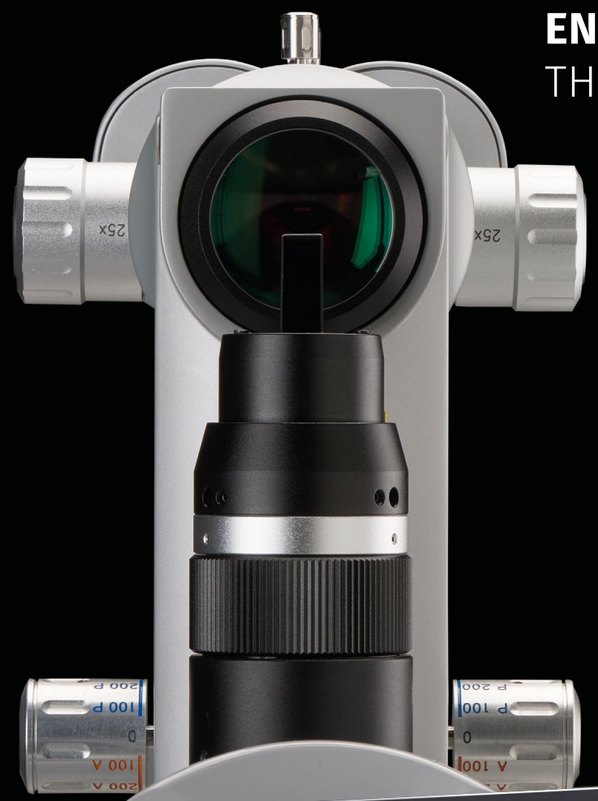
LUMIBIRD® MEDICAL

Setting the Standard of Care

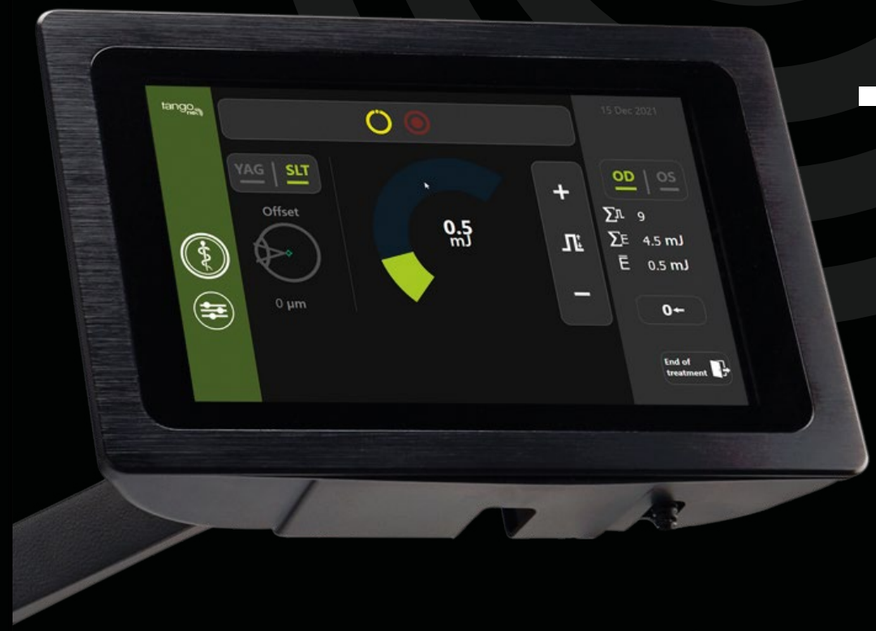
tango™ neo

ELLEX, A BRAND OF LUMIBIRD MEDICAL

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

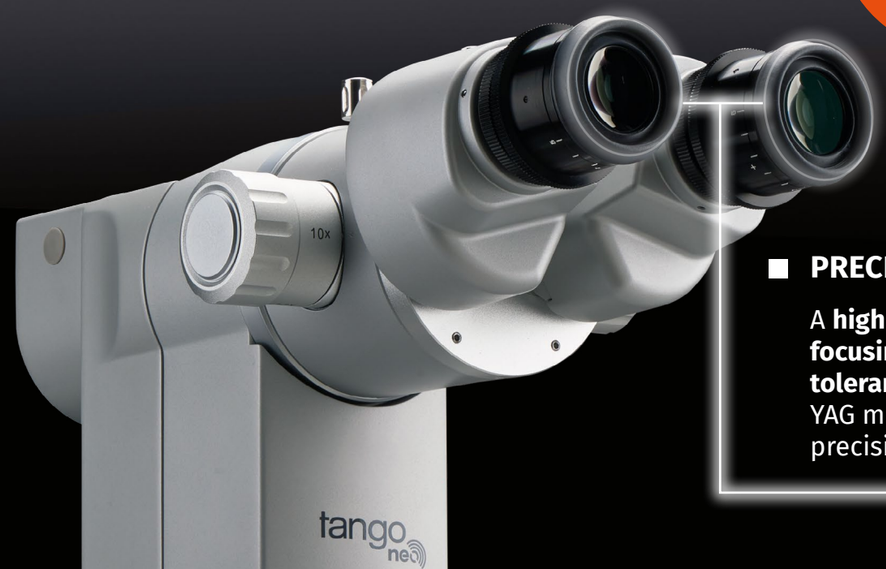
10.1 inch capacitive touchscreen tablet to **efficiently switch** between **SLT** and **YAG mode**s

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 very low optical breakdown in air of 1.8 mJ*
- Wide ranging YAG Posterior Offset
- Incremental energy selection

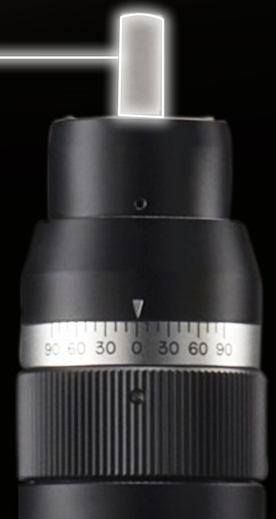


■ PRECISION

A **highly accurate two-point focusing system** with a **tolerance range of ± 8 µm** in YAG mode delivers pinpoint precision.

■ 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**[1]

- **Eradicates compliance issues** with medication[2]
- 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 FIGURES[1]

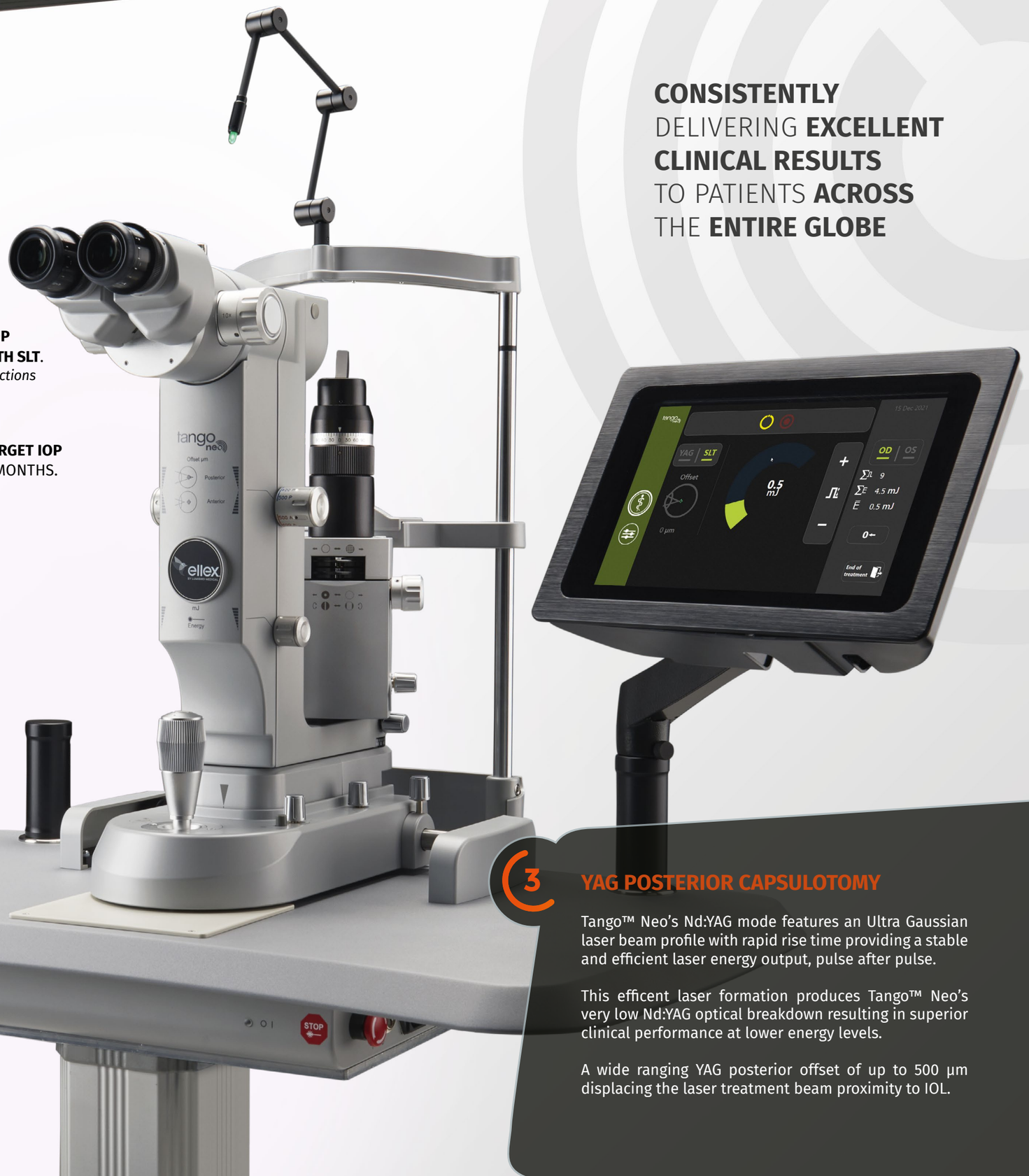
652
PATIENTS RANDOMLY ASSIGNED TO SLT (329 PATIENTS) **OR EYE DROPS** (323 PATIENTS).

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

CONSISTENTLY DELIVERING **EXCELLENT CLINICAL RESULTS** TO PATIENTS **ACROSS** THE **ENTIRE GLOBE**



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 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.

tango™ neo

TECHNICAL SPECIFICATIONS

SLT MODE

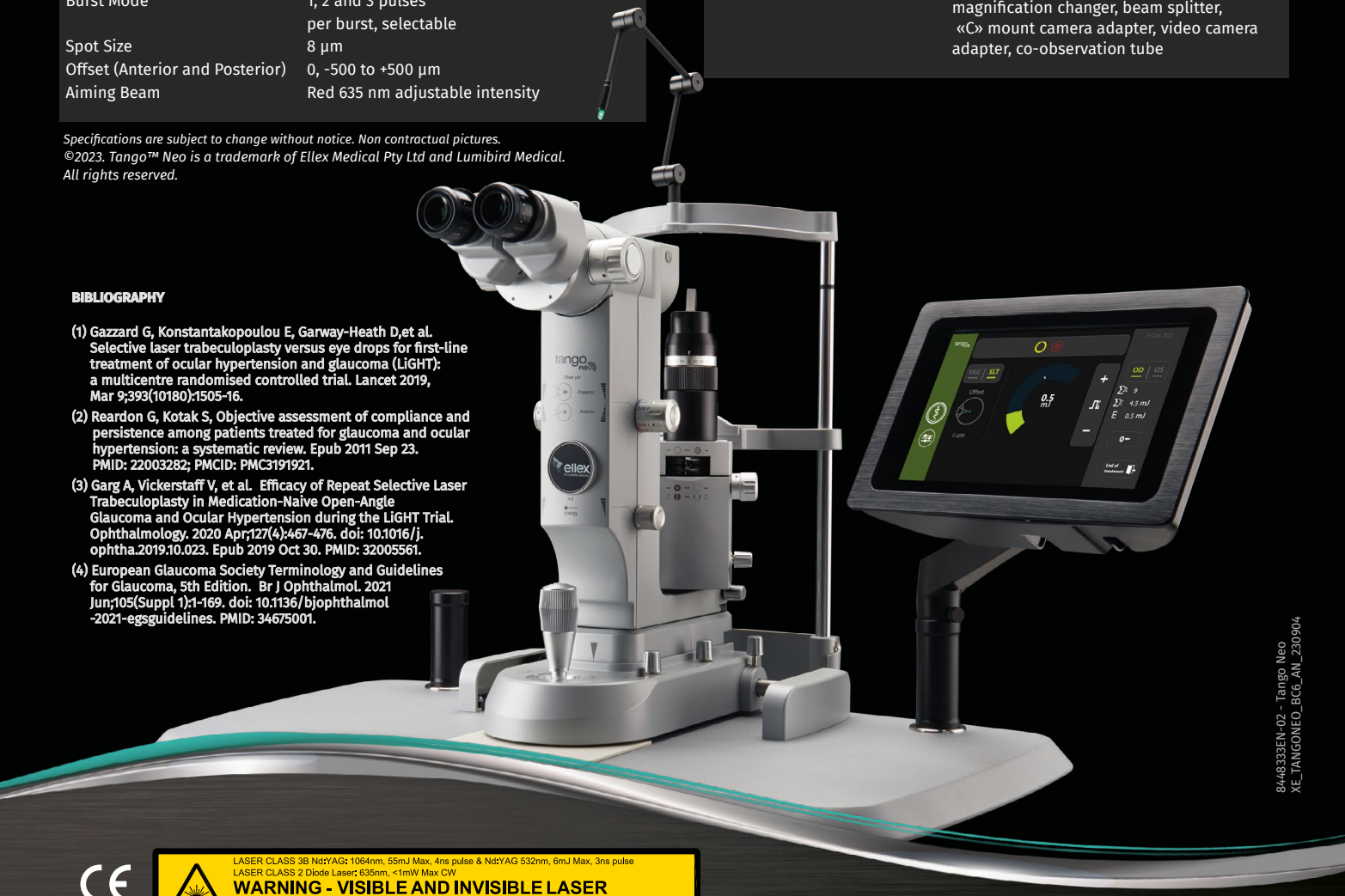
Laser Source	Q-switched, frequency doubled Nd:YAG
Wavelength	532 nm
Energy	0.3 to 2.6 mJ per pulse, continuously variable
Pulse Width	3 ns
Burst Mode	Single pulse only
Spot Size	400 µm
Aiming Beam	Red 635 nm, adjustable intensity

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



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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.

(3) Garg A, Vickerstaff V, et al. Efficacy of Repeat Selective Laser Trabeculoplasty in Medication-Naive Open-Angle Glaucoma and Ocular Hypertension during the LiGHT Trial. Ophthalmology. 2020 Apr;127(4):467-476. doi: 10.1016/j.ophtha.2019.10.023. Epub 2019 Oct 30. PMID: 32005561.

(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.

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CE 0805

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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