Tango™ combines our proprietary SLT technology with a precise YAG laser designed to perform capsulotomy procedures at ultra-low energy levels.
Tango™ combines our proprietary SLT technology with a precise YAG laser designed to perform capsulotomy procedures at ultra-low energy levels.

**Product Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>SLT</th>
<th>YAG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Laser Source</strong></td>
<td>Q-switched, frequency doubled Nd:YAG</td>
<td>Q-switched Nd:YAG</td>
</tr>
<tr>
<td><strong>Wavelength</strong></td>
<td>green: 532 nm</td>
<td>1064 nm</td>
</tr>
<tr>
<td><strong>Energy</strong></td>
<td>0.3 to 2.6 mJ, per pulse, continuously variable</td>
<td>0.3 to 10 mJ, per pulse, continuously variable</td>
</tr>
<tr>
<td><strong>Pulse Width</strong></td>
<td>3 ns</td>
<td>4 ns</td>
</tr>
<tr>
<td><strong>Burst Mode</strong></td>
<td>single pulse only</td>
<td>1, 2 and 3 pulses per burst, selectable</td>
</tr>
<tr>
<td><strong>Spot Size</strong></td>
<td>400 µm</td>
<td>8 µm</td>
</tr>
<tr>
<td><strong>Cone Angle</strong></td>
<td>&lt;3 degrees</td>
<td>16 degrees</td>
</tr>
<tr>
<td><strong>Offset</strong></td>
<td>not applicable</td>
<td>0 to ± 500 µm, continuously variable</td>
</tr>
<tr>
<td><strong>Repetition Rate</strong></td>
<td>up to 3 Hertz</td>
<td></td>
</tr>
<tr>
<td><strong>Aiming Beam</strong></td>
<td>red 635 nm, adjustable intensity</td>
<td></td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td>air cooled</td>
<td></td>
</tr>
<tr>
<td><strong>Electrical Requirements</strong></td>
<td>100–240 V AC, 50/60 Hz, 800 VA</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>31 kg, 68 lbs (laser only)</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions (HxWxD)</strong></td>
<td>57 x 75 x 44 cm, 23 x 30 x 18 inches (laser only)</td>
<td></td>
</tr>
</tbody>
</table>

**Standard Accessories**

- Total Solution™ tables, remote display, safety glasses, laser safety sign, dust cover
- Total Solution™ Tables

**Indications for Use**

- Glaucoma
  - Selective Laser Trabeculoplasty
- Laser Iridotomy
- Cataract
  - Capsulotomy

**Specifications**

Specifications are subject to change without notice.

© 2016, Ellex Medical Pty Ltd. Ellex, Tango, Total Solution are trademarks of Ellex Medical Pty Ltd. E&OE. International patents pending and/or granted. PB0006I.

**LASER CLASS 3B / IIIb Nd: YAG 1064nm, 55mJ Max, 4 ns pulse  Nd: YAG 532nm, 6mJ Max, 3 ns pulse  LASER CLASS 2 / II Diode Laser: 635nm, <1mW Max CW VISIBLE & INVISIBLE LASER RADIATION – AVOID DIRECT EXPOSURE TO BEAM CLASS 3B LASER PRODUCT per IEC 60825-1:2007, CLASS IIIb LASER PRODUCT per 21 CFR 1040.0805
Tango in SLT Mode

SLT is a highly effective approach for treating glaucoma in patients where drugs, and alternative therapy when drops or surgery fail. It is also a realistic treatment option, which can be explained if necessary, depending on the condition. Patients respond to SLT with short pulses of low-energy light to target the retina in specific areas of the affected eye. In response, the body’s natural healing mechanisms rebuild the cells, improving drainage and lowering intraocular pressure. The surrounding, non-pigmented cells—under the retina—are untouched and unaltered. Tango™ features an extra-efficient way to gently minimize damage to the retina, ensuring the generation of healthy intraretinal neurons cells and managing intraretinal pressure without the burn and scar tissue associated with other laser procedures.

Tango in YAG Mode

Tango’s YAG mode features an Ultra Gaussian Profile Fast Rise Time beam waist that typically achieves optical breakdown (in air) of approximately 1.8 mJ in less than 3 shots per second (3 Hz). This ultra-low energy optical breakdown (in air) of approximately 1.8 mJ at optimal conditions is compared to conventional YAG lasers that typically achieve optical breakdown (in air) at 3 to 4 mJ.

Improving Precision

In YAG mode, Tango’s state-of-the-art YAG laser technology provides you with more consistent energy optical breakdown, which is ideal for meeting new challenges in posterior capsulotomy procedures. With significantly less risk of lens pitting, more efficient tissue cutting with fewer shots, delivery of less cumulative energy, and faster procedures.

Tango’s SLT mode delivers a gentle, non-invasive approach that provides you with more consistent optical breakdown, which is ideal for meeting new challenges in posterior capsulotomy procedures. With significantly less risk of lens pitting, more efficient tissue cutting with fewer shots, delivery of less cumulative energy, and faster procedures.

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.
Tango in SLT Mode

SLT is a highly effective approach for first-time glaucoma treatments, adjunct therapy with drugs, and alternative therapy when drugs or surgery fail. It is also a feasible treatment option, because it can be stopped if necessary, depending on the advanced 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, unpigmented cells— as well as the rest of the eye structure—are untouched and unchanged. Tango's SLT mode features a gentle, nanosecond pulse width, which enables the generation of healthy intraocular lens biomaterial and breaks down tissue with significantly less risk of lens pitting. This ultra-low energy optical breakdown (in air) at 3 to 4 mJ. that typically achieve optical breakdown (in air) of approximately 1.8 mJ in conventional laser therapy procedures. This ultra-low energy optical breakdown causes the least damage to the rest of the eye structure— are untouched and unchanged.

In SLT mode, Tango's state-of-the-art YAG laser technology provides you with more consistent treatment outcomes, which is ideal for meeting new challenges in posterior capsulotomy procedures. With a lower risk of lens pitting, more efficient tissue cutting with fewer shots, delivery of less cumulative energy, and faster procedures.

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

Tango in YAG Mode

Tango’s YAG mode features an Ultra Gaussian spot profile and fast rise time, which enable you to perform capasulotomies with all types of intraocular lenses (IOLs) with significantly less risk of lens pitting. This ultra-low energy optical breakdown (in air) of approximately 19 mJ at optimal conditions is compared to conventional YAG lasers that typically achieve optical breakdown (in air) at 3 to 6 mJ.

Tango’s ultra-Gaussian laser beam waist time intensity and optical breakdown threshold are unexcelled, which provides a more natural elementary view combined with a narrower depth of field for precision focusing. Tango in YAG mode makes it easy for you to ensure that your system is always in focus, and that energy is delivered where you intend it in relation to your target.

Tango’s SLT/YAG Combination Laser

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. Tango™ also incorporates a proprietary dual-mode laser cavity design— allowing you to instantly switch between SLT and photodisruption modes at the touch of a button.

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 425,000 shots without any significant reduction in energy performance or beam quality.

Faster Treatment

Tango™ incorporates a proprietary dual-mode laser cavity design— allowing you to instantly switch between SLT and photodisruption modes at the touch of a button. This allows for stimulating the generation of healthy trabecular meshwork cells— as well as the rest of the eye structure— are untouched and unchanged.

Pinpoint Precision

With a tolerance range of ± 8 µm, Tango’s fine, two-point focusing system in YAG mode makes it easy for you to ensure that your system is always in focus, and that energy is delivered where you intend it in relation to your target.

Accurate Position Optical Breakdown

In YAG mode, a continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.

Designed to Make Procedures as Efficient as Possible

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.

Designed to Maximize Your Workflow

With an access to the patient and laser controls.

Accurately Position Optical Breakdown

In YAG mode, an continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.

Faster Treatment

Tango™ incorporates a proprietary dual-mode laser cavity design— allowing you to instantly switch between SLT and photodisruption modes at the touch of a button.

Pinpoint Precision

With a tolerance range of ± 8 µm, Tango’s fine, two-point focusing system in YAG mode makes it easy for you to ensure that your system is always in focus, and that energy is delivered where you intend it in relation to your target.

Accurate Position Optical Breakdown

In YAG mode, a continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.

Designed to Make Procedures as Efficient as Possible

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.

Designed to Maximize Your Workflow

With an access to the patient and laser controls.

Accurately Position Optical Breakdown

In YAG mode, an continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.

Faster Treatment

Tango™ incorporates a proprietary dual-mode laser cavity design— allowing you to instantly switch between SLT and photodisruption modes at the touch of a button.

Pinpoint Precision

With a tolerance range of ± 8 µm, Tango’s fine, two-point focusing system in YAG mode makes it easy for you to ensure that your system is always in focus, and that energy is delivered where you intend it in relation to your target.

Accurate Position Optical Breakdown

In YAG mode, a continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.

Designed to Make Procedures as Efficient as Possible

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.

Designed to Maximize Your Workflow

With an access to the patient and laser controls.

Accurately Position Optical Breakdown

In YAG mode, a continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.

Faster Treatment

Tango™ incorporates a proprietary dual-mode laser cavity design— allowing you to instantly switch between SLT and photodisruption modes at the touch of a button.

Pinpoint Precision

With a tolerance range of ± 8 µm, Tango’s fine, two-point focusing system in YAG mode makes it easy for you to ensure that your system is always in focus, and that energy is delivered where you intend it in relation to your target.

Accurate Position Optical Breakdown

In YAG mode, a continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.

Designed to Make Procedures as Efficient as Possible

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.

Designed to Maximize Your Workflow

With an access to the patient and laser controls.

Accurately Position Optical Breakdown

In YAG mode, a continuously variable anterior and posterior offset control adjustment (Pos2) in the X and Y directions provides optimum flexibility for all procedures.
Tango™ combines our proprietary SLT technology with a precise YAG laser designed to perform capsulotomy procedures at ultra-low energy levels.

**Product Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SLT</th>
<th>YAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Source</td>
<td>Q-switched, frequency doubled Nd:YAG</td>
<td>Q-switched Nd:YAG</td>
</tr>
<tr>
<td>Wavelength</td>
<td>green: 532 nm</td>
<td>1064 nm</td>
</tr>
<tr>
<td>Energy</td>
<td>0.3 to 2.6 mJ, per pulse</td>
<td>0.3 to 10 mJ, per pulse, continuously variable</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>3 ns</td>
<td>4 ns</td>
</tr>
<tr>
<td>Beam Mode</td>
<td>single pulse only</td>
<td>1, 2, and 3 pulses per burst, selectable</td>
</tr>
<tr>
<td>Spot Size</td>
<td>400 µm</td>
<td>8 µm</td>
</tr>
<tr>
<td>Cone Angle</td>
<td>&lt;3 degrees</td>
<td>16 degrees</td>
</tr>
<tr>
<td>Offset</td>
<td>not applicable</td>
<td>0 to ± 500 µm, continuously variable</td>
</tr>
<tr>
<td>Repetition Rate</td>
<td>up to 3 Hertz</td>
<td></td>
</tr>
<tr>
<td>Aiming Beam</td>
<td>red 635 nm, adjustable intensity</td>
<td></td>
</tr>
<tr>
<td>Magnification</td>
<td>10x, 16x, 25x</td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td>air cooled</td>
<td></td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>100–240 V AC, 50/60 Hz, 800 VA</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>31 kg, 68 lbs (laser only)</td>
<td></td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>57 x 75 x 44 cm, 23 x 30 x 18 inches (laser only)</td>
<td></td>
</tr>
</tbody>
</table>

**Standard Accessories**

- Total Solution™ tables
- Remote display
- Safety glasses
- Laser safety sign
- Dust cover

**Optional Accessories**

- 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.

© 2016, Ellex Medical Pty Ltd. Ellex, Tango, Total Solution are trademarks of Ellex Medical Pty Ltd. E&OE. International patents pending and/or granted. PB0006I.

**LASER CLASS 3B / IIIb Nd: YAG 1064nm, 55mJ Max, 4 ns pulse**  
**Nd: YAG 532nm, 6mJ Max, 3 ns pulse**  
**LASER CLASS 2 / II  Diode Laser: 635nm, <1mW Max CW**  
**VISIBLE & INVISIBLE LASER RADIATION – AVOID DIRECT EXPOSURE TO BEAM**  
**CLASS 3B LASER PRODUCT per IEC 60825-1:2007, CLASS IIIb LASER PRODUCT per 21 CFR 1040.0805**

**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. 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.