selective laser trabeculoplasty (SLT) for glaucoma

Product Specifications
- **Laser Source**: Q-switched, frequency doubled Nd:YAG
- **Wavelength**: green: 532 nm
- **Energy**: 0.3 to 2.6 mJ, single pulse, continuously variable
- **Pulse Width**: 3 ns
- **Spot Size**: 400 µm
- **Repetition Rate**: up to 3 hertz
- **Aiming Beam**: red 635 nm, adjustable intensity
- **Magnification**: 10x, 16x, 28x
- **Cooling**: air cooled
- **Electrical Requirements**: 100–240 VAC, 50/60 Hz, 500 VA
- **Weight**: 30 kg, 66 lbs (laser only)
- **Dimensions (HxWxD)**: 57 x 92 x 44 cm, 23 x 36 x 18 inches (laser only)
- **Standard Accessories**: remote control, safety glasses, laser safety sign, dust cover
- **Optional Accessories**: Total Solution™ tables, tonometer mount, SLT laser lens, footswitch, five-position magnification changer, beam splitter, 35 mm camera adapter, video camera adapter, co-observation tube

Specifications are subject to change without notice.

© 2012, Ellex Medical Pty Ltd. Ellex, Solo, Total Solution are trademarks of Ellex Medical Pty Ltd, Ellex. International patents pending and/or granted. PB0007F.

LASER CLASS 3B / IIIb Nd: YAG 532nm, 6mJ Max, 3 ns pulse
LASER CLASS 2 / II  Diode Laser: 635nm, <1mW Max CW
LASER RADIATION – AVOID DIRECT EXPOSURE TO BEAM

Ellex is dedicated to advancing the role of ophthalmic technology through a line of premium laser and diagnostic ultrasound systems. With more than 16,000 systems installed worldwide, Ellex is known for its superior quality and commitment to customer care.

SLT is a highly effective approach for first-line glaucoma treatments, adjunct therapy with drugs, and alternative therapy when drugs or surgery fail. It is also a flexible treatment option, because it can be repeated, if necessary, depending on the individual 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, non-pigmented cells – as well as the rest of the eye structure – are untouched and undamaged.

The Solo™ delivers a gentle, non-invasive approach for stimulating the generation of healthy trabecular meshwork cells and managing intraocular pressure without the burn and scar tissue associated with other laser procedures.

1. Optimized for Anterior Segment Viewing

The quality and design of the Solo’s slit lamp optics are optimized for anterior segment viewing. Featuring Galilean converging optics with a 16° stereoscopic angle, the Solo™ provides a more natural stereoscopic view combined with a shallow depth of field for precision focusing.

2. Designed to Maximize Your Workflow

Ellex has integrated the laser and slit lamp for greater efficiency and reliability, as well as for improved ease of use. The Solo’s compact, efficient design provides you with additional working space and convenient, simultaneous access to the patient and laser controls.

3. Faster Treatment

The Solo™ features the fastest repetition rate in the industry at 3 hertz, which allows you to perform quick SLT treatment, even on challenging patients.

4. Precise, Accurate Treatment

The Ellex Solo™ features a high level of precision, in which parameter settings can be adjusted at 0.1 mJ increments (0.3 to 2.0 mJ). This capability, coupled with superior energy control and the fastest repetition rate in the industry at 3 hertz, enables the delivery of quick and highly accurate SLT treatment. All SLT treatment parameters are designed to industry-recognized treatment protocols, maximizing treatment options and ensuring effective patient results by enabling you to tailor treatment to the individual patient’s response.
selective laser trabeculoplasty (SLT) for glaucoma

Designed specifically for selective laser trabeculoplasty (SLT), the Solo™ allows you to perform quick and highly accurate glaucoma laser treatment customized to each individual patient’s response.

Indications for use

Glaucoma  Selective Laser Trabeculoplasty

Diagnose and Treat with the Best

Ellex is dedicated to advancing the role of ophthalmic technology through a line of premium laser and diagnostic ultrasound systems. With more than 16,000 systems installed worldwide, Ellex is known for its superior quality and commitment to customer care.

Product Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser Source</td>
<td>Q-switched, frequency doubled Nd:YAG</td>
</tr>
<tr>
<td>Wavelength</td>
<td>green: 532 nm</td>
</tr>
<tr>
<td>Energy</td>
<td>0.3 to 2.6 mJ, single pulse, continuously variable</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>3 ns</td>
</tr>
<tr>
<td>Spot Size</td>
<td>400 µm</td>
</tr>
<tr>
<td>Repetition Rate</td>
<td>up to 3 hertz</td>
</tr>
<tr>
<td>Aiming Beam</td>
<td>red 635 nm, adjustable intensity</td>
</tr>
<tr>
<td>Magnification</td>
<td>10x, 16x, 28x</td>
</tr>
<tr>
<td>Cooling</td>
<td>air cooled</td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>100–240 VAC, 50/60 Hz, 500 VA</td>
</tr>
<tr>
<td>Weight</td>
<td>30 kg, 66 lbs (laser only)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>57 x 92 x 44 cm, 23 x 36 x 18 inches (laser only)</td>
</tr>
<tr>
<td>Standard Accessories</td>
<td>remote control, safety glasses, laser safety sign, dust cover</td>
</tr>
<tr>
<td>Optional Accessories</td>
<td>Total Solution™ tables, tonometer mount, SLT laser lens, footswitch, five-position magnification changer, beam splitter, 35 mm camera adapter, video camera adapter, co-observation tube</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.

© 2012, Ellex Medical Pty Ltd. Ellex, Solo, Total Solution are trademarks of Ellex Medical Pty Ltd. ELX01. International patents pending and/or granted. PBR06017.

Lasers are classified according to their level of laser radiation and potential harm. See specific label on your device.

LASER CLASS 3B / IIIb Nd: YAG 532nm, 6mJ Max, 3 ns pulse
LASER CLASS 2 / II  Diode Laser: 635nm, <1mW Max CW
LASER RADIATION – AVOID DIRECT EXPOSURE TO BEAM classes of laser product per IEC 60825-1:2001, CLASS IIIb LASER PRODUCT per 21 CFR 1040.0805