**OptoSLT nano**

**Preserve vision in record time**

The OptoSLT nano has been designed with ease of use in mind. Its advanced color display is easy to understand and navigate, giving the physician total confidence at all times.

**Personalized device activation**

**FOR COMPLETE SAFETY**

The laser device is protected with a secure personalized activation system, preventing unauthorized usage. All users must enter a 3-digit electronic key code to activate the device.

**Innovative docking station platform**

**TO MEET THE NEEDS OF THE USER**

An innovative design allows the user to easily switch between the therapeutic and diagnostic modes of the device.

**Mobile and portable**

**FOR ULTIMATE CONVENIENCE AND PRACTICALITY**

The OptoSLT nano has a sleek compact design for maximum user convenience. Ophthalmologists can pack the laser device into a small suitcase and transport it to another operating room or hospital with maximum ease and minimal fuss.

---

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laser source</td>
<td>Q-switched frequency doubled Nd:YAG solid state laser</td>
</tr>
<tr>
<td>Wavelength</td>
<td>532 nm</td>
</tr>
<tr>
<td>Pulse Energy</td>
<td>0.2 – 2.0 mJ, 0.1 mJ steps</td>
</tr>
<tr>
<td>Spot Size</td>
<td>400 µm</td>
</tr>
<tr>
<td>Pulse Duration</td>
<td>1 ns</td>
</tr>
<tr>
<td>Pulse Mode</td>
<td>Single pulse</td>
</tr>
<tr>
<td>Max-repetition Rate</td>
<td>5 Hz</td>
</tr>
<tr>
<td>Cooling System</td>
<td>Water cooled</td>
</tr>
<tr>
<td>Electrical Requirements</td>
<td>100/240 V; 50-60 Hz</td>
</tr>
<tr>
<td>Dynamic Range of Energy</td>
<td>500 – 5,000 µJ</td>
</tr>
<tr>
<td>Weight</td>
<td>5.4 kg (laser head and docking station)</td>
</tr>
<tr>
<td>Slit lamp</td>
<td>Haag Streit - type slit lamp</td>
</tr>
<tr>
<td>Dimensions (H x W x L)</td>
<td>29 x 17 x 18 cm (laser head and docking station)</td>
</tr>
<tr>
<td>Weight</td>
<td>5.4 kg (laser head and docking station)</td>
</tr>
<tr>
<td>Standard accessories</td>
<td>Safety eyewear, elbow rest support, dust cover</td>
</tr>
<tr>
<td>Optional accessories</td>
<td>Optotek OEM slit lamp, motorized lifting mechanism, footswich, five-position magnification changer, gonioscopic SLT lens</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.
Selective Laser Trabeculoplasty (SLT) is an advanced, non-invasive, primary or secondary treatment for raised intraocular pressure (POAG in glaucoma). A laser short laser pulse with a specific wavelength to selectively target pigmented trabecular meshwork cells, which is a way of selectively damaging the trabecular meshwork cells of the eye. Standard SLT utilizes a low-energy laser with a short pulse duration of 3-5 ns. This type of laser pulse stimulates removal of damaged cells by macrophages and increases trabecular network porosity to restore effective aqueous outflow through the drainage angle. This results in the reduction of IOP to non-pathologic levels.

The OptoSLT nano offers a shorter-than-standard laser pulse duration of just 1 ns, with advanced technology in the form of a more stable and efficient solid-state diode-pumped laser technology, thus offering a quicker and safer SLT treatment option.

### OptoSLT nano — THE FIRST 1ns SLT DEVICE ON THE MARKET

OptoSLT nano is an advanced, non-invasive, primary or secondary treatment for raised intraocular pressure (POAG in glaucoma). A laser short laser pulse with a specific wavelength to selectively target pigmented trabecular meshwork cells, which is a way of selectively damaging the trabecular meshwork cells of the eye. Standard SLT utilizes a low-energy laser with a short pulse duration of 3-5 ns. This type of laser pulse stimulates removal of damaged cells by macrophages and increases trabecular network porosity to restore effective aqueous outflow through the drainage angle. This results in the reduction of IOP to non-pathologic levels.

The OptoSLT nano offers a shorter-than-standard laser pulse duration of just 1 ns, with advanced technology in the form of a more stable and efficient solid-state diode-pumped laser technology, thus offering a quicker and safer SLT treatment option.

### THE FIRST DIODE PUMPED SOLID STATE LASER DEVICE ON THE MARKET FOR SLT

The OptoSLT nano is a new laser technology that is superior to existing SLT devices on the market. It offers very high pulse to pulse stability (±2.5%). By reducing laser pulse duration to 1 ns without compromising efficacy outcomes, this new technology permits faster (up to 5 Hz) and safer SLT procedures (improved pulse energy repeatability during SLT).

With a compact, highly portable design, the OptoSLT nano is an ideal addition to every doctor’s practice. The device’s energy levels range from 0.2 to 2.0 mJ and its red diode 635 nm aiming beam ensures precise focusing for highly predictive and effective treatment each and every time.

### DIODE-PUMPED SOLID STATE LASER SOURCE

FOR MAXIMUM EFFICIENCY AND SAFETY

1. The OptoSLT nano offers a diode-pumped solid state laser source that offers greater compactness and efficiency than the flash lamp-pumped solid state laser source used in classic SLT devices currently available on the market. The compact and miniaturized solid state laser used in the OptoSLT nano offers additional safety and reliability benefits.

### PPS™ — Pulse to Pulse Stability

FOR BETTER ENERGY STABILITY AND FASTER SLT TREATMENT

2. The new device utilizes PPS™ technology to achieve a very high pulse to pulse stability of ±2.5%, which exceeds that of other existing laser technologies. This technology permits faster SLT procedures (up to 5 Hz) that are even safer compared to current technology on the market (due to improved pulse energy repeatability during SLT treatment).

### KEY FEATURES

- **Pulses**: Laser Pulse Energy
- **Flash lamp pumped technology**
- **Diode pumped technology**

### Multifunctional with slit lamp compatibility

USE AS COMPLETE DEVICE OR TO UPGRADE EXISTING SLT LAMP

3. The OptoSLT nano has been designed with a sophisticated dual set-up. This allows seamless incorporation into any practice as a complete stand-alone device or lifting mechanism and slit lamp or added as an upgrade to most Haag Streit-type slit lamps on the market.
**OptoSLT nano – THE FIRST 1ns SLT DEVICE ON THE MARKET**

Selective Laser Trabeculoplasty (SLT) is an advanced, non-invasive, primary or secondary treatment for raised intraocular pressure (IOP) in glaucoma. It uses short laser pulses of a specific wavelength to selectively target pigmented trabecular meshwork cells to induce a therapeutic effect.

**The OptoSLT nano features**
- A diode-pumped solid state laser source that offers greater compactness and efficiency than the flash lamp-pumped solid state laser source used in classic SLT devices currently available on the market.
- The compact and miniaturized solid state laser used in the OptoSLT nano offers additional safety and reliability benefits.

**PPS™ – Pulse to Pulse Stability**

The new device utilizes PPS™ technology to achieve a very high pulse to pulse stability of ±2.5%, which exceeds that of other existing laser technologies. This technology permits faster SLT procedures (up to 5 Hz) that are even safer compared to current technology on the market (due to improved pulse energy repeatability during SLT treatment).

**OptoSLT nano features**
- A shorter-than-standard laser pulse duration of just 1 ns, with advanced technology in the form of a more stable and efficient solid-state diode-pumped laser technology, thus offering a quicker and safer SLT treatment option.

**THE FIRST DIODE PUMPED SOLID STATE LASER DEVICE ON THE MARKET FOR SLT**

The OptoSLT nano is a new laser technology that is superior to existing SLT devices on the market. It offers very high pulse to pulse stability (±2.5%). By reducing laser pulse duration to 1 ns without compromising efficacy outcomes, this new technology permits safer (up to 5 Hz) and quicker SLT procedures (improved pulse energy repeatability during SLT).

With a compact, highly portable design, the OptoSLT nano is an ideal addition to every doctor’s practice. The device’s energy levels range from 0.2 to 2.0 mJ and its red diode 635 nm aiming beam ensures precise focusing for highly predictive and effective treatment each and every time.

**Multifunctional with slit lamp compatibility**

**Use as complete device or to upgrade existing SLT lamp**

The OptoSLT nano has been designed with a sophisticated dual set up. The device can be seamlessly incorporated into any practice as a complete standalone device with lifting mechanism and slit lamp or added as an upgrade to most Haag Streit type slit lamps on the market.
Diode-pumped solid state laser source
FOR MAXIMUM EFFICIENCY AND SAFETY

The OptoSLT nano features a diode-pumped solid state laser source that offers greater compactness and efficiency than the flash lamp-pumped solid state laser source used in classic SLT devices currently available on the market. The compact and miniaturized solid state laser used in the OptoSLT nano offers additional safety and reliability benefits.

PPS™ - Pulse to Pulse Stability
FOR BETTER ENERGY STABILITY AND FASTER SLT TREATMENT

The new device utilizes PPS™ technology to achieve a very high pulse to pulse stability of ±2.5%, which exceeds that of other existing laser technologies. This technology permits faster SLT procedures (up to 5 Hz) that are even safer compared to current technology on the market (due to improved pulse energy repeatability during SLT treatment).

Multifunctional with slit lamp compatibility
USE AS COMPLETE DEVICE OR TO UPGRADE EXISTING SLIT LAMP

The OptoSLT nano has been designed with a sophisticated dual set up. This allows seamless incorporation into any practice as a complete stand-alone device with lifting mechanism and slit lamp or added as an upgrade to most Haag Streit type slit lamps on the market.
The OptoSLT nano has been designed with ease of use in mind. Its advanced color display is easy to understand and navigate, giving the physician total confidence at all times.

Its advanced color display is easy to understand and navigate, giving the physician total confidence at all times.

The laser device is protected with a secure personalized activation system, preventing unauthorized usage. All users must enter a 3-digit electronic key code to activate the device.

An innovative design allows the user to easily switch between the therapeutic and diagnostic modes of the device.

The OptoSLT nano has a sleek, compact design for maximum user convenience. Ophthalmologists can pack the laser device into a small suitcase and transport it to another operating room or hospital with maximum ease and minimal fuss.

Specifications are subject to change without notice.

TECHNICAL SPECIFICATIONS

- Laser source: Q-switched frequency-doubled Nd:YAG solid state laser
- Wavelength: 532 nm
- Pulse Energy: 0.2 – 2.0 mJ at 0.1 mJ steps
- Pulse Duration: 1 ns
- Pulse Mode: Single pulse
- Max. repetition Rate: 5 Hz
- Cooling system: Water-cooled
- Electrical Requirements: 100/240 V; 50-60 Hz
- Dimensions: 29 x 17 x 18 cm (laser head and docking station)
- Weight: 5.4 kg (laser head and docking station)
- Slit lamp: Compatible with most Haag Streit type slit lamps (for compatibility contact Optotek representative). Optotek OEM slit lamp provided upon request.
- Standard accessories: Safety eyewear, elbow rest support, dust cover
- Optional accessories: Optotek OEM Haag Streit type slit lamp, motorized lifting mechanism, footswitch, five-position magnification changer, gonioscopic SLT lens.

FOR COMPLETE SAFETY

FOR ULTIMATE CONVENIENCE AND PRACTICALITY

FOR EASE OF USE

PERSONALIZED DEVICE ACTIVATION

INNOVATIVE DOLING STATION PLATFORM

MOBILE AND PORTABLE
OptoSLT nano has been designed with ease of use in mind. Its advanced color display is easy to understand and navigate, giving the physician total confidence at all times.

The OptoSLT nano is protected with a secure personalized activation system, preventing unauthorized usage. All users must enter a 3-digit electronic key code to activate the device.

An innovative design allows the user to easily switch between the therapeutic and diagnostic modes of the device.

The OptoSLT nano has a sleek, compact design for maximum user convenience. Ophthalmologists can pack the laser device into a small suitcase and transport it to another operating room or hospital with maximum ease and minimal fuss.

Specifications are subject to change without notice.

**OptoSLT nano**

**TECHNICAL SPECIFICATIONS**

- **Laser source**: Q-switched frequency doubled Nd:YAG solid state laser
- **Wavelength**: 532 nm
- **Pulse Energy**: 0.2 – 2.0 mJ (0.1 mJ steps)
- **Pulse Duration**: 1 ns
- **Pulse Mode**: Single pulse
- **Max. repetition Rate**: 5 Hz
- **Aiming Beam**: Red diode 635 nm
- **Electrical Requirements**: 100/240 V; 50-60 Hz
- **Dimensions (H x W x L)**: 29 x 17 x 18 cm (laser head and docking station)
- **Weight**: 5.4 kg (laser head and docking station)
- **Slit lamp**: Compatible with most Haag Streit type slit lamps (for compatibility contact Optotek representative). Optotek OEM slit lamp provided upon request.
- **Standard accessories**: Safety eyewear, elbow rest support, dust cover
- **Optional accessories**: Optotek OEM Haag Streit type slit lamp, motorized lifting mechanism, footswitch, five-position magnification changer, gonioscopic SLT lens

TECHNICAL SPECIFICATIONS