With many years of experience in ophthalmic lasers, Optotek has a clear vision of its mission – to deliver the innovative tools and solutions to the ophthalmologists worldwide. Designing and manufacturing User-friendly, Safe, Effective, and Reliable products is a key element of Optotek’s corporate philosophy.

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>LASER</th>
<th>Laser Source: Q-switched Nd:YAG</th>
<th>Wavelength: 1064 nm</th>
<th>Energy: 0.5 to 10 mJ per pulse in 30 steps</th>
<th>Spot Size: &lt; 1 μm</th>
<th>Pulse Rate: Up to 3 Hz</th>
<th>Burst Mode: 1, 2, and 3 pulses</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIR</td>
<td>Air convection cooling</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLIT LAMP</td>
<td>e-SlitLight™</td>
<td>Illumination Source: White LED</td>
<td>Magnification: 10x, 16x, 25x (6x, 10x, 16x, 25x, 40x optionally)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TABLE</td>
<td>Central mounted</td>
<td>Dimensions: 600 x 480 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SYSTEM DIMENSIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>YAG Laser Dimensions</td>
<td>125 x 257 x 68 mm</td>
<td>Total System Height: 650 mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td></td>
<td>Total Net Weight: 21 kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELECTRICAL REQUIREMENTS</td>
<td>Power Supply: 100 - 240 V, 50 - 60 Hz, 1.1 A MAX</td>
<td></td>
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<tr>
<td>ACCESSORIES</td>
<td>Motorized lifting mechanism, Rod holder, Elbow support, Beam splitter with co-observation tube, Warning light, Magnification changer 5x</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice.

Optotek d.o.o.
Tehnološki park 21, 1000 Ljubljana, Slovenia
T: +386 1 620 46 00, F: +386 1 620 46 01, E: optotek@optotek.si
clear vision

OptoYag M

The OptoYag M utilizes a combination of latest innovations in Nd:YAG laser technology and highly efficient e-SlitLight™ LED slit lamp. Compact design, 30 energy levels in the range of 0.5 – 10 mJ, dual red aiming beam allowing precise focus of the treatment beam, and built-in safety features guarantee the impeccable performance of the laser system.

The OptoYag M is therefore a system of choice for fast, effective and safe capsulotomy and iridotomy procedures.

FES™ - Fine Energy Setting FOR UNMATCHED PRECISION

Advanced technical solutions and sophisticated electronics incorporated into the OptoYag M allow for a precise adjustment of energy in order to match the specific needs of the therapy or the patient. Fine energy setting buttons are conveniently located just next to a joystick, offering a physician easy and accurate adaptation of energy to the patient’s eye response. This means the physician has 30 energy levels to choose from – unique feature making OptoYag M a top class in photodisruption.

PPS™ - Pulse to Pulse Stability FOR ADVANCED SAFETY

Optotek has spent extra time and effort to ensure highest reliability and safety of the system. The OptoYAG M incorporates a PPS™ technology for delivering stable output energy far exceeding current industry standards. Enhanced accuracy and stability of energy provide the highest degree of safety and assure effective and efficient eye treatments.

e-SlitLight™ HIGH POWER LED ILLUMINATION SYSTEM

Tired of replacing slit lamp bulb? Want to have a brighter light? The e-SlitLight™ LED slit lamp offers thousands of hours of bright white light originating from the solid state LED light source. The LED illumination enhances color, detail and contrast and therefore significantly improves imaging. Additionally, its minimal heat emission makes the treatment comfortable even for dry eye patients.

Stream of Technologies FOR SUPERIOR EFFECTIVENESS

Optotek has listened very carefully to those who use photodisruptor on a daily basis, paying special attention to YAG laser effectiveness. The OptoYag M is a synergy of optimized focusing optics, high accuracy and precision of the aiming beam system; and clean and stable Gaussian laser beam profile. Having excellent photodisruptor capability, the OptoYag enables best treatment results using lower energy and fewer shots.

Treatment at 3 Hz FOR HIGHER PERFORMANCE

The OptoYag M with newly designed laser cavity and optimized system configuration features repetition rate of 3 Hz. Faster treatment shifts physician’s productivity and patient’s comfort to a completely new level.

Easy to move System

Convenient portable design allows ophthalmologists to change location with ease. Housing electronics box underneath the table, the system can be moved freely to another workstation and therefore instantly ready for use.
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Output energy
conventional laser technology
PPS technology
Pulse

1
2
3
4
5

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**clear vision**

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**TECHNICAL SPECIFICATIONS**

**LASER**
- Laser Source: Q-switched Nd:YAG
- Wavelength: 1064 nm
- Energy: 0.5 to 10 mJ per pulse in 30 steps
- Spot Size: < 10 μm
- Cone Angle: 16°
- Offset: Selectable: -150 μm anterior; 0; 150, 300 μm posterior
- Burst Mode: 1, 2, and 3 pulses
- Pulse Duration: 4 ns (typical)
- Pulse Rate: Up to 3 Hz
- Burst Mode: 1, 2, and 3 pulses
- Aiming Beam: Red, dual diode, 650 nm; continuously adjustable intensity
- Laser Trigger: Joystick (footswitch optionally)
- Cooling System: Air convection

**SLIT LAMP**
- Illumination Source: White LED
- Magnification: 10x, 16x, 25x (6x, 10x, 16x, 25x, 40x optionally)
- Table: Central mounted
- Dimensions: 480 x 480 mm

**SLIT LAMP**
- Magnification: 100x, 200x, 400x
- Table: Central mounted
- Dimensions: 600 x 480 mm

**SYSTEM DIMENSIONS**
- YAG Laser Dimensions: 125 x 257 x 68 mm
- Total System Height: 650 mm

**WEIGHT**
- Total Net Weight: 21 kg

**ELECTRICAL REQUIREMENTS**
- Power Supply: 100 - 240 V, 50 - 60 Hz, 1.1 A MAX

**ACCESSORIES**
- Optional Accessories: Motorized lifting mechanism, Bracket, Elbow support, Beam splitter with co-observation tube, Warning light, Magnification changer (5x)

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OptoYag M

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</tr>
<tr>
<td>Spot Size</td>
<td>&lt; 1 μm</td>
</tr>
<tr>
<td>Output</td>
<td>Selectable: 150 μm anterior; 150, 300 μm posterior</td>
</tr>
<tr>
<td>Burst Mode</td>
<td>1, 2 and 3 pulses</td>
</tr>
<tr>
<td>Airflow</td>
<td>0.3 m³/min</td>
</tr>
<tr>
<td>Airflow (Anstalt)</td>
<td>0.3 m³/min continuous adjustable intensity of 0.3 m³/min anterior</td>
</tr>
<tr>
<td>Laser Trigger</td>
<td>Joystick (footswitch optionally)</td>
</tr>
<tr>
<td>Cooling System</td>
<td>Air convection</td>
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</tbody>
</table>

**SLIT LAMP**

<table>
<thead>
<tr>
<th>Type</th>
<th>e-SlitLight™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination Source</td>
<td>White LED</td>
</tr>
<tr>
<td>Magnification</td>
<td>10x, 15x, 20x, 25x, 30x, 40x, 50x, 60x (optional)</td>
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</table>

**TABLE**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
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</table>

**SYSTEM DIMENSIONS**

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<thead>
<tr>
<th>Laser Dimensions</th>
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</thead>
</table>

**WEIGHT**

| Total Net Weight   | 21 kg                             |

**ELECTRICAL REQUIREMENTS**

| Power Supply       | 100 - 240 V, 50 - 60 Hz, 1.1 A MAX |

**ACCESSORIES**

- Motorized lifting mechanism
- Backlight
- Beam splitter with co-observation tube
- Warning light
- Magnification changer

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