



clear vision

OptoYag M

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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 focusing 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.

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.

1 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.



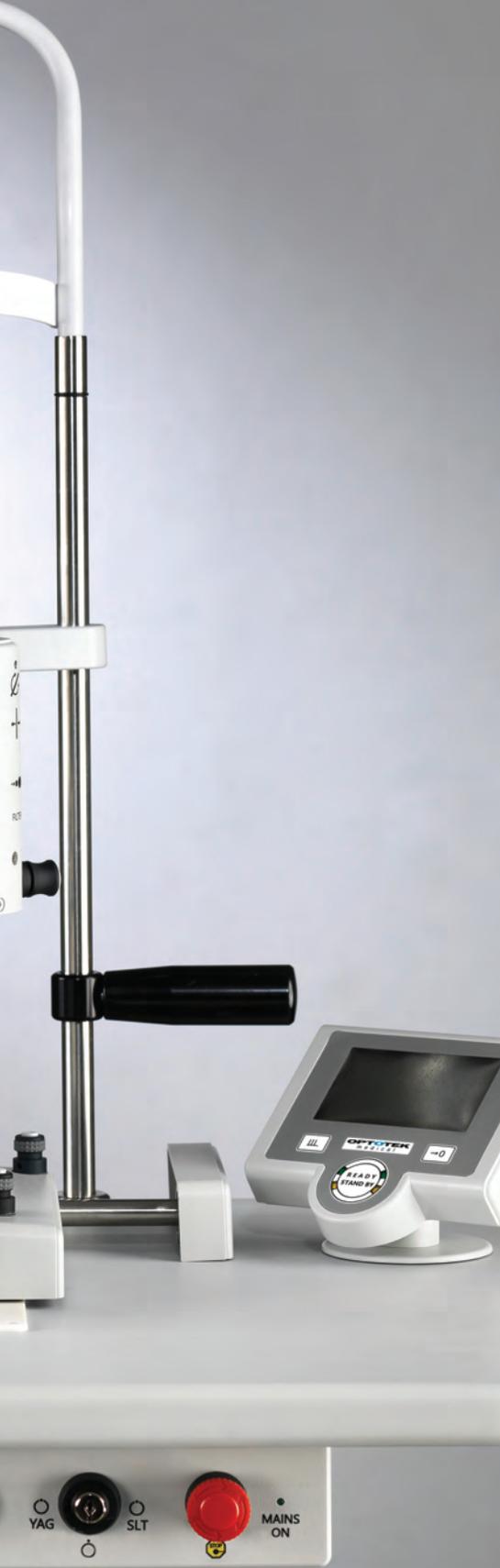
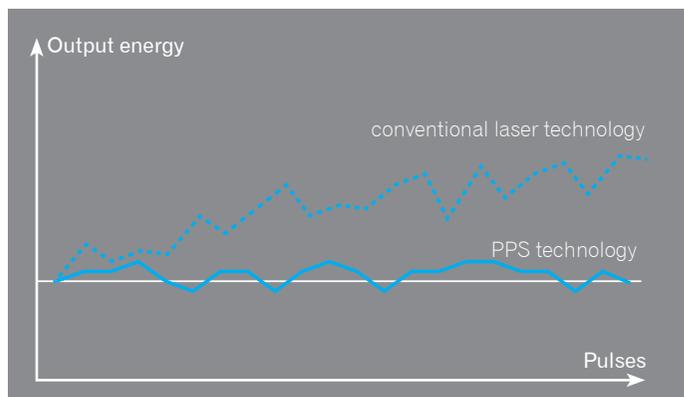
2 FES™ - Fine Energy Setting FOR UNMATCHED PRECISION

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.



3 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.



4 *Treatment at 3 Hz FOR HIGHER PERFORMANCE*

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

5 *Easy-to-move System*

Convenient portable design allows ophthalmologists to change location with ease. Having electronics box underneath the table, the system can be moved freely to another worktop and therefore instantly ready for use.



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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
Pulse Rate	Up to 3 Hz
Burst Mode	1, 2 and 3 pulses
Pulse Duration	4 ns (typical)
Aiming Beam	Red dual diode; 650 nm; continuously adjustable intensity (635, 670 nm optionally)
Laser Trigger	Joystick (footswitch optionally)
Cooling System	Air convection

SLIT LAMP	
Type	e-SlitLight™
Illumination Source	White LED
Magnification	10x, 16x, 25x (6x, 10x, 16x, 25x, 40x optionally)

TABLE	
Type	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, Footswitch, Elbow support, Beam splitter with co-observation tube, Warning light, Magnification changer (5x)

Specifications are subject to change without notice.





OPTOTEK
medical

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.