

# OptoYag&SLT

Technical specifications

## LASER

Laser Source  
Wavelength  
Energy  
Spot Size  
Cone Angle  
Offset  
Pulse Rate  
Burst Mode  
Pulse Duration  
Aiming Beam  
Cooling System  
Laser control

OptoYag  
Q-Switch Nd:YAG  
1064 nm  
0,5 to 10 mJ per pulse; 10 Steps Selectable  
< 10 µm  
16°  
0, +150, +300 µm  
Up to 1,5 Hz  
1, 2 and 3 Pulses  
4 ns  
Red Dual Diode; 650 nm  
Air Convection  
On joystick (trigger button) or optional footswitch

## OptoSLT

Q-Switched frequency doubled Nd:YAG  
532 nm  
0,2 to 2,6 mJ; 11 Steps Selectable  
400 µm ± 10%  
< 3°  
Up to 1 Hz  
1 Pulse  
4 ns  
Red Diode Laser; 650 nm  
Air Convection  
On joystick (trigger button) or optional footswitch

## LASER SLIT ILLUMINATION SYSTEM

Type  
Total Magnification  
TABLE  
UNIT DIMENSIONS  
Base (W x D x H)  
Height of table  
Table top dimensions

OptoYAG or e-SlitLight  
Selectable 3 Positions: 10x, 16x, 25x  
Optional side-mounted with electrical lifting mechanism

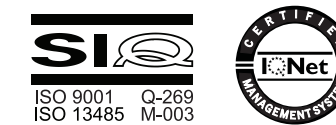
WEIGHT  
OptoYag&SLT  
Table

310 x 310 x 620 mm  
700 - 900 mm  
485 x 795 mm

ELECTRIC RATINGS  
Power Supply

12 kg  
47 kg  
100 - 240 V~, 50 - 60 Hz, 6,4 A MAX

Optotek reserves the right to modify the specification in order to improve the product.



# OPTOTEK medical



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# OptoYag&SLT

clear&preserve vision

Innovative solutions in Ophthalmology

## OPTOTEK medical



# OptoYag&SLT

clear&preserve vision

## YAG laser advantages

- short treatment times
- reduced risk of IOL pitting
- greater patient comfort

## SLT laser advantages

- laser light stimulates the body's own healing response to lower eye pressure
- effective as primary, adjunctive or repeat therapy
- safe, office-based procedure
- reimbursed by most insurance policies

## OptoYag&SLT is a combined unit which includes:

- Q-switched Nd:YAG laser (1064 nm)
- frequency doubled Q-switched Nd:YAG laser (532 nm)

Both lasers are integrated into the e-SlitLight. OptoYag&SLT is a photodisruptor and SLT laser combined into a single piece of equipment. It can be used for Capsulotomy, Iridotomy and Selective Laser Trabeculoplasty treatments.



## LED illumination

Laser system is integrated into the e-SlitLight. e-SlitLight is an ophthalmic slit illumination system with a white LED light source. The LED light source is a solid state light with a life expectancy in the range of thousands of hours. White LED illumination means constant light colour independent of light intensity and lower colour temperature at high contrast. Therefore more details can be seen and better images obtained.

## Ease of use

High level solutions and sophisticated electronics provide owners with an excellent diagnostic tool, photodisruptor and SLT laser.

Located next to the joystick, the fine energy setting buttons, enable the physician to adapt the energy used to the clinical needs and keeping continuously control throughout the treatment.



## Mechanical precision and optical quality

OptoYag&SLT is made with special care. High quality optical and mechanical components are made in-house or in close cooperation with suppliers within the EU.



## Ergonomic design

Alongside precise and smooth mechanisms the OptoYag&SLT is ergonomically designed with special attention paid to ease of use. OptoYag&SLT includes side-mounted table with a motorised lifting mechanism which means it can also be easily used by wheelchair patients.

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