



Nd:YAG LASER

MICRORUPTOR 6



MERIDIAN
OPHTHALMIC LASERS SINCE 1982



MICRORUPTOR 6

Nd:YAG LASER

THE PROFESSIONAL LASER FOR POSTERIOR CAPSULOTOMY, PUPILLARY MEMBRANECTOMY AND IRIDOTOMY

The MICRORUPTOR 6 Nd:YAG laser with triple aiming beam and excellent optics, based on the original CSO slit lamp SL 9800 (Zeiss type) or SL 9900 (Haag-Streit type) with integrated 5 times magnification changer (6,3 x, 10 x, 16 x, 25 x, 40 x). Perfect and precise for superior results and efficiency.

The unique combination with a motorised ergonomic table and easy to understand operating controls ensures the highest convenience for both patient and doctor.

The CSO slit lamp SL 9800 or SL 9900 of the MICRORUPTOR 6 offers full insight into the Retina and thus a thorough peripheral examination. Retinal treatment is possible in combination with the Meridian yellow or green photocoagulators which can be coupled onto the MICRORUPTOR 6 to a complete treatment system.

The unit is space-saving and can be ordered on a base plate which allows handy transportability and use on almost any table.

The durable construction reduces the need for maintenance.

The triple aiming beam allows highly accurate focusing and treatment. This beam can be adjusted easily for brightness. It can even be set in a rotating mode if desired.

The user friendly display shows all necessary laser parameters for safe patient treatment.

The MICRORUPTOR 6 is available in two versions:

- MICRORUPTOR 6 with CSO slit lamp SL 9800 (Zeiss type)
- MICRORUPTOR 6 with CSO slit lamp SL 9900 (Haag-Streit type)

MICRORUPTOR 6 – the Nd:YAG laser for

- Posterior capsulotomy/pupillary membranectomy
- Iridotomy

Combination unit MICRORUPTOR 6 on CSO slit lamp SL 9800 with Merilas 532 α and slit lamp adapter resting on park station





MICRORUPTOR 6 on CSO slit lamp SL 9800



User-friendly and easy to understand laser control panel



Optional Base plate CSO for installation on any medical table

MICRORUPTOR 6

for simple, fast, safe, precise and ergonomic treatment

- Ergonomic design for full patient and doctor access
- Motorised table (various models available)
- Left and right hand operation controls on column
- Easy to read control panel
- Posterior defocusing of the position of the treatment focal plane.
- Posterior offset 150/300 um
- Optimal and easy setting for Iridotomy with double and triple bursts (repetition rate 2x, 3x)
- Integrated CSO slit lamp SL 9800 or SL 9900, the economical choice for optimal view and examination
- Compatible with most CSO accessories
- Triple fixed or rotating aiming beam for precise and safe focussing
- Upgradeable to combination system with Merilas 532α green laser photocoagulator or Merilas 577α yellow laser photocoagulator.

Selected accessories from the CSO and Haag-Streit product range compatible:

- Beam splitter
- Co-observation tube
- Digital photo and video adapter
- Laser contact lenses
- Tonometer

Meridian has been developing, manufacturing, and maintaining ophthalmic lasers for more than thirty five years.

A selected worldwide distributor network ensures comprehensive after sales support.

For further information please consult

www.meridian.ch

MICRORUPTOR 6

The doctor's smart choice for simple and safe patient treatment.



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SPECIFICATIONS

LASER

Laser source: Q-switched Nd:YAG 1064 nm
Energy settings: Adjustment in steps of 0.1 mJ from 0.5 mJ to >10 mJ continuous
Spot size: < 10 µm
Cone angle: 16°
Defocus: Posterior
Pulse duration: < 4 ns
Pulse setting: 1, 2 or 3 pulses per burst
Repetition frequency: up to 3 Hz
Breakdown threshold: < 1 mJ (in NaCl)
Aiming beam: Triple fixed or rotating mode beam (635 nm red < 1 mW), variable intensity enveloping the treatment laser beam
Spot size (aiming beam): 50 µm (approx.)
Cooling: Passive air cooling (convection)
Electrical requirements: 90–250 V, 50/60 Hz, 2.0A
Intended use: Posterior capsulotomy, pupillary membranectomy and iridotomy

SLIT LAMP

Type: Original CSO slit lamp SL 9800 or SL 9900
Slit image width 9800: 0–14 mm continuous
Slit image length 9800: 0.2–14 mm continuous variable
Slit image width 9900: 0–12 mm continuous
Slit image length 9900: 0.2–12 mm continuous variable
Slit image radial range: ± 90°
Magnification changer: 5 times (6,3x, 10x, 16x, 25x, 40x)
Radial movement to the microscope axis: Horizontal ± 40°
Filters: Cobalt blue, redfree, heat-absorbing
Light source: LED 6V
Illumination intensity: 0–380 000 Lux

STANDARD MOTORISED TABLE

Minimum / maximum height:
 70 cm / 96 cm (table)
Table dimensions:
 40.5 x 100 cm (table top)

Other CSO tables available upon request

Your distributor:

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 Fax +41 (0) 3333 4 1119
 info@meridian.ch, www.meridian.ch

MICRORUPTOR 6

	PART NO.
MICRORUPTOR 6 CSO SL 9800	100500
MICRORUPTOR 6 CSO SL 9900	100503
Motorised CSO table 230 V	100501
Combination unit MICRORUPTOR 6 with MERILAS 532α 9800	100510
Combination unit MICRORUPTOR 6 with MERILAS 532α 9900	100511
Combination unit MICRORUPTOR 6 with MERILAS 577α 9800	100512
Combination unit MICRORUPTOR 6 with MERILAS 577α 9900	100513

OPTIONAL ACCESSORIES

	PART NO.
Safety goggles for Nd:YAG	640087
Safety goggles for combination unit Nd:YAG and green	640778
Elbow rest (handcrafted wood)	414815
Chinrest paper (Box of 1000)	610087

CSO ACCESSORIES

Full range available upon request

LASER LENSES HAAG STREIT

	PART NO.
CGIL, Iridectomy	7200194
CGAL, Gonioscopy	7200195
CGPL, Capsulotomy	7200196



Caution: Federal law restricts this device to sale by or on the order of a physician.

MERIDIAN RANGE OF PRODUCTS

MICRORUPTOR 6:	Nd:YAG laser
MERILAS 532α:	Green laser photocoagulator Short pulse
MERILAS 577α:	Yellow laser photocoagulator Short pulse
LIO 500 (LED):	Laser Indirect Ophthalmoscope
SLA:	Slit Lamp Adapter for MERILAS 532α/577α
Protection Filters active and passive:	for MERILAS 532α/577α