DEVICE
OPHTHALMIC
TECHNOLOGY

meridian
medical

merilas

α532

GREEN LASER PHOTOCOAGULATOR

FOR ALL RETINAL
PHOTOCOAGULATOR
PROCEDURES

PIONEERING ***OPHTHALMIC TECHNOLOGY***

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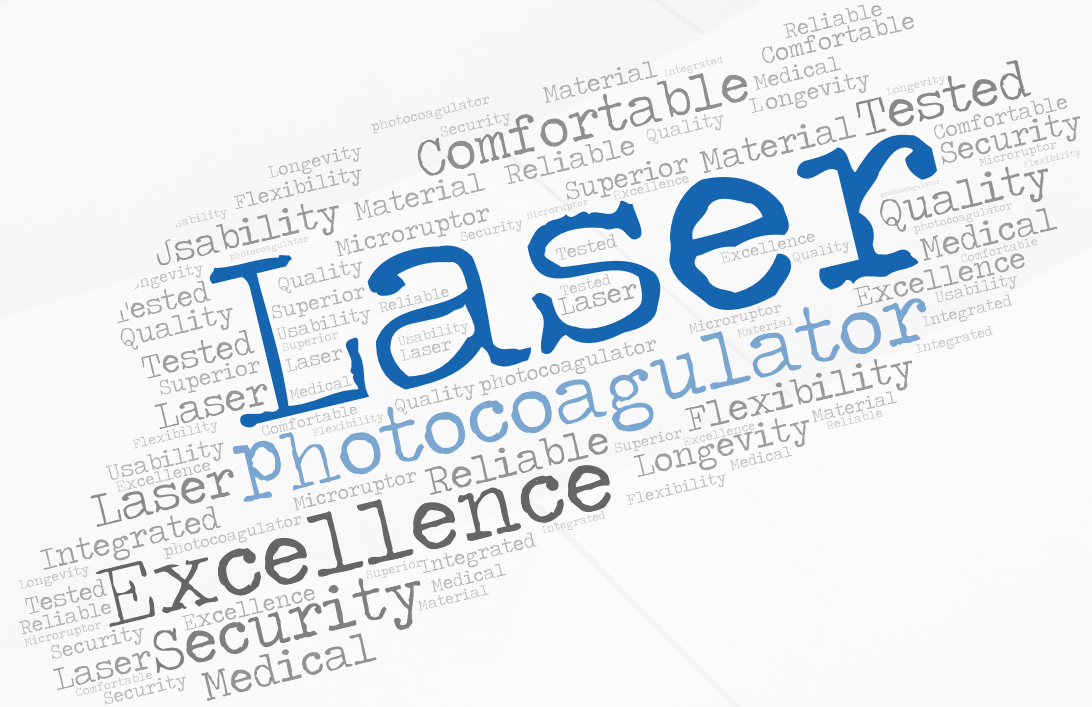
PROVEN RELIABILITY – UNIFIED LOOK

Award Winning, frequency doubled solid state 532nm photocoagulator.



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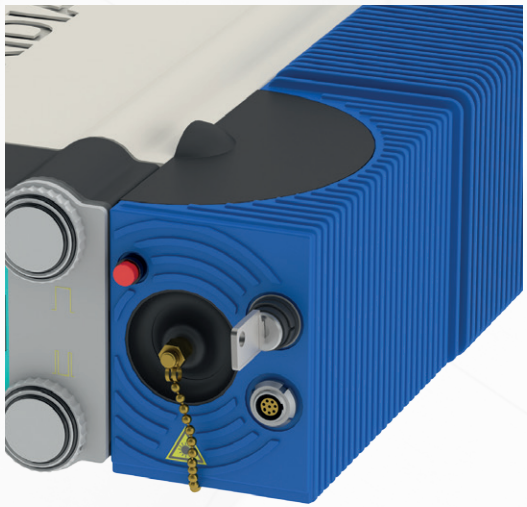
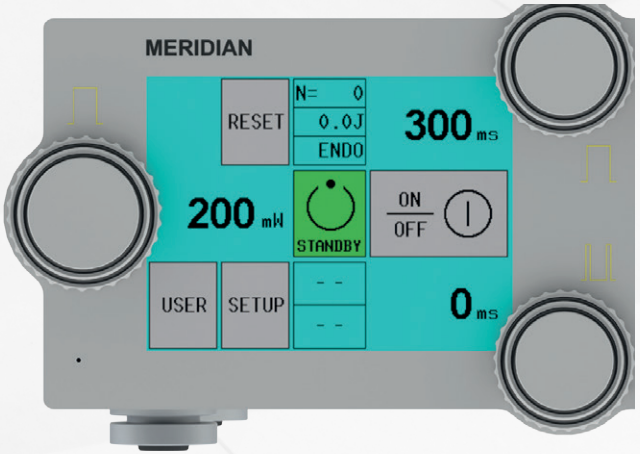


HIGH QUALITY & LONGEVITY

The Merilas 532 alpha is cooled by an innovative thermal electrical cooling system. No ventilation slots are required. This ensures that no dust can penetrate into the interior of the laser.

The housing of the laser head is made of a high grade aluminium giving the robust solid feeling of Meridian products while moving the laser, and protects the sensitive parts of the laser.



USABILITY

The Merilas lasers ensure efficiency with their fast start-up.

The detachable touch display with glass technology ensures flexibility and cleanliness at the workplace. The user interface is easy to use thanks to its intuitive design. Due to our innovative thermal-electrical cooling system there are no disturbing noises or air turbulences.

All Merilas lasers impress with their small and compact size and are easy to transport. Each laser comes with a robust and practical transport case.

SAFETY

Auto Key connector: The automatic recognition of the laser delivery device must be confirmed by the user.

- Stable laser output
- Parfocal laser (this assures no heating on the cornea)

Our technicians can support you via remote service in case you need assistance. This function allows fast and easy troubleshooting.

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FLEXIBILITY & COMFORT

Our range of slit lamp delivery systems have been designed to be compatible with a wide range of slit lamp types, either Haag-Streit or Zeiss. The Merilas lasers can be used with laser indirect ophthalmoscope and endoprobes.

Our technicians can support you via remote service in case you need assistance. This function allows fast and professional troubleshooting.

LASER EXCELLENCE

The history of Meridian AG, now known as Meridian Medical Group, and the history of the medical Nd:YAG laser are closely connected. Meridian AG was already significantly involved in the development of the “Merilite” and in 2006, the first Merilas laser in the Merilas family was born.

For the shortpulse lasers, new technology was developed and patented by our development engineers.

We select and integrate the top range Swiss and European laser components to ensure high level of quality and long term reliability. We use tested and reliable best practices in engineering and integration, ensuring high level performance in each of our systems.

Our highly skilled and experienced staff work to deliver the service and results our customers deserve and have come to expect.

TIPS FOR YOUR LASER

- Not using your laser over a long period of time will shorten its lifetime
- Store the laser in the supplied case if the laser is not used for a long time
- Regular cleaning ensures stable operation of the laser

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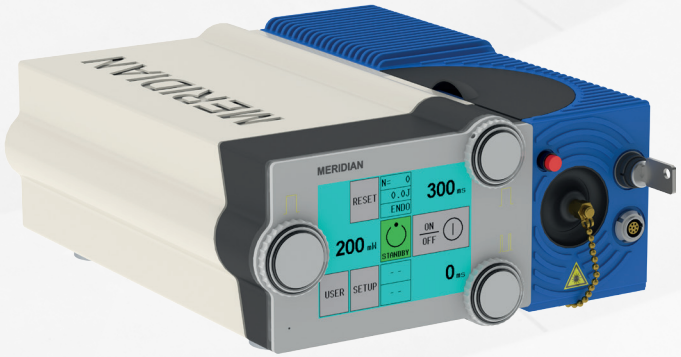


CLINICAL INDICATION

Photocoagulation:

Retinal photocoagulation, panretinal photocoagulation (PR) and intravitreal endophotocoagulation of vascular and structural abnormalities of the retina and choroids, including::

- Proliferative and non-proliferative diabetic retinopathy
- Choroidal neovascularisation
- Branch retinal vein occlusion
- Age-related macular degeneration
- Retinal tears and detachments
- Retinopathy of prematurity
- Macular edema
- Lattice degeneration
- Central retinal vein occlusion

Iridotomy:

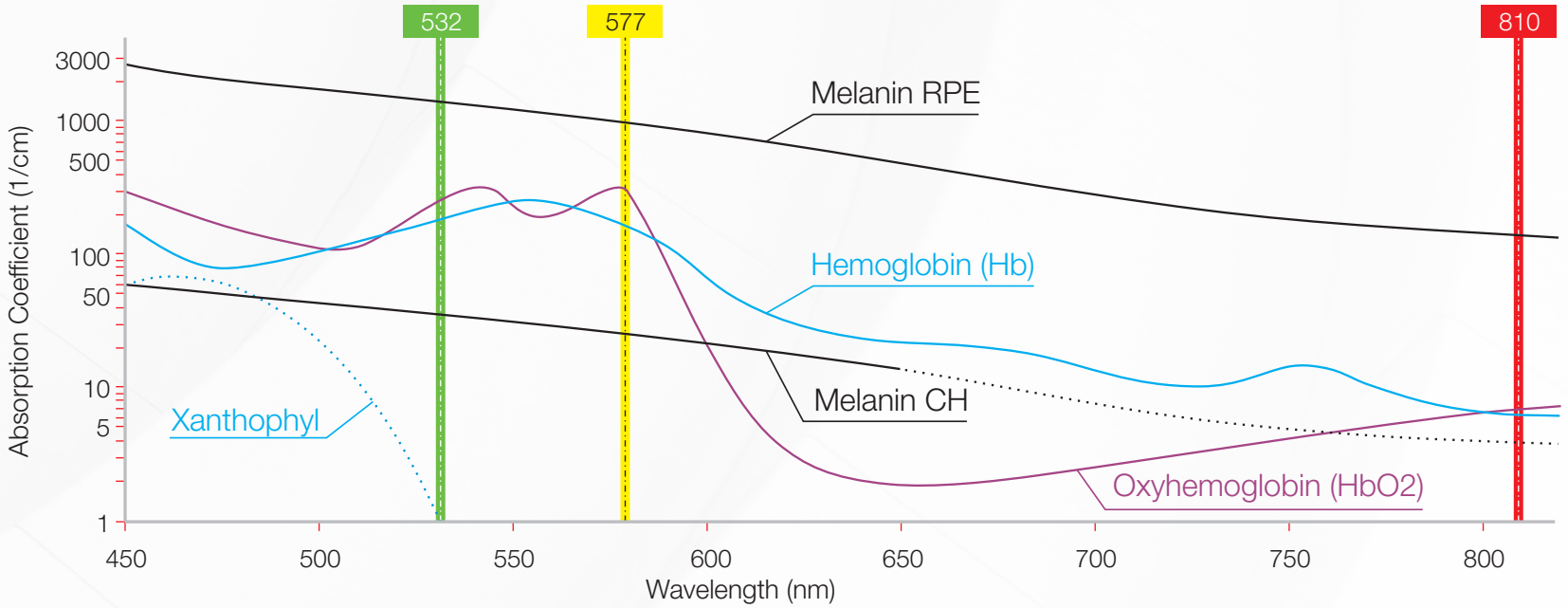
- Iridotomy in angle closure glaucoma

Trabeculoplasty:

- Trabeculoplasty in open angle glaucoma

WAVELENGTH BENEFITS – WHY 532 NM?

- The green light is best absorbed by the pigment melanin and is therefore suitable for various retinal treatments, especially of the pigmented retinal epithelium (RPE)



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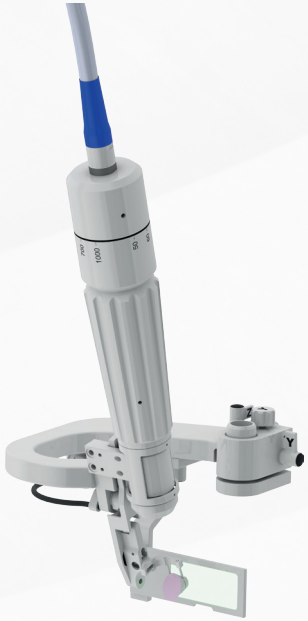
STANDARD ACCESSORIES

- Foot switch
- Transport case



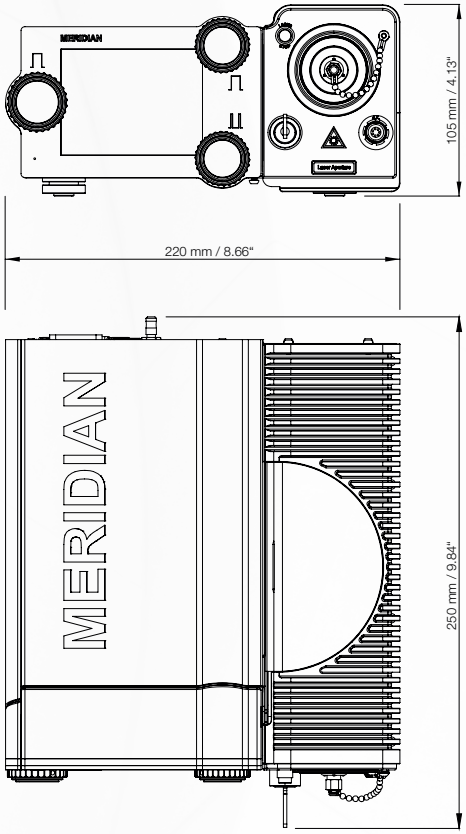
OPTIONAL ACCESSORIES

- Slit lamp adapters
- Laser indirect ophthalmoscope
- Safety filters (passive & active)
- Endoprobes
- Safety goggles

TECHNICAL SPECIFICATIONS*

Device Description	Merilas 532 alpha | merilas α532
Safety Classifications	Class 4
Wavelength	532 nm
Power Output	50 – 2000 mW
Pulse Duration	10 ms – 5 000 ms
Pulse Interval	10 ms – 5 000 ms
Cooling	TEC
Aiming Beam	Diode 635 nm, (0-1 mW in 9 Steps)
Dimensions	25.0 x 22.0 x 10.5 cm
Total Weight	7.0 kg
Power Requirements	100 – 240 V, 50/60 Hz, 2 A max.

* All technical specifications are subject to change without notice. In accordance with the international general safety standards: IEC 60601-1:2005/AMD1:2012,, IEC 60601-1-2:2014, MDD 93/42/EEC. The laser safety is in accordance with the international standards: IEC 60825-1:2014 and IEC 60601-2-22:2007/AMD1:2012.



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For more information please contact your Device Technologies representative.

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