

# merilas

shortpulse **532**

## Green laser photocoagulator

for all retinal photo-  
coagulator procedures

your laser specialist

meridian   
medical



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## SUPERIOR QUALITY & LONGEVITY

The Merilas 532 shortpulse is cooled by a unique 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 unique solid feeling of Meridian products while moving the laser and protects the sensitive parts of the laser.



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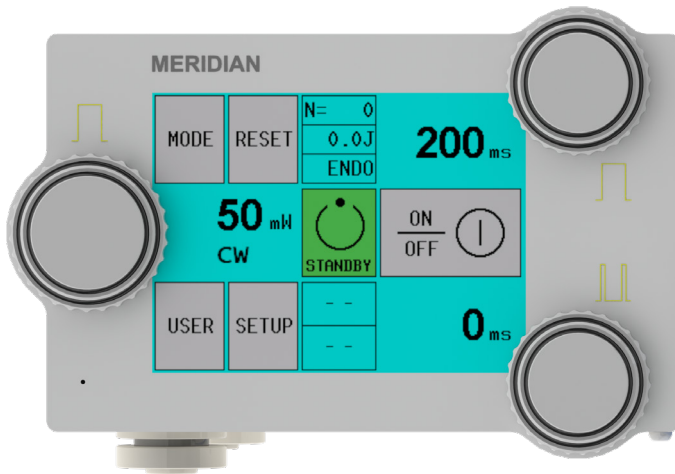
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## USABILITY

**The Merilas lasers convince by 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 special and unique thermal-electrical cooling system there are no disturbing noises or air turbulences.

All Merilas lasers impress with their small and compact size, they can easily be transported. Each laser comes with a robust and practical transport case.



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## SAFETY

The separate menu modes for easy identification of continuous wave and short pulse mode ensure safe handling.

Our color-coded laser coupling to match the wavelength output makes it easy to assign the laser delivery systems. Auto Key connector: The automatic recognition of the laser delivery device must be confirmed by the user.

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

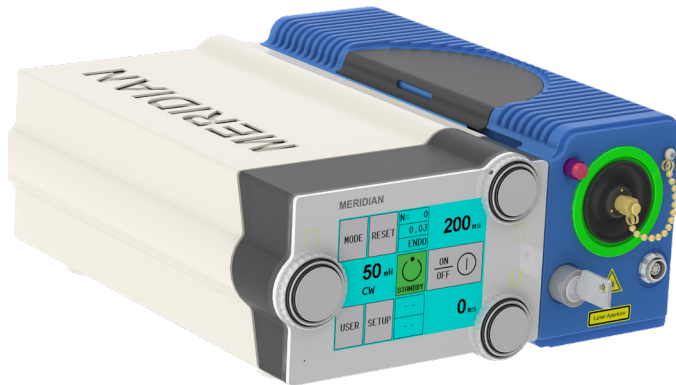
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## CLINICAL INDICATION



### Photocoagulation:

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

- Proliferative and non-proliferative diabetic retinopathy
- Choroidal neovascularization
- 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

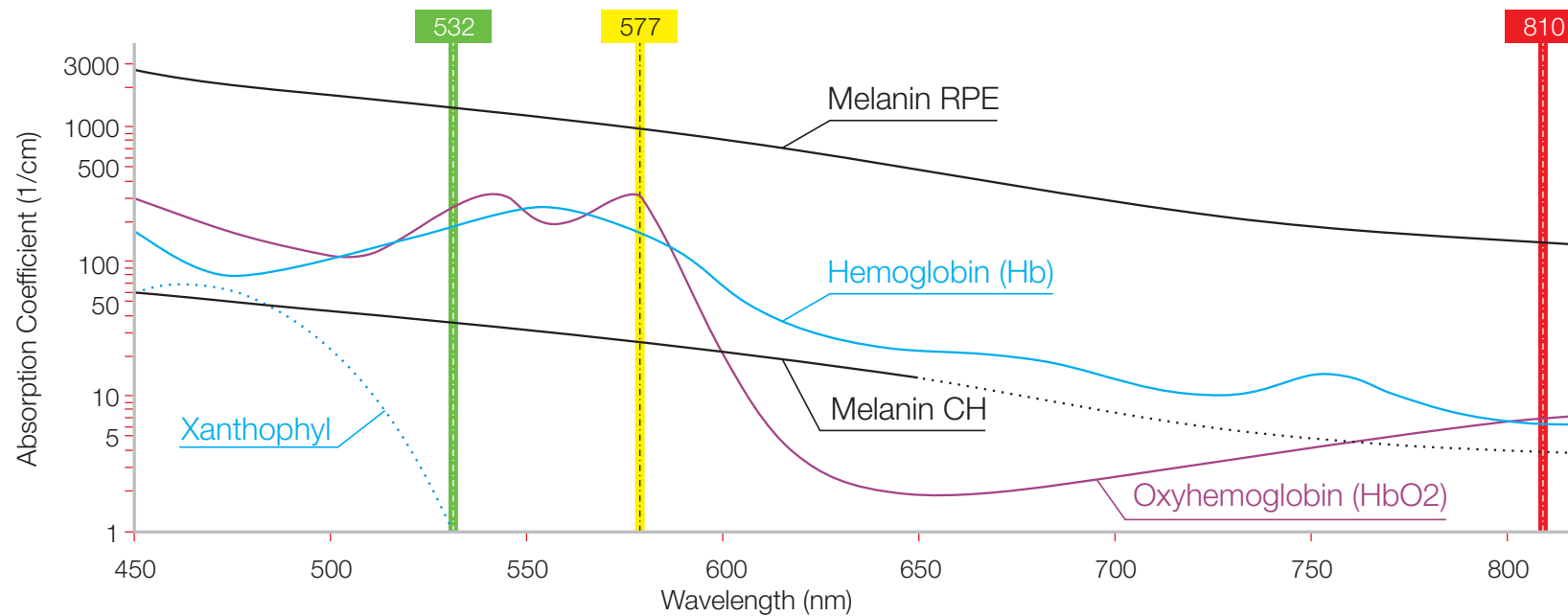
### Trabeculoplasty:

- 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)

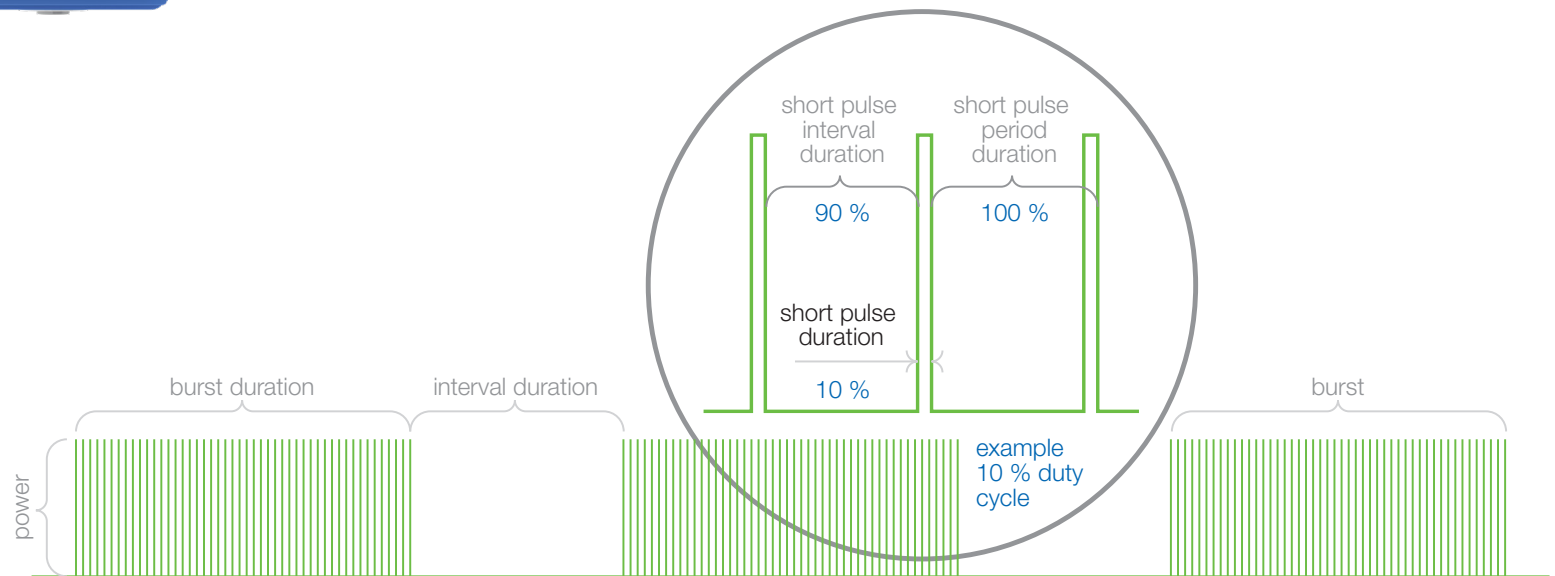
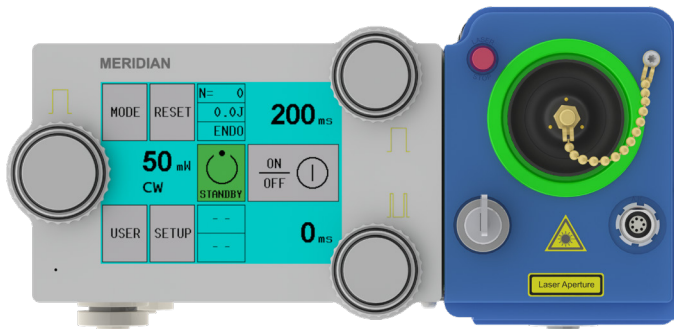


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## THE PRINCIPLE OF SHORTPULSE

- In short pulse mode a pulse duration consists of many alternating short bursts and intervals.
- In contrast to the continuous wave (CW) mode, the tissue is not heated very much in the short pulse mode – tissue is treated more gently.



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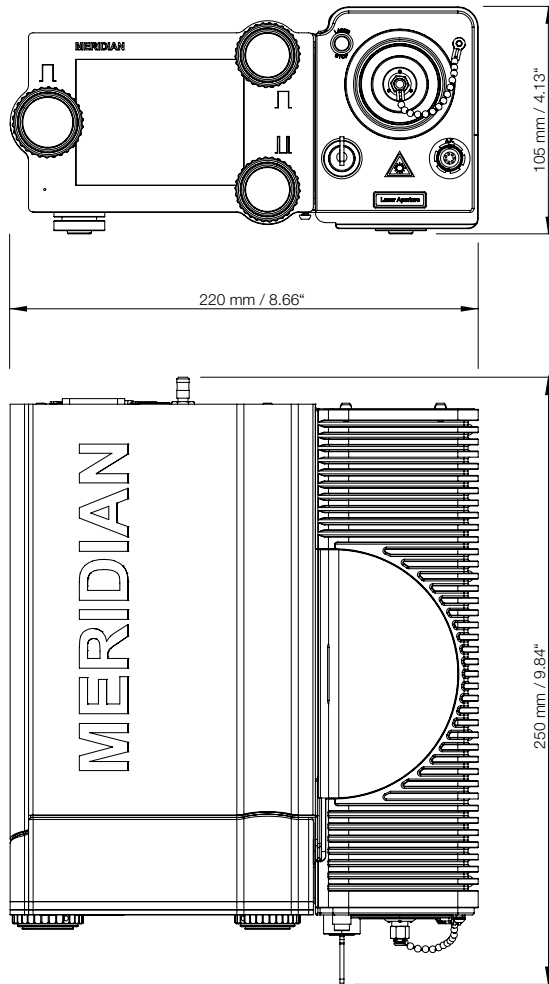
## STANDARD ACCESSORIES

- Foot switch
- Transport case

## OPTIONAL ACCESSORIES

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





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## TECHNICAL SPECIFICATIONS\*

Device description	Merilas 532 shortpulse   <b>merilas</b> shortpulse <b>532</b>
Safety Classifications	Class 4
Wavelength	532 nm
Power Output	50 – 2500 mW
Pulse Duration	CW (continuous wave, pulsed) 1 ms – 5 000 ms
Pulse Interval	1 ms – 5 000 ms
SP-Mode Settings	Short pulse (continuous wave, chopped) Short pulse duration: 0.01 – 9.5 ms Short pulse interval: 1.1 – 9.5 ms
Cooling	TEC
Aiming Beam	Diode 635 nm, (0-1 mW in 9 Steps)
Dimensions	25.0 × 22.0 × 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.



your laser specialist





## Main contact

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