



tt532

Multispot laser

for all your retinal needs

your laser specialist

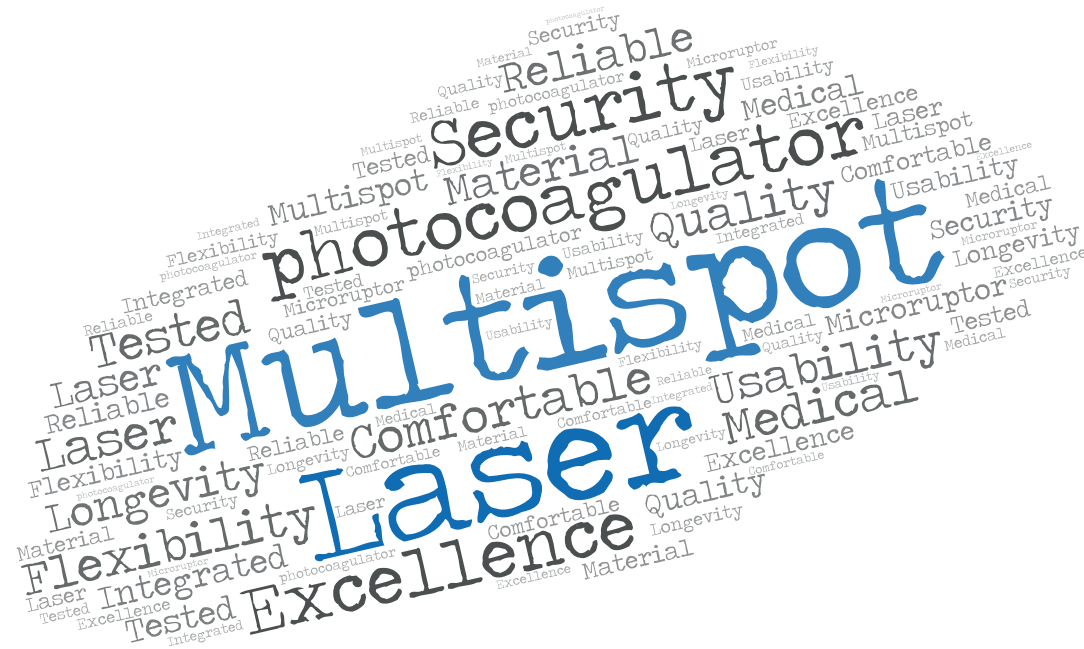
meridian 
medical



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MOBILITY AND CONNECTIVITY

The TT 532 is a fully featured multispot integrated laser. TT excels in performance thanks to its functional and modern design – all of its components have been carefully integrated in the table, providing a robust operation and sturdy feeling.



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SUPERIOR QUALITY & LONGEVITY

Using the highest quality components Meridian reserves its best laser cavities for our premium laser range.

We have carefully partnered with the top ophthalmic industry manufacturers to include in our multispot range the absolute best quality components from Switzerland and Europe.

Meridian's propriety scanning systems feature the fastest galvanometers on the market, assuring perfect patterns and laser quality at all times, these systems meticulously integrated in our facilities, provide the best and most stable integration platform combined with Haag-Streit slit lamps.

TT range peripheral fibres and cables are enclosed for their protection, and all the electronics are carefully guarded inside a dust-free aluminium case.



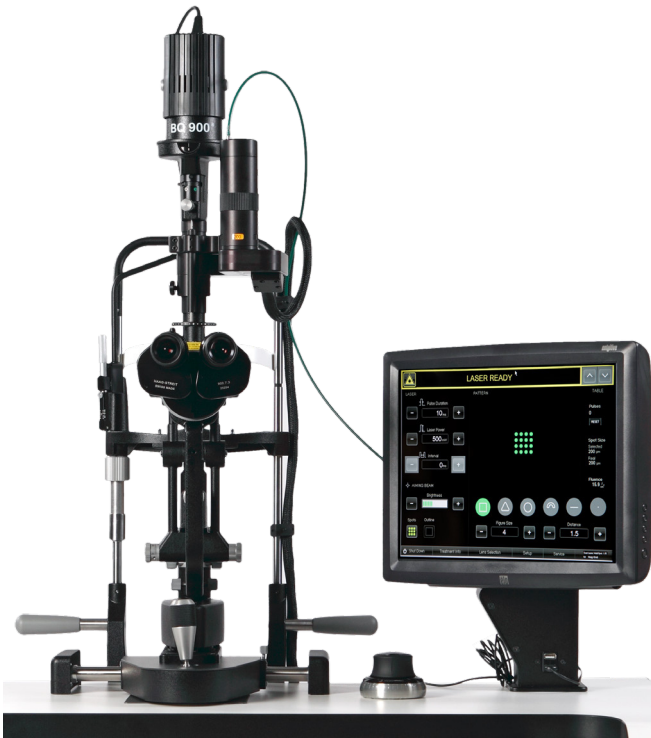
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USABILITY

Designed by European retinal specialists, TT range offers a high level of practical and relevant features:

- Retinal projection: laser settings, laser power, pattern selection, size and rotation can be observed through the oculars without the need of removing the eyes from the binoculars. Maximising the efficiency of the surgeon when is performing the treatment.
- Our proprietary smart wheel controller makes the laser operation fast, easy, and Intuitive.
- All laser parameters (e.g. power, pattern, duration) can be swiftly modified using the smart wheel or through its touch screen.
- These advance features help to speed up the treatment time and reduce patient chair time.



your laser specialist

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SAFETY

Meridian multisppot range feature the highest range of safety features in pattern laser photocoagulation.

- Restricted pattern size by 2x2.
- Automatic fluence calculation combined with spot size control and laser lens power.
- Restricted total time of pattern delivery to 0.7 seconds.
- Retinal outline projection of patterns to ensure the visibility of tissue and grid location.
- Pattern delivery can be stopped by releasing the foot pedal.
- The table height is automatically locked when the laser is in “ready mode”.



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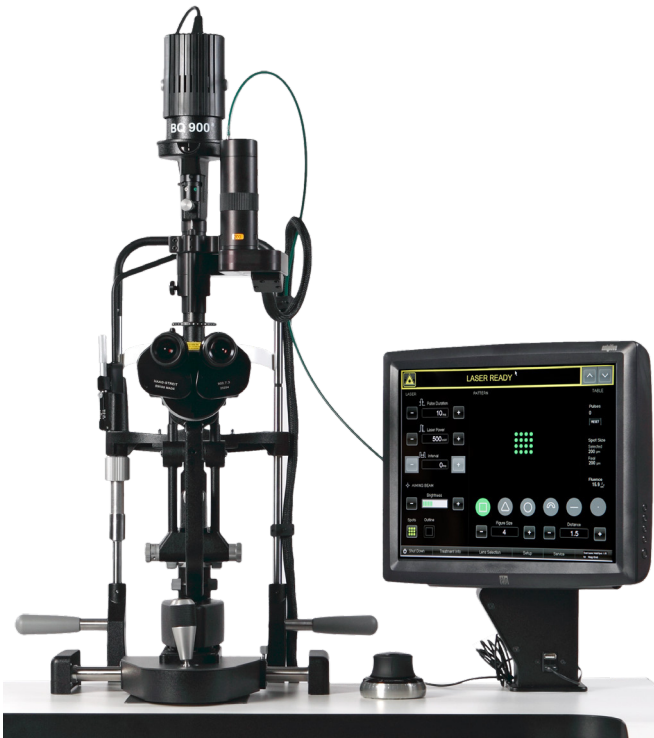
FLEXIBILITY & COMFORT

We understand customers like to have the option and control, if Haag-Streit BQ 900 is not your preferred bio-microscopy we can provide our pattern lasers with CSO SL 9900.

All Meridian systems are installed and calibrated by our worldwide network of factory trained distributors and engineers.

TT range slit lamp scanners ensure excellent retina illumination and laser delivery.

Meridian offers the flexibility of 3 multispot models to cater for any customer needs.





LASER EXCELLENCE

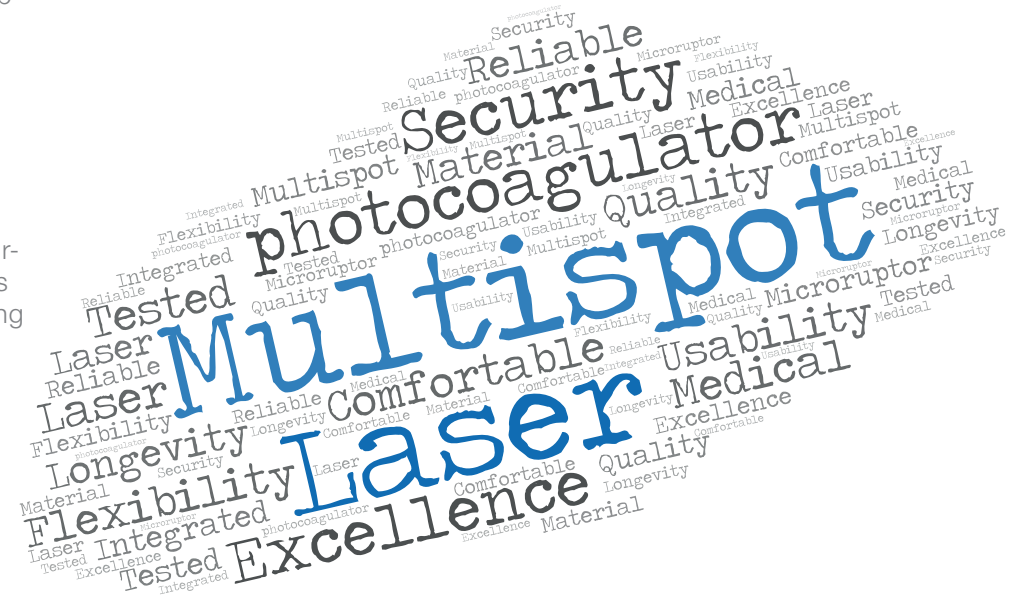
Meridian AG was founded in 1937 and our history is closely linked to the genesis of medical Nd:YAG lasers. The collaboration with Prof. Dr. Franz Fankhauser resulted in the development of the first commercial Nd:YAG laser for ophthalmology back in 1982: The famous Microruptor II.

Later in 1994 Meridian AG launched its first Argon laser, the Merilite, superseded later on by the first Merilas laser in 2006. As new technologies arise, Shortpulse, Meridian's microsecond pulse laser technology was developed by our inhouse engineers.

Today Meridian Medical Group continues developing its portfolio through proprietary innovations and acquisitions. With 3 manufacturing facilities across Europe, Meridian Medical selects and integrates the best Swiss and European laser and optical components ensuring the highest level of quality and long-term reliability.

TIPS FOR YOUR LASER

Your laser is a precision unit, yearly services ensure, not only the quality of the treatment laser, but extends the life of the unit. Regular external maintenance will help to prolong the life cycle of the unit and its components. Use the laser within the specifications of the manufacturer.



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CLINICAL INDICATION

Meridian's multispot laser range has been designed to satisfy the needs of retinal photocoagulation, from proliferative diabetic retinopathy, macular oedema to tears and detachments, our lasers will deliver superb laser quality with the highest optical quality available in the industry.

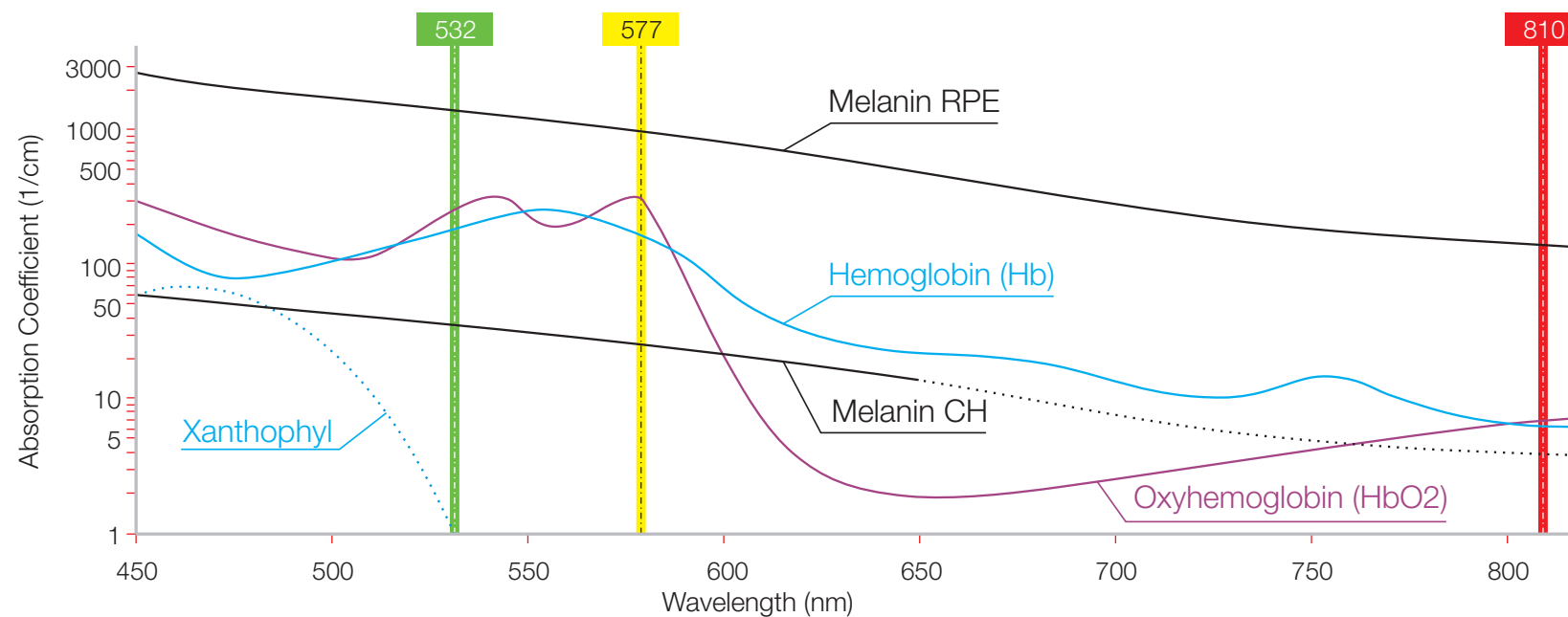
Whatever your treatment parameter preferences are, Meridian's multispot range, offers you solutions from continuous wave to Shortpulse technology, in single and pattern delivery modalities.





WAVELENGTH BENEFITS – WHY 532 NM?

Green laser of 532nm wavelength is the gold standard in photocoagulation, its overall absorption across all pigments makes it the perfect selection to treat retinal disorders in the periphery and in the central retinal area (away from the macula).



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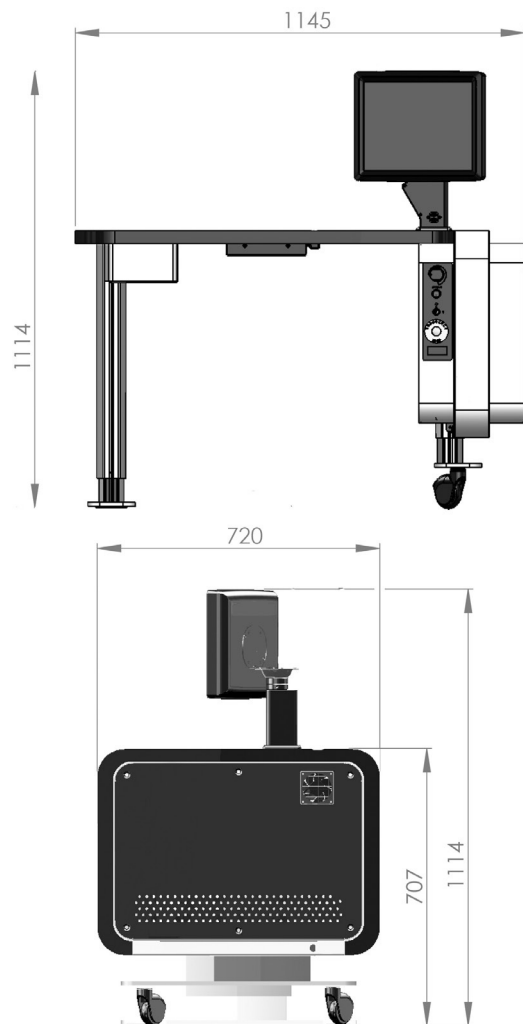
STANDARD ACCESSORIES

Meridian multispot range comes standard with

- Scanning slit lamp delivery system
- Footswitch
- Laser goggles (x1)

TT range includes the two-column table for great patient access.





TECHNICAL SPECIFICATIONS

Device description	Multispot laser tt532
Laser	OPSL 532 nm
Laser Power	3000 mW, restricted to 2000 mW
Pulse duration	10 - 650 ms
Spot sizes	50 µm, 100 µm, 200 µm, 300 µm and 400 µm
Aiming beam	635 nm, adjustable brightness. Pattern projected as spot or outline
Patterns	Square, Circle, Arc, Sector, Line, Spot (repetition)
User interface	15" Touch screen and Smart Wheel
Slit lamp	Haag-Streit BQ 900 or CSO SL 9900
Electric	230 V 50 Hz (Voltage options for different countries are available)
Net Weight	138 kg
Gross Weight	208 kg





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