



IF & F  
SERVICE SOLUTIONS

**Superior Quality**  
**Longevity**  
**Laser Excellence**  
**Usability**  
**Safety**  
**Flexibility**  
**Comfortable**

# TT Integrated Multi Spot 577 with ShortPulse®



# MERIDIAN MEDICAL

- Swiss optical company established in 1937
- Laser manufacturer from 80's
- Creator of first commercial Nd:YAG laser
- World leader laser cavity manufacturer
- 2006 Award winning design for Merilas console
- Meridian Medical OY is based in Finland since 2020



# Superior care for busy clinics



The TT 532 is an integrated multisport laser.  
It was launched in 2009

# Superior Quality & Longevity

- To meet your strict quality requirements for our products, we exclusively use our own propriety patented laser cavities.
- The housing is made of robust and resistant materials.



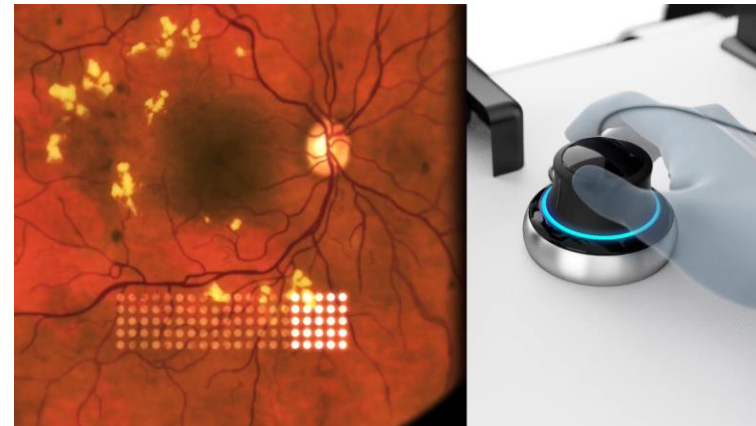
# Superior Quality & Longevity

- Pattern Laser controlled by 2 GALVANOMETERS
- Designed to be a pattern laser from its conception
- Fastest pattern in the industry with excellent laser quality in ALL the spots



# Usability

- Parameters controlled with Smart wheel
  - Fast, simple and intuitive operation
  - Multiple parameters control
    - laser power
    - pattern size
    - rotation



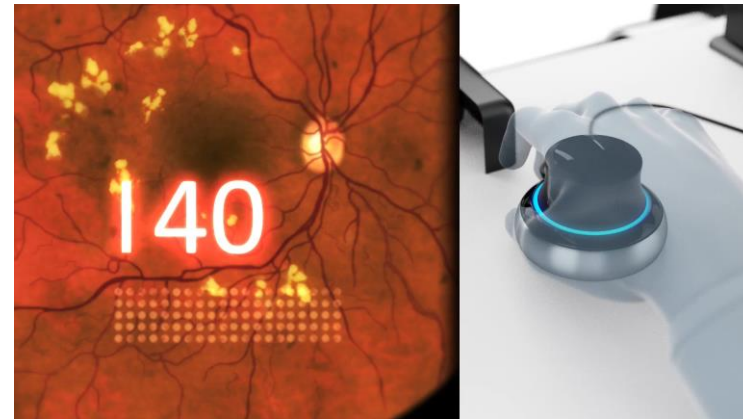
# Usability

- Clear and informative touch screen
  - Intuitive graphic interface
  - At glance laser settings and pattern selection
  - Interactive safety messages



# Usability

- **Ergonomics at its best**
  - All laser settings projected on Retina
  - Allows immediate parameter information without removing the eyes
  - Ensures fast and safe treatments





# Safety

## ■ Safety Parameters

- Restricted pattern size (2mm x 2mm)
  - Assures even energy distribution on all pattern spots
- Restricted pattern delivery duration
  - 0.7 sec limit
- Pattern delivery controlled (start and stop)
  - Foot pedal
- Outline projection of pattern
  - Allow to see location and tissue

## ■ Peripheral systems

- Automatic table height control lock on ready mode



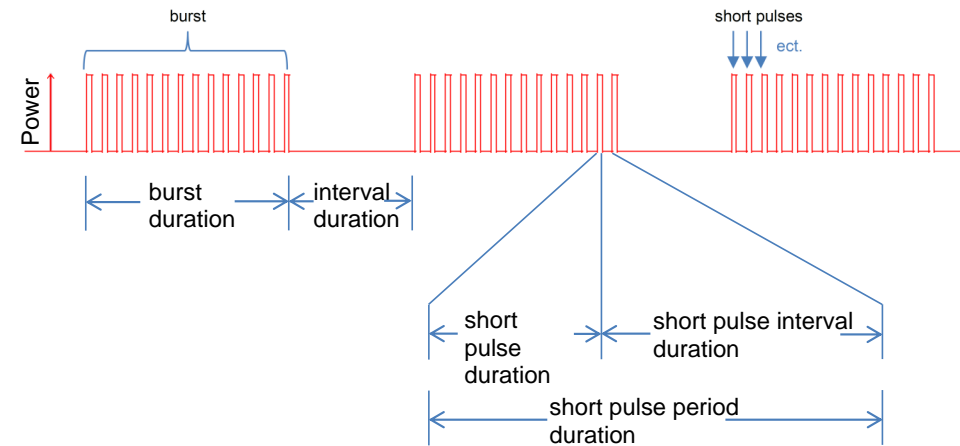
# Flexibility & Comfort

- **Swiss optics**
  - By Haag-Streit BQ slit lamp
- **Factory installed and calibrated**
- **In-house designed SL adapters and filters**
  - Maximises retina illumination
  - Minimises the need for calibration



# Flexibility & Comfort

- DUAL MODE CAVITY
  - Continuous Wave for traditional photocoagulation
  - Pockets of microsecond laser pulses: Meridian's [Shortpulse®](#) for subthreshold applications



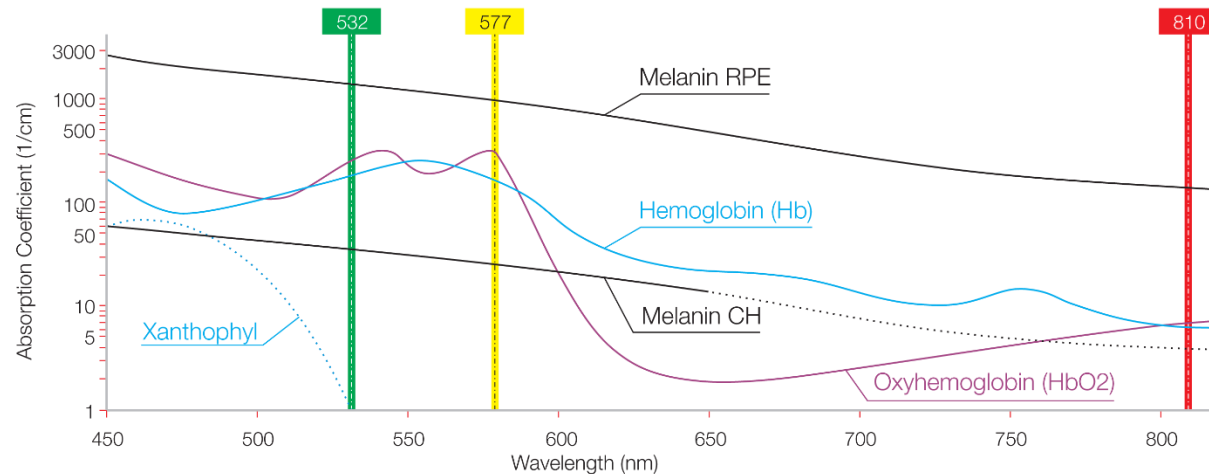
CW pulse for comparison:



# Wavelength benefits

## Why 577 nm?

- Causes less retinal burns & less scotoma formation.
- Better control over the interaction between the laser beam and tissue.
- Negligible absorption by xanthophyll - ideal for macular treatments.
- Produces less scattered light - penetrates existing opacities better & reaches the tissue more precisely





# Contact & information

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