



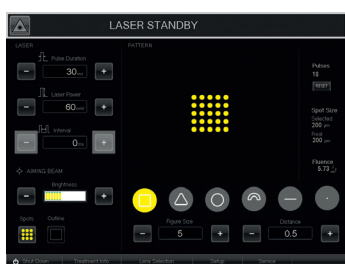
# The Future Of Photocoagulation Is Here



# VALON TT 577 – EASE OF USE AND VERSITALITY

The Valon Multispot laser provides the most intuitive and versatile controls available. A large resistive touch screen and the Smart Wheel controller combined with our unique information projection on the retina puts you in complete control of the procedure.

## Comfort and safety



The large and simple user interface provides complete control of all customary settings, such as pulse duration, laser power, pattern selection and pattern size. All parameters are clearly marked with an exceptionally easy access to the Standby/Ready-modes at the top of the screen. The display also shows different automatic reminders built in the system to ensure safe treatment.

## The Smart Wheel



Our proprietary Smart Wheel control makes operating the Valon laser faster than you thought possible. You can use the Smart Wheel to control aspects such as choice of pattern, pattern size, pattern orientation and laser power without the need to view the monitor. This unparalleled increase in usability significantly reduces the time of treatment and increases focusing capabilities.

## Information projection on the retina



Unique information projection, a feature patented by Valon combined with the Smart Wheel provides complete control of variable values without removing eyes from the oculars. During the treatment the system projects on the retina all customary settings such as laser power, pattern selection, size and rotation.

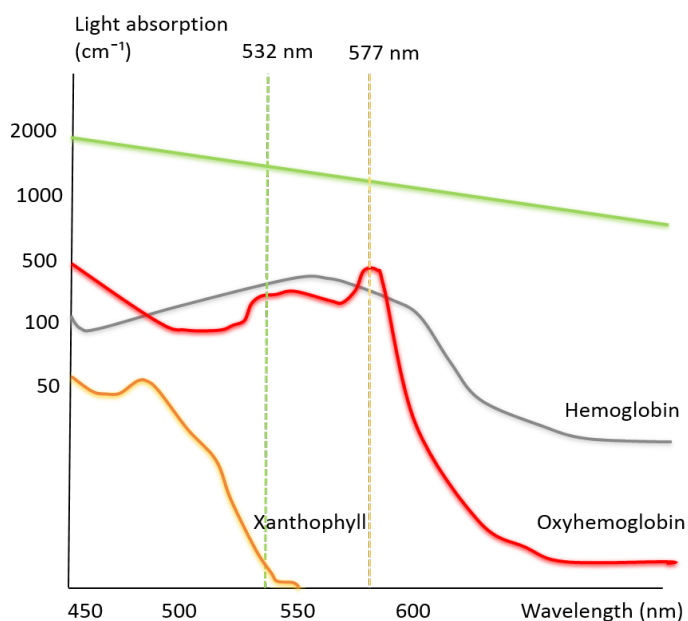
## Preferred wavelength for painless treatments

Many retina specialists prefer 577 nm in the photocoagulation treatments due to 577 nm being minimally absorbed by xanthophyll, and having higher absorption by oxyhemoglobin than 532 nm wavelength.

With the Valon method, by accurately titrating the needed laser energy to achieve the desired therapeutic effect we can avoid all sensation of laser induced pain.

This method combined with the superior speed and usability of the Valon laser further improves the user experience both for the physician and the patient, due to the increase in cooperation and decrease in anxiety and treatment time.

Valon TT Pro 577 nm also has an option for micropulse mode for ultrafast, subthreshold treatments.



## Tailored to your needs

All the dimensions of Valon TT PRO are designed to enable easy treatment also for a wheelchair-bound patient.

The electronically movable table with enough table space enables ergonomic working position for different sized physicians and patients.

Smartly designed feature unlocks the wheels on both sides of the table, if the system needs to be moved to a different location. When in place, the wheels will lock automatically making the system safe and robust for heavy duty operations.

# HIGHEST QUALITY- NO COMPROMISES

## Excellent optics

Our dedicated adapters guarantee the sharpest focus possible during treatment. To ensure the best optical quality, we support most high quality slit lamps, such as CSO and Haag-Streit.



## Extensive safety features

To ensure safe and painless treatment Valon has implemented various safety features in the system.

- Fluence calculation combined with spot size and preset lens selection
- Pattern for macular grid with safety settings
- Outline projection of patterns to ensure the visibility of both tissue to be treated and spot intensity immediately after delivery
- Restricted total time of 750 ms for pattern delivery

# VALON TT 577

## Technical specifications

<b>Laser</b>	OPSL-577nm
<b>Power</b>	3000 mW, restricted to 2000 mW
<b>Pulse duration</b>	10-1000 ms in single spot mode, 10-30 ms in pattern mode
<b>SubPulse</b>	Subthreshold treatment option, 1-55% duty cycle
<b>Spot sizes</b>	50, 100, 200, 300 and 400µm
<b>Aiming beam</b>	635 nm, adjustable brightness. Projected as spot or outline
<b>Patterns</b>	Square, sector, circle, triple arc, line, single spot (repetition)
<b>User interface</b>	15" touch screen, Smart Wheel, Patented information projection on retina
<b>Slit lamp</b>	CSO 9900 SL (LED)
<b>Electricity</b>	230 V 50Hz (voltage options for different countries available)



We reserve the right to change the information about our products.  
For latest information, please visit our website [www.valon.fi](http://www.valon.fi) or contact us at [info@valon.fi](mailto:info@valon.fi)

