optimis™ FUSION

Next Generation SLT/YAG Laser

Integrated SLT /YAG Platform

Quantel medical

optimis™ FUSION

Quantel Medical's cutting edge laser technology has brought constant and multiple innovations to ophthalmologists worldwide since **1993**.

Optimis Fusion combines traditional YAG photodisruption treatments and advanced SLT photoregenaration therapy in one integrated platform.

Optimis Fusion from Quantel.

The Next Generation of SLT/YAG Technology.

Quantel's proprietary technology is based on an engineering breakthrough, which enables infrared and visible green nanosecond pulses to be produced by a single dual-mode cavity reducing complexity and resulting in a more elegant, advanced combination laser platform.

Premium Optics

- Optimized for viewing the anterior and posterior segment
- Convergent optical path
- Blue-free illumination for improved visibility

New, Advanced Technology

- Highly efficient, powerful and reliable
- Dual-mode laser cavity: Optimized to produce two wavelengths from one cavity

New, Advanced Design

- Integrated Platform
- Easy switch from SLT to YAG mode
- Small footprint for two powerful technologies

SLT Mode

Gentle Laser Delivery

No Thermal Damage. Repeatable.

Selective Laser Trabeculoplasty (SLT) targets melanin-rich cells which absorb the laser energy to induce a healing response that begins to restore the function of the trabecular meshwork.

The laser energy is delivered in short, fixed pulses over a large, homogeneous spot size, resulting in no thermal damage. Due to the gentle delivery and no permanent destruction to the trabecular meshwork, SLT leaves the structures intact and can be repeated if necessary.

YAG Mode

Precise and Powerful

The YAG mode delivers high-performance photo-disruption for capsulotomy and peripheral iridotomy. The gaussian laser beam profile allows for precise delivery, only requiring minimum energy levels, which avoids side effects such as lens pitting.

Precise tissue targeting is achieved with the advanced two-point aiming beam, allowing for fast and accurate targeting of the capsule; and the adjustable anterior and posterior offset feature, allowing for easy focus adjustment in front, behind or at the point of disruption.

A Glaucoma, Cataract and Retina Laser in One

The Fusion easily combines with Quantel Medical Vitra or Vitra Multispot green photocoagulators.

SLT

First choice treatment for managing glaucoma and lowering IOP.

Repeatable
Proven
Gentle and non-invasive
Primary or adjunct therapy
No compliance issues
No side effects*

*Compared to drug therapy

optimis™ fusion

TECHNICAL SPECIFICATIONS

	SLT	Nd:YAG
Laser source:	Q-switched, frequency doubled Nd:YAG	Q-switched Nd:YAG
Wavelength:	532nm	1064nm
Energy levels:	0.3 to 2 mJ	0,3 to 10 mJ (1 pulse)
Pulse duration:	4 ns	4 ns
Spot Size:	400 microns	10 microns (86.4% energy in diameter) 8 microns FWHM
Repetition rate:	Up to 2.5 Hz	Up to 2 Hz
Offset: (Anterior and Posterior)	Not applicable	-150µm, +30µm, +150µm
Pulse mode:	Single pulse	1, 2 and 3 pulses per shot

COMMON TO BOTH

Aiming beam:	Red 635 nm, adjustable intensity
Slit Lamp Type:	CSO 980 - LED
Magnification:	3 positions: 10x, 16x, 25x
Cooling:	Air cooled
Size (laser only):	64.7 (H) x 54 (W) x 48.5 (D) cm 25.5" (H) x 21.3" (W) x 19" (D)
Weight (laser only):	24.15 kg 53.1 lbs
Power requirements:	100-240 VAC, 50/60 Hz

AVAILABLE MODELS

Optimis Fusion system
Optimis Fusion and Vitra laser platform
Optimis Fusion and Vitra Multispot laser platform

Specifications are subject to change without notice.

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