

optimis™ FUSION

NEXT GENERATION
SLT/YAG LASER



 **Quante
medical**
BY LUMIBIRD MEDICAL

Integrated SLT/YAG Platform

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 photo-regeneration 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 2 lasers
(SingleSpot/MultiSpot).



SLT

First choice treatment
for managing glaucoma
and lowering IOP.

Repeatable

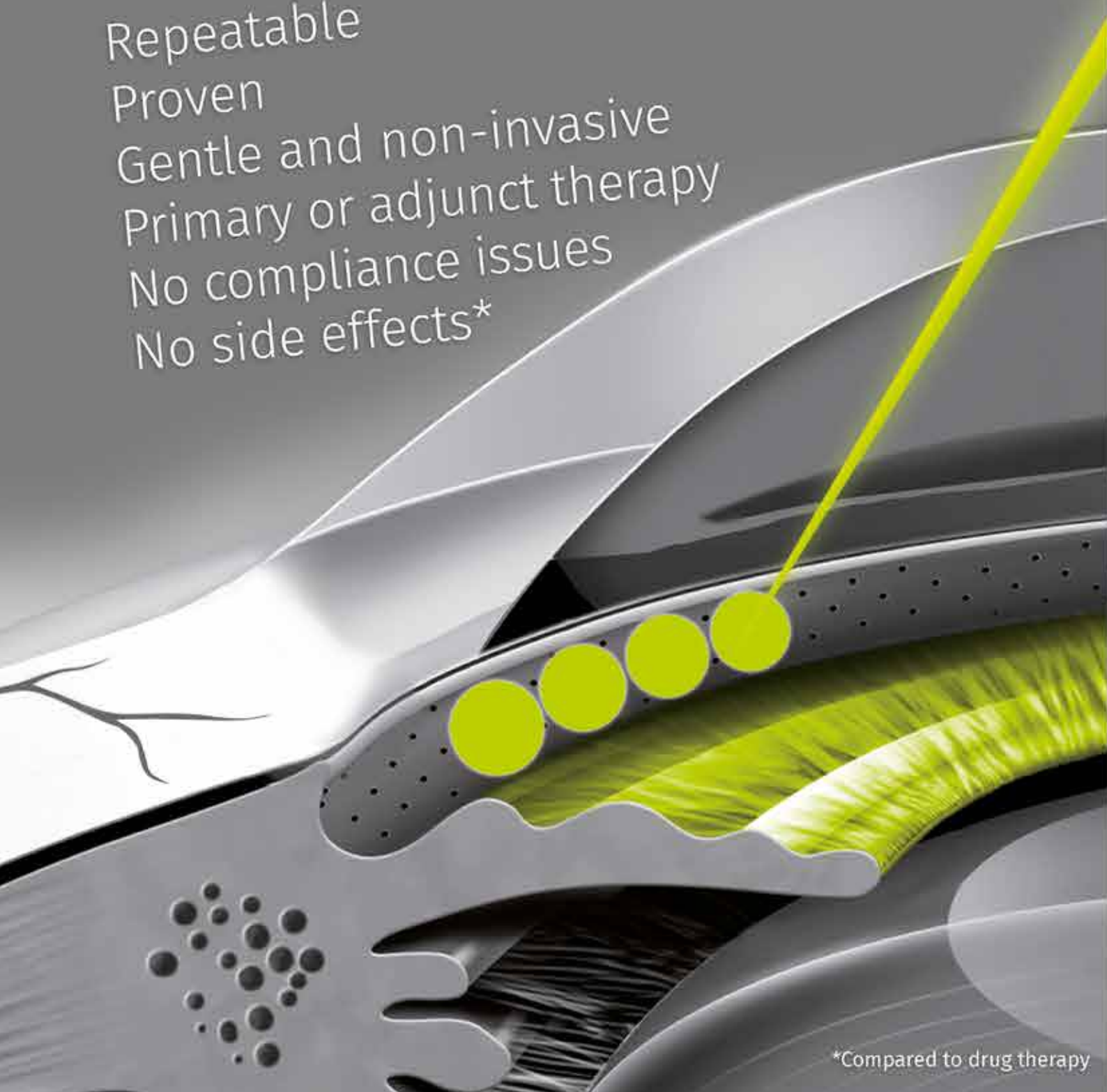
Proven

Gentle and non-invasive

Primary or adjunct therapy

No compliance issues

No side effects*



*Compared to drug therapy

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TECHNICAL SPECIFICATIONS



| | SLT | Nd:YAG |
|---|--------------------------------------|---|
| Laser source: | Q-switched, frequency doubled Nd:YAG | Q-switched Nd:YAG |
| Wavelength: | 532 nm | 1064 nm |
| Energy levels/Power: | 0.3 to 2 mJ | 0.3 to 10 mJ (1 pulse) |
| Pulse duration/Exposure: | 4 ns | 4 ns |
| Spot Size: | 400 microns | 10 microns (86.4% energy in diameter) 8 microns FWHM |
| Repetition rate: | 2.5 Hz | 2 Hz |
| Offset: (Anterior and Posterior) | N/A | -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: | 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, 250 VA, 50/60 Hz |
| Delivery Systems: | N/A |

AVAILABLE MODELS

- Optimis Fusion system
- Optimis Fusion and VITRA 2 SingleSpot laser platform
- Optimis Fusion and VITRA 2 MultiSpot laser platform

Specifications are subject to change without notice.

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