

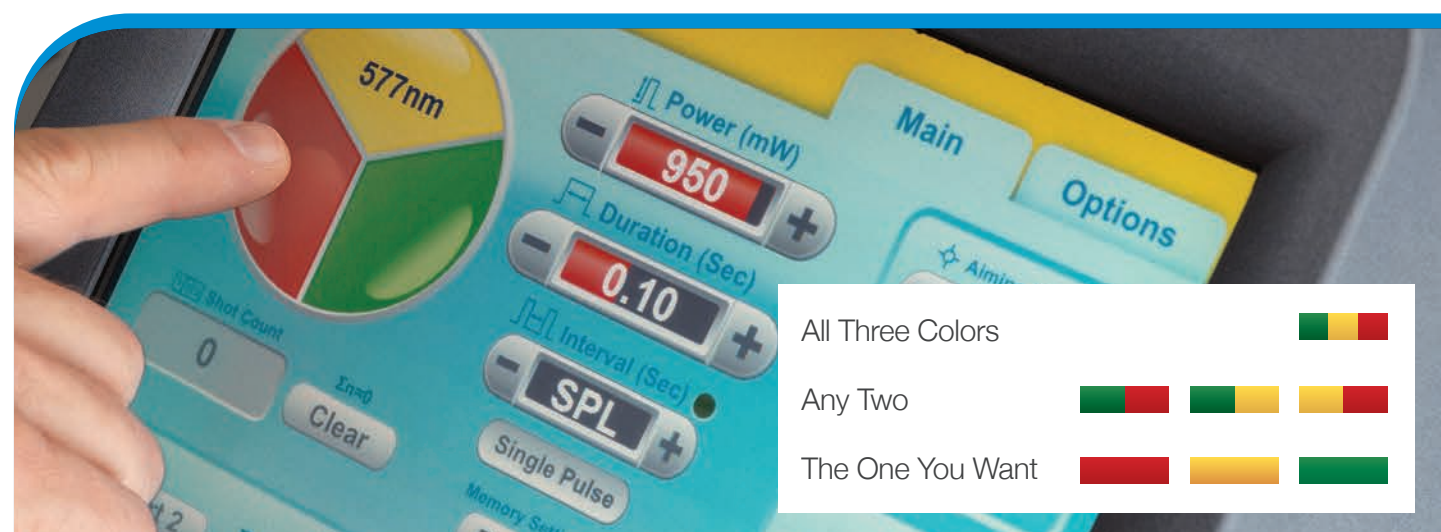
Excellence in Ophthalmic Lasers for More Than 40 Years!

Lumenis is a pioneer in multi-wavelength photocoagulation technology and the global leader in multi-color ophthalmic lasers.

Lumenis has the largest global installed-base of multi-color lasers, and is the 1st choice for general ophthalmologists and retina specialists.

More Colors; More Choices

Customized configuration for optimal clinical outcome



- All Three Colors
- Any Two
- The One You Want

Green (532 nm)

Green (532 nm) is the wavelength of choice for treating a range of retinal diseases (e.g. diabetic macular edema, proliferative retinopathy, etc.), as recommended by the ETDRS and the DRCR network.

It is not recommended for treatment of retinopathy of prematurity (ROP), or in case of severe media opacities such as severe cataract, vitreal hemorrhages, and opaque cornea.

Yellow (577 nm)

Yellow (577 nm) has a better penetration and less scattering compared to green. It is therefore excellent for treating retinal diseases in the presence of severe media opacities.

In addition, due to its high absorption in hemoglobin, it is highly efficient for sealing micro aneurysms. Moreover, due to its null absorption in macular Xanthophyll, it is considered safer for treatment near the fovea. As for green, it is not recommended for treatment of ROP.

Red (659 nm)

Red (659 nm) is not absorbed in hemoglobin, and has better penetration and less scattering compared to both yellow and green. It can therefore be used for treatment of ROP, and also for treatment of deep lesions such as choroidal melanomas and choroidal neovascularization.

Vision One Specifications

Laser System	Optically Pumped Semiconductor Laser (OPSL)
Wavelength	532 nm Green, 577 nm Yellow, 659 nm Red
Pulse Duration	0.01 to 3.0 seconds
Treatment Intervals	0.05 to 1.0 seconds and Single Pulse
Power	532 nm: 50 - 2000 mW 577 nm: 50 - 1500 mW 659 nm: 50 - 800 mW
Spot Size	50 - 1000 µm with LaserLink Z or InSight 50 - 500 µm with H/S LaserLink
Aiming Beam	Contrasting color, adjustable intensity 635 nm nominal, <1.0 mW
Cooling System	Air-cooled, enhanced with thermoelectric cooling
Power Requirements	100-230 VAC ± 10% 50/60 Hz, <10 Amps, Single Phase
Dimensions (Console)	105 cm x 45 cm x 63 cm 42" x 18" x 25" (H x W x D)
Weight	57 kg or 126 lb
Delivery Systems	Lumenis InSight™ Lumenis 1000 LaserLink HS adapter for compatible convergent optics slit lamps LaserLink Z adapter for Zeiss SL130 and 30SL slit lamps Laser Indirect Ophthalmoscope (LIO) Endoprobe Array™ LaserLink™
Standard Accessories	Standard Footswitch, remote control
Optional Accessories	Smart and PowerEase™ Footswitch Comprehensive selection of standard, straight, curved, aspirating, and illuminating endophotocoagulation probes in 20, 23, and 25 gauge sizes Leica® and Zeiss®: moving and fixed safety filters for surgical microscopes

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Vision One

The Next Generation of
Photocoagulation Laser Systems



Vision One with SureSpot™ Optics

Sharply defined and evenly distributed power on the retina;
Safe & low-power density at the cornea and lens

Vision One incorporates SureSpot™ Optics Technology in all slit lamp adapters, as with all Lumenis photocoagulators.

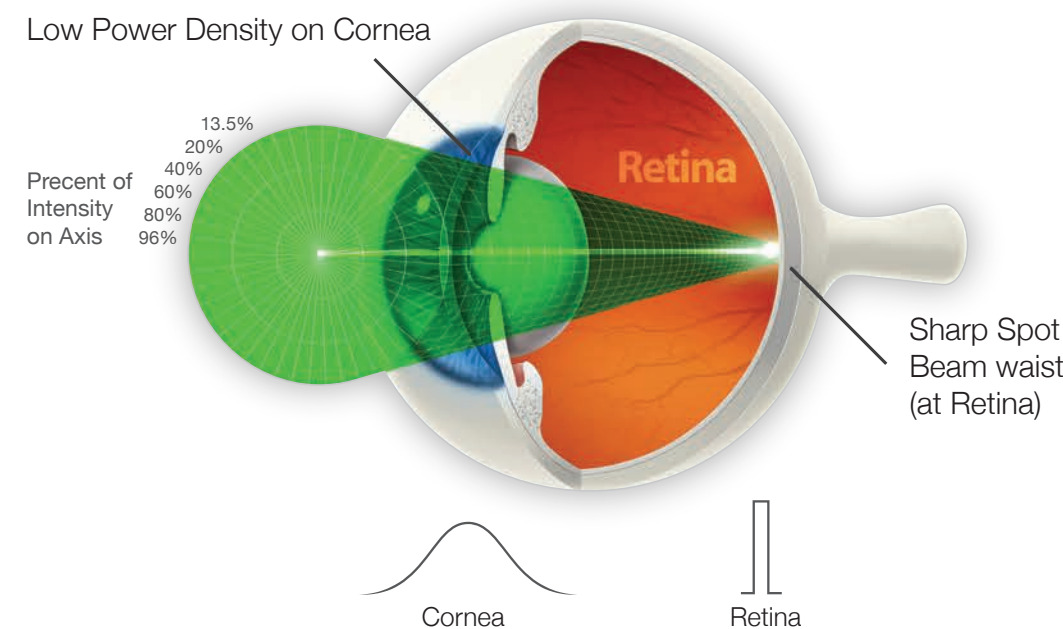
The unique and patented Lumenis SureSpot™ technology ensures that the focal point of the laser beam is maintained on the retina while power density on the cornea and lens is minimized for increased safety.

SureSpot™ optics also creates a 50µ single spot. That capability distinguishes Lumenis technology from other

lasers that may have a 100µ minimum spot size and/or project a fuzzy laser spot on the retina.

SureSpot™ optics improves treatment efficacy and precision while reducing the potential for damage to anterior-segment tissues. The latter occurrence is especially a concern when using wide-angle lenses that enhance light uptake by the cornea and lens.

	Defocus Optics	Lumenis Patented SureSpot™ Optics	Parfocal Optics
Titration	✓	✓	✗
Low Power density on the cornea	✓	✓	✗
Sharp spot on retina	✗	✓	✓



Vision One Your Preferred Choice

Intelligent

Voice Confirmation

A unique feature allowing the user to change key parameters while receiving a vocal confirmation of the choice.

Independent Laser Cavities

CaseSaver™ allows the laser cavities to work independently to provide extra safety during treatment.

Smart™ Fiber Technology

Distinguishes an LIO from an endoprobe or LaserLink™, and automatically adjusts the system power settings accordingly.

It also alerts in cases the eye safety filter, footswitch or delivery device are not properly attached to the laser console.

Optimized View of Treatment Site

Lumenis ClearView™ filters enhance visibility by eliminating color distortion while optimizing white light transmission.

Easy to Use

Touch Screen & Remote Control

- Color touch screen and illuminated remote keypad allows full operation with easy adjustment of parameters and treatment wavelengths.
- PowerEase™ footswitch provides hands-free power adjustment of the laser by toggling left or right within the footswitch housing.
- Smart™ footswitch automatically activates the eye safety filter when detecting foot movement in and out of the footswitch housing.

Dual Fiber Port

Change of delivery devices is fast and easy. Vision One remembers the settings that were last used with each selected delivery device, allowing a smoother transition.

Memory Settings

Five memory settings that can be used to recall commonly used treatment parameters.

Wide Variety of Delivery Devices

Vision One is compatible with a wide variety of accessories and delivery devices – meeting your specific preferences in the outpatient clinic and the OR.

Lumenis Ophthalmology Your Preferred Partner

Lumenis Ophthalmology is the world leader in laser technologies for non-refractive ophthalmic applications. Our company offers the widest range of products, an unparalleled product support system, the largest global installed-base of ophthalmic laser products and the largest investment in research and development in our industry.

Since introducing the first laser photocoagulator to ophthalmology in 1970, Lumenis Ophthalmology has

focused on providing ophthalmologists with innovative laser therapies to preserve and improve the sight of patients worldwide.

Lumenis Ophthalmology is renowned for technological breakthroughs and a long list of industry gold standards. Our company pioneered the first argon laser photocoagulator for ophthalmology; the first approved marketer of Nd:YAG photodisruptor lasers; developed

and introduced the breakthrough technology of multicolor photocoagulation along with the world's first Laser Indirect Ophthalmoscope (LIO); developed and brought to market the revolutionary SLT technology for managing POAG; and more.

Today, Lumenis Ophthalmology offers you the confidence of doing business with a company that is truly committed to ophthalmology and to meeting your needs.

