

# Vision One

The Next Generation of  
Photocoagulation Laser Systems

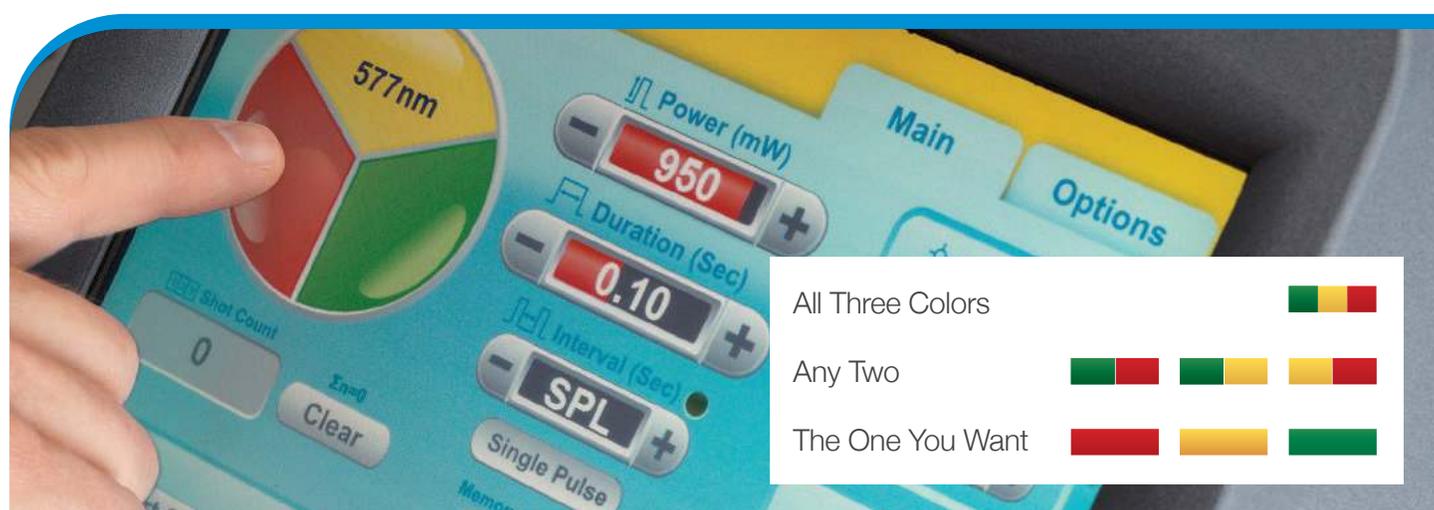


# Excellence in Ophthalmic Lasers for More Than 40 Years!

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

## More Colors; More Choices

Customized configuration for optimal clinical outcome



### ● 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.

**Risks and warnings:** Vision One is intended solely for use by trained physicians. It is contraindicated for eyes with severe media opacities. Risks include increased macular edema and bleeding in areas of neovascularization. Refer to the operator manual for a complete list of intended use, contraindications and risks.

# 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.

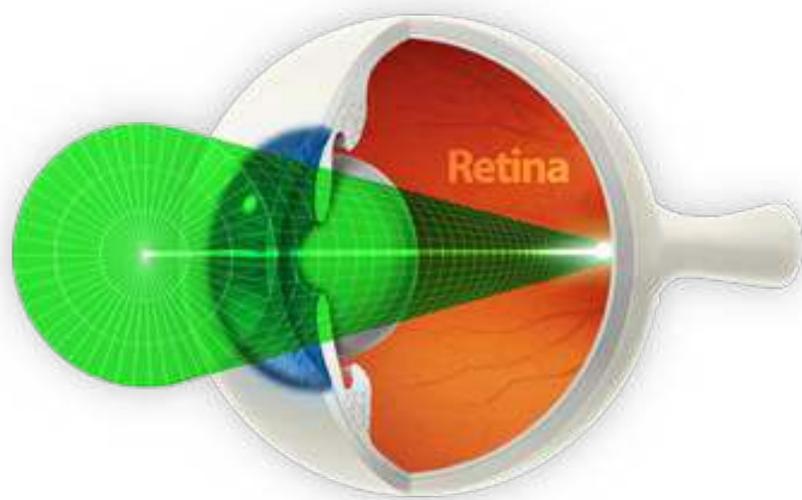
The unique and patented Lumenis SureSpot™ technology ensures that the focal point of the laser beam is maintained on the retina while power density on the cornea and lens is minimized for increased safety.

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.

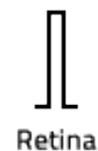
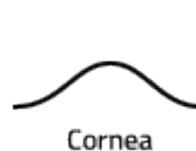
SureSpot™ optics improves treatment efficacy and precision while reducing the potential for damage to anterior-segment tissues. The latter occurrence is especially a concern when using wide-angle lenses that enhance light uptake by the cornea and lens.

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



✓ Safe and Low Power Density on the Cornea and Lens

✓ Sharp Spot Beam Waist on the 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.

## Lumenis Ophthalmology Your Preferred Partner

Lumenis Ophthalmology is one of the world leading companies in non-refractive ophthalmic lasers. It offers a wide range of products with an unparalleled product support system. Lumenis has comprehensive global installed-base and is highly oriented to keep investing in research and development.

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



# 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.

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.



# Vision One Specifications

<b>Laser System</b>	Optically Pumped Semiconductor Laser (OPSL)
<b>Wavelength</b>	532 nm Green, 577 nm Yellow, 659 nm Red
<b>Pulse Duration</b>	0.01 to 3.0 seconds
<b>Treatment Intervals</b>	0.05 to 1.0 seconds and Single Pulse
<b>Power</b>	532 nm: 50 - 2000 mW   577 nm: 50 - 1500 mW   659 nm: 50 - 800 mW
<b>Spot Size</b>	50 - 1000 µm with LaserLink Z or InSight   50 - 500 µm with H/S LaserLink
<b>Aiming Beam</b>	Contrasting color, adjustable intensity 635 nm nominal, <1.0 mW
<b>Cooling System</b>	Air-cooled, enhanced with thermoelectric cooling
<b>Power Requirements</b>	100-230 VAC ± 10% 50/60 Hz, <10 Amps, Single Phase
<b>Dimensions (Console)</b>	105 cm x 45 cm x 63 cm   42" x 18" x 25" (H x W x D)
<b>Weight</b>	57 kg or 126 lb
<b>Delivery Systems</b>	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™
<b>Standard Accessories</b>	Standard Footswitch, remote control
<b>Optional Accessories</b>	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

Lumenis® Certified Service | USA Toll-free 1-877-LUMENIS (1-877-586-3647)

Manufactured by Lumenis Inc.  
1870 South Milestone Drive  
Salt Lake City, UT 84104 USA  
Tel +801-656-2300  
Fax +801-656-2429

Lumenis (Germany) GmbH  
Heinrich-Hertz-Str 3 D-63303  
Dreieich-Dreieichenhain  
GERMANY  
Tel +49 (0) 6103 8335 0

**AMERICAS**  
San Jose, CA, USA  
Tel +1 408 764 3000  
+1 877 586 3647  
Fax +1 408 764 3999

**EMEA**  
Dreieich Dreieichenhain,  
Germany  
Tel +49 6103 8335 0  
Fax +49 6103 8335 300  
Roma (RM), Italy  
Tel +39 06 90 75 230  
Fax +39 06 90 75 269  
Hertfordshire, UK  
Tel +44 20 8736 4110  
Fax +44 20 8736 4119

**JAPAN**  
Tokyo, Japan  
Tel +81 3 4431 8300  
Fax +81 3 4431 8301

**ASIA / PACIFIC**  
Beijing, China  
Tel +86 10 5737 6677  
Gurgaon, India  
Tel +91 124 422 07 95  
Kowloon, Hong Kong  
Tel +852 217 428 00  
Fax +852 272 251 51



ISO 13485 CERTIFIED

[www.lumenis.com/Ophthalmology](http://www.lumenis.com/Ophthalmology)

© 2017 All Rights Reserved. The Lumenis Group of Companies. PB-2005743 Rev B

