

# Celebrating 50 years of innovation with the launch of the new retinal care photocoagulator



1970: Lumenis (previously Coherent) introduced the first argon laser photocoagulator in ophthalmology.

2016: Lumenis proudly launches the new retinal care portfolio, starring Smart 532™, the new green photocoagulator with SmartPulse™.

## Smart 532™ Specifications

Wavelength	532 nm Green
Weight	4 kg (8.82 lbs)
Dimensions	26.3 cm L x 29.5 m W x 13.7 cm H (10.4 in x 11.6 in x 5.4 in)
Dual Port	FC and SMA connectors, Resistor type
Power Requirements	100-240 VAC, 50/60 Hz, Single phase
Cooling System	Air/TEC cooled
CW Pulse Duration	5 ms - 3,000 ms
CW Pulse Interval	10 ms - 1,500 ms or single pulse
SmartPulse™ Duration	0.05 ms - 0.5 ms
SmartPulse™ Interval	0.3 ms - 10 ms or single pulse
SmartPulse™ Duty Cycle	5% / 10% / 15%
Aiming Beam Laser	Diode laser, 635 nm nominal; Intensity: 5 levels up to 1 mW
System Power Output	0 - 2,000 mW
Delivery Devices	Converging Optics Laser Link - Lumenis 1000   Lumenis 990   Lumenis 980   Zeiss 30SL   Zeiss SL130   Zeiss 30SL Zeiss SL130   Haag Streit 900BQ Lumenis Array LaserLink™ Smart Selecta Duet
Available Accessories	Physician eye safety filters for all listed slit lamps Single and Dual Endo Kits for Zeiss / Leica / Wild microscopes LIO (Keeler® and Heine® models) Standard, PowerEase or Smart Footswitch

# Smart532

The SmartPulse™ of Retinal Care

## 532nm Photocoagulator with SmartPulse™



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Rx ONLY

The Smart532™ is approved for sale in the US market. Pending CE approval.

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

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

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# Smart532

The SmartPulse™ of Retinal Care

Smart 532™ is the newest photocoagulator by Lumenis, with SmartPulse™ sub-threshold technology.

Continuous wave and SmartPulse™ sub-threshold technology

Compact and lightweight

Superior laser stability due to advanced laser cavity technology

Exclusive and intuitive user interface

SureSpot™ optics technology ensures sharply defined power on the retina with safe and low density power on the cornea.

100% Lumenis Technology

25 programmable user pre-sets

Voice confirmation mode enables the physician to keep eyes on the patient while changing settings during treatment

Dual port designed to best fit the clinic



## Smart 532™ Platforms



### Pattern Scanning Laser Technology in CW and SmartPulse™

The Array™ LaserLink™ offers advanced pattern scanning capabilities compatible with all Lumenis laser systems and popular slit lamps, wavelength versatility, diverse adjustable patterns and a wide range of laser spot sizes.

Pattern scanning provides enhanced laser application uniformity, shortens treatment time, and offers more patient comfort.



### Smart SELECTA Trio

SLT + YAG + Smart532

The smart Selecta Trio offers the comprehensive solution to the ophthalmic practice, allowing glaucoma, cataract and retinal therapy in a single platform. The smart Selecta Trio combines the advantages of SLT, YAG and photocoagulation, all developed and brought to market by Lumenis.

The unit's integrated design, enhanced optics and advanced laser cavity make it a high performing laser product that offers maximal flexibility with minimal footprint.



## Delivery Devices



### Advanced Laser Indirect Ophthalmoscope\*

The new Smart LIO™ is a wireless multi-color Laser Indirect Ophthalmoscope (LIO) that supports three wavelengths (green, yellow and red).

The LED illumination, provides brighter, whiter illumination, longer battery life and LED life expectancy of up to 10,000 hours.

\*Approved for sale in the US market only



### Ophthalmic Endo-Ocular Probes

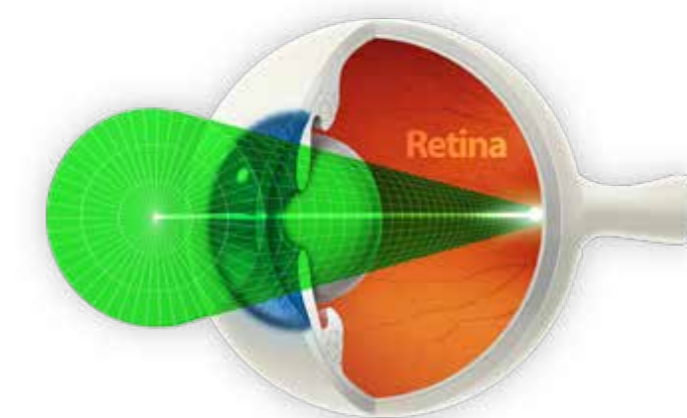
The LumeProbe™ product family was designed to deliver laser energy in the safest and most efficient manner, guaranteeing optimal clinical outcomes for all relevant vitreoretinal indications.

Gauge: 20, 23, 25.  
Types: Straight, Curved and Aspirating (multifunctional)



## Enhanced Patient Safety

### SureSpot™ Patented Technology



- ✓ Safe and Low Power Density on the Cornea and Lens
- ✓ Sharp Spot Beam Waist on the Retina

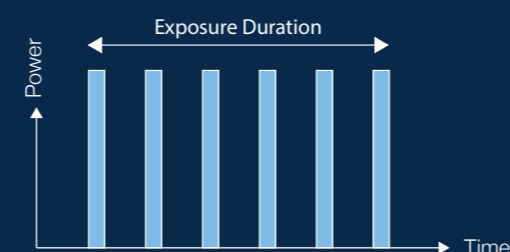


## What is SmartPulse™ Technology?

SmartPulse™ is a tissue-sparing solution for the treatment of retinal diseases, that allows sub-threshold retinal treatment.

Lumenis SmartPulse™ is integrated in the Smart 532™ system, to offer maximal efficacy with minimal collateral damage.

### SmartPulse™ Mode



*"Sub-threshold laser photocoagulation is a safe and effective complement to our armamentarium. It allows me to decrease the treatment burden on our patients while producing excellent and often long-term results."*

*"With our growing experience in targeted combination therapy for our patients, the Lumenis SmartPulse™ has been a vital addition to my practice"*

Caesar K. Luo, MD