


solitaire™

versatile green laser
for the operating room
and clinic



Solitaire™ is a full-featured, portable green laser with a true continuous wave laser beam and real-time energy control, offering consistently better performance in the treatment of retinal disease.



**Designed for
versatility in the
operating room
and clinic.**

Solitaire™ can be configured for the clinic, the operating room, or both – with dual fiber ports, programmable procedure memory, and compatibility with a wide variety of industry-standard slit lamp and surgical microscope delivery systems.

30XL™

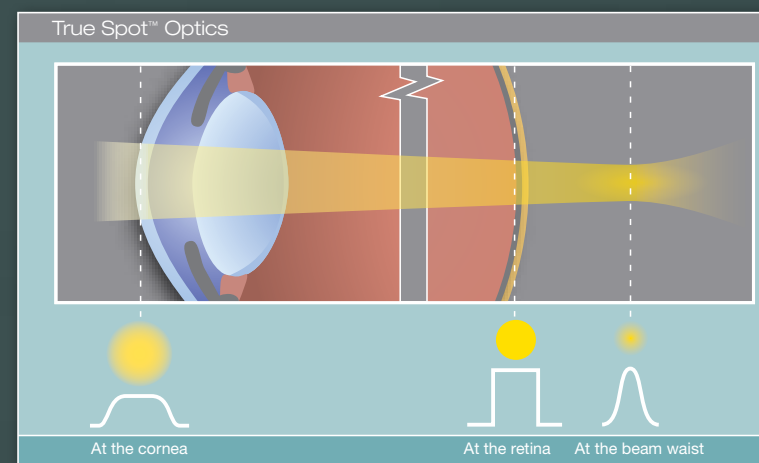
The Ellex 30XL™ laser slit lamp combines a unique 10-degree convergence angle of viewing paths with high-resolution optics to create better depth perception and an improved stereo angle for superior peripheral retina viewing.

Magnification:	5x, 8x, 12.5x, 20x, 31x with 12.5x eyepieces (±5 D compensation range)
Field of View:	45-7 mm in diameter
Stereoscopic Angle:	10 degrees
Working Distance:	119 mm, exit prism/patient's eye
Illumination:	12 V, 30 W halogen lamp, more than 150,000 lux
Brightness:	continuously adjustable
Slit Width:	0-10 mm, continuously adjustable
Slit Rotation:	±90 degrees
Weight:	14 kg, 31 lbs.
Slit Decentration:	±7 degrees horizontal
Filters:	Heat Absorb (HA); Red-Free (G); Cobalt Blue (B)



1 True Spot™ Optics

All slit lamp adapters for Solitaire™ feature the True Spot™ optical system, which allows you to perform treatment with a uniform, sharp-edged top-hat beam on the retina with the added benefit of low power density at the cornea. It also allows you to select any spot size, ranging from 50 to 1000 microns.



2 Easy Recall and Fast Set-Up

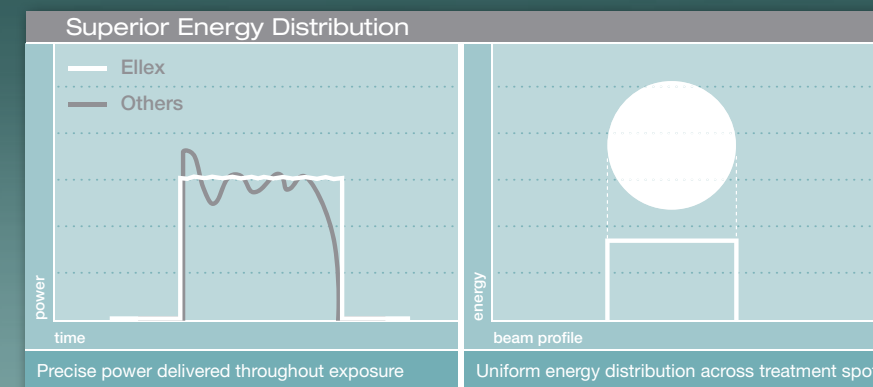
Solitaire™ features a programmable procedure memory that allows you to pre-set and store three different sets of parameters, which are quickly and easily accessed from the front panel of the system.

3 Switch While Staying Connected

Solitaire's optional dual fiber ports allow you to easily switch between two delivery systems without disconnecting and connecting fibers to the laser console.

4 Superior Energy Distribution

Solitaire™ delivers even energy across the full diameter of the spot, from the beginning to the end of exposure, without creating hot spots. This is because we use the highest quality optics and laser components in the industry, with real-time, active light feedback that continuously monitors and adjusts power output throughout each exposure.



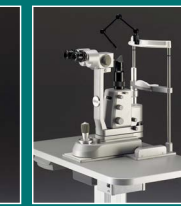
5 Clinic Solution

30XL™ Laser Slit Lamp: unique, 10-degree convergence angle viewing path and high-resolution optics to provide optimal illumination of the fundus and superior peripheral viewing.

True Spot™ Optics: uniform, sharp-edge top-hat beam on retina with low power density at the cornea.



30XL Slit Lamp



Slit Lamp Adapters
(to suit Zeiss, Haag Streit and clones)



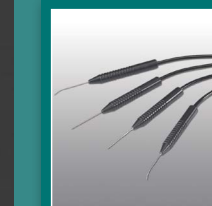
Endo Probes
Laser Indirect Ophthalmoscope

6 OR Solution

Dual Port Configuration: switch between endo probe and LIO with the push of a button.

Procedure Memory: quick procedures with pre-programmed settings.

Power Control™ Footswitch: hands-free power adjustment.



Endo Probes



Laser Indirect Ophthalmoscope



High Visibility Eye Safety Filter



Power Control™ Footswitch





One Powerful Vision

Accessories and Options

Slit Lamp Adapters

Wide range of adapters to suit Ellex 30XL™, Zeiss 30SL and SL130, Haag-Streit 900BM/BQ and similar slit lamps.



Laser Indirect Ophthalmoscope (LIO)

This lightweight-design LIO is based on the Heine Omega 180 binocular indirect ophthalmoscope, with coaxial laser beam and illumination.



Endo Probes

Endo probes (straight, curved, aspirating and illuminating) and operating room microscope safety filters (fixed, motorized and dual motorized) to suit most Zeiss, Leica, Moeller-Wedel, Wild and Topcon models.



High-Visibility Eye Safety Filter

The eye safety filter features a custom high-quality coating that ensures a clear, color-balanced view while ensuring optimal protection from the treatment beam.



Cart

Custom mobile cart to provide easy access and storage for accessories.



Indications for Use

Retina Retinal Photocoagulation

Glaucoma Laser Trabeculoplasty
Laser Iridotomy

Product Specifications

Laser Source	diode pumped solid-state
Wavelength	green: 532 nm
Power Delivered	
Single Port Configuration	slit lamp: 50 - 1200 mW endo probe: 50 - 1500 mW
Dual Port Configuration	slit lamp: 50 - 1500 mW endo probe: 50 - 2000 mW
Exposure Time	0.01 to 4.0 seconds
Repeat Mode	up to 20 Hertz
Aiming Beam	red 635 nm, adjustable intensity
Electrical Requirements	100–240 VAC, 50/60 Hz, 800 VA
Cooling	air cooled
Weight	7.4kg, 17 lbs. (console only)
Dimensions (HxWxD)	14 x 28 x 37 cm, 5.5 x 11 x 15 inches (console only)
Delivery Systems	Ellex 30XL™ laser slit lamp, slit lamp adapters to suit Haag-Streit 900BM/BQ, Zeiss SL130 and 30SL, and similar slit lamps, Laser Indirect Ophthalmoscope, endo probes and operating room microscope safety filters
Standard Accessories	footswitch, safety glasses, laser safety sign
Optional Accessories	Power Control™ footswitch, photocoagulator laser lenses, tonometer mount for Haag-Streit and similar slit lamps, beam splitter, co-observation tube, camera adapter for various slit lamps, transport case

Specifications are subject to change without notice.

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