



| VERSATILE, SOLID-STATE PHOTOCOAGULATOR |

solitaire™

Full-featured,  
portable green  
laser for clinics and  
operating rooms.



solitaire™

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The Ellex Solitaire is a full-featured, solid-state green laser system that is portable and versatile for use in both clinics and operating rooms. Compact and efficient, it is designed for use with a wide variety of industry-standard delivery systems and accessories. The Solitaire incorporates a true continuous wave laser beam and real-time energy

control that ensures consistent energy is delivered throughout the selected exposure time. The Solitaire can be configured with a dual fiber port that allows two delivery systems to be connected at the same time, as well as three memory options to store frequently used procedure settings.



**Indications for use**

**Retina** Transpupillary Retinal Photocoagulation  
Intravitreal Endophotocoagulation

**Glaucoma** Laser Trabeculoplasty  
Laser Iridotomy

**Why You Should Buy Your Laser from Ellex**

Ellex engineered its first high-performance ophthalmic laser in 1985, and today is the only laser manufacturer focused solely on the ophthalmic market. Ellex manufactures and sells a complete line of solid-state laser systems for treating cataract, retina and glaucoma patients. In all, more than 12,000 Ellex-manufactured lasers are in use worldwide.

## Why the Solitaire design is superior

### Optional Dual Fiber Ports

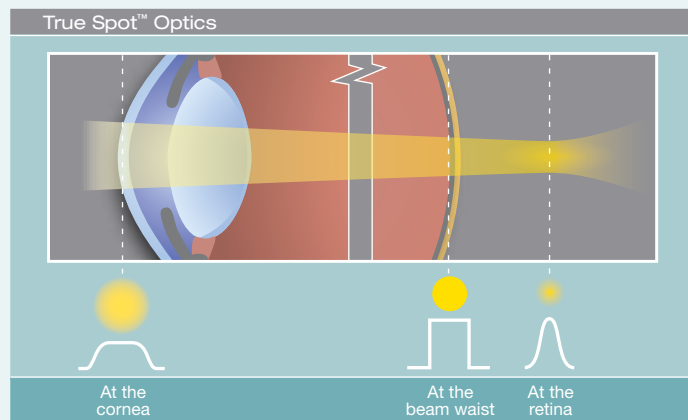
This option allows the operator to easily switch between two delivery systems without disconnecting and connecting fibers to the laser console.

### Programmable Procedure Memory

For easy recall and faster set up, the Solitaire remembers three programmable sets of parameters that are accessed on the front panel.

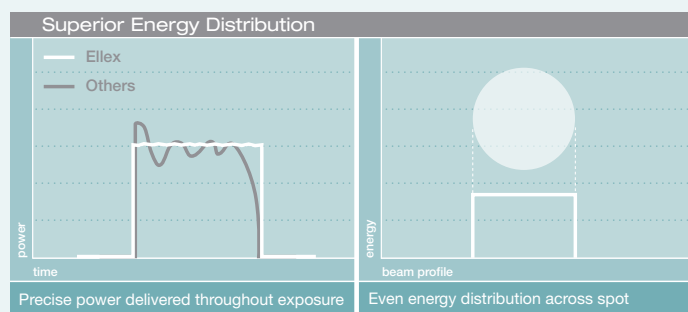
### True Spot™ Optics in All Slit Lamp Adapters

The True Spot™ optical system offers a uniform, sharp-edged top-hat beam on the retina, providing the benefits of a parfocal system, with the added comfort of low power density at the cornea.



### Superior Energy Distribution

Ellex lasers are manufactured with the highest quality optics and laser components available in the industry, with real-time, energy control that continuously monitors and adjusts power output throughout each exposure. The result is even energy delivery from beginning to end of exposure, across the full diameter of the spot, without creating hot spots.





Our sole focus is ophthalmology. Our technology is extraordinary.

## Solitaire Features and Options



### Slit Lamp Adapters

Adapt to Ellex 30XL, Zeiss 30SL and SL130, Haag-Streit 900BM/BQ, and similar slit lamps.



### 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.



### Laser Indirect Ophthalmoscope (LIO)

Lightweight design based on the Heine Omega 180 binocular indirect ophthalmoscope with coaxial laser beam and illumination.



**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.

### Power Control™ footswitch

Energy can be increased or decreased using the footswitch, while maintaining visual focus on the target and hand control over the slit lamp.

### High-visibility eye safety filter

Custom notch coating provides a clear view while protecting the operator from the treatment beam.

## Product Specifications

Laser Source	diode-pumped solid-state
Wavelength	green: 532 nm
Power Delivered	
Single Port System	max output power: 1650 mW slit lamp: 50 – 1200 mW endoprobe: 50 – 1500 mW
Dual Port System	max output power: 2200 mW slit lamp: 50 – 1500 mW endoprobe: 50 – 2000 mW
Exposure Time	0.01 to 4.0 seconds
Spot Size	50 to 1000 microns, continuously variable
Repeat Mode	up to 10 hertz
Aiming Beam	red diode, adjustable intensity
Cooling	air cooled
Electrical Requirements	100-240 VAC, 50/60 Hz, 800 VA
Weight	8.5kg, 19 lbs. (as shown)
Dimensions (HxWxD)	12 x 28 x 33 cm, 5 x 11 x 13 inches (as shown)
Delivery Systems	Ellex 30XL laser slit lamp, slit lamp adapters to adapt to Haag-Streit 900BM/BQ, Zeiss SL130 and 30SL, and similar slit lamps, Laser Indirect Ophthalmoscope (LIO), 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
Standard Accessories	footswitch, safety glasses, laser safety sign, transport case
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

Specifications are subject to change without notice.

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