

| RED AND GREEN SOLID-STATE PHOTOCOAGULATOR |

integreduo[™]

The first solid-state photocoagulator to combine visible red and green wavelengths.



The Integre Duo is the first solid-state photocoagulator to deliver clinically proven 670 nm red and 532 nm green wavelengths. This advanced laser system makes it possible to instantly switch between red and green wavelengths for seamless retina treatments. This not only maximizes treatment options, but ensures effective patient results.

For common procedures like retinal photocoagulation, laser trabeculoplasty and iridotomy, the Integre Duo's green wavelength provides the standard of care. The red wavelength produces less scatter for better transmission through a cloudy cornea or lens, provides deeper penetration for effective treatment of choroidal vessels, and enables the physician to treat in the presence of a minor hemorrhage.



Indications for use

Retina Retinal Photocoagulation

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.

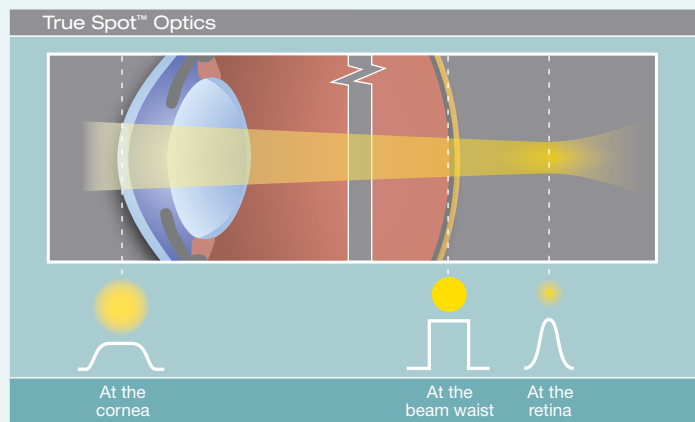
Why the Integre Duo design is superior

Built-In, Fully Integrated Design

Ellex's fully integrated design optimizes laser treatment and provides a number of advantages, including a shorter travel distance for the laser beam and more stable, reliable and consistent delivery of energy. The Integre Duo's compact, efficient design creates more working space for the physician, as well as convenient, simultaneous access to the patient and laser controls.

True Spot™ Optics

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.

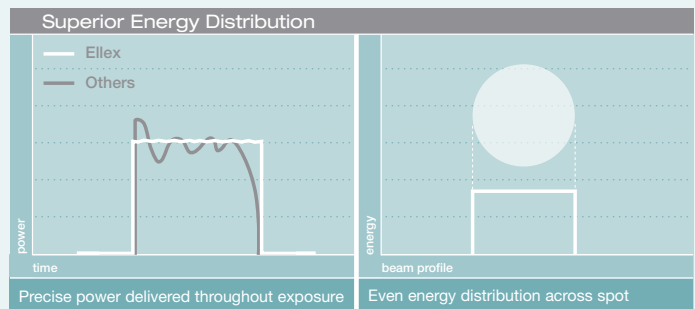


Single Pump Dual Cavity Design*

The Ellex design team capitalized on 20 years of ophthalmic laser innovation to create a multi-color photocoagulator that incorporates a number of laser industry firsts. These include a unique single pump, dual cavity specifically designed to make photocoagulation procedures as effective as possible. In addition, the laser cavity has been combined with the slit lamp and other system components to ensure efficient delivery of the laser energy and maintain stable alignment.

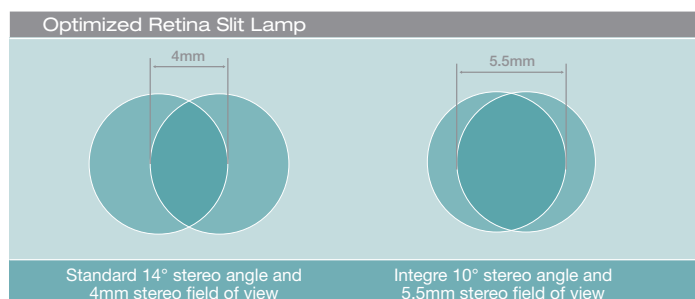
Superior Energy Distribution

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.



Optimized Retina Slit Lamp

The Integre Duo 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 viewing.





Our sole focus is ophthalmology. Our technology is extraordinary.

Integre Duo Features and Options



Power Control™ footswitch

Increase or decrease energy while maintaining hands-on control of the slit lamp.



Laser Indirect Ophthalmoscope (LIO)

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

Total Solution™ tables

Ellex Total Solution tables are designed to meet the needs of any environment.

High-visibility eye safety filter

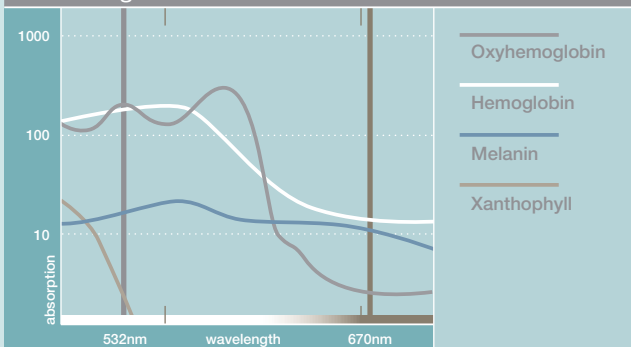
Custom notch coating provides a clear view while protecting the operator from the treatment beam.

Product Specifications

Laser Source	single diode, dual cavity, solid-state
Wavelength	red: 670 nm, green: 532 nm
Power to the Cornea	red: 1 watt, green: 1.5 watts
Exposure Time	0.01 to 4 seconds
Spot Size	50 to 1000 microns, continuously variable
Repeat Mode	up to 10 hertz
Aiming Beam	red diode, adjustable intensity
Micromanipulator	ambidextrous, vibration damped
Magnification	6x, 10x, 16x, 28x, 45x
Cooling	air cooled
Electrical Requirements	100-240 VAC, 50/60 Hz, 800 VA
Weight	51 kg, 112 lbs. (as shown)
Dimensions (HxWxD)	140 x 92 x 51 cm, 55 x 36 x 20 inches (as shown)
Standard Accessories	footswitch, Total Solution™ tables, remote control, safety glasses, laser safety sign, dust cover, motorized safety filter
Optional Accessories	LIO, beam splitter, co-observation tube, 35mm camera adapter, video camera adapter, transport cases, photocoagulation laser lenses, tonometer mount, Power Control™ footswitch

Specifications are subject to change without notice.

Wavelength Clinical Characteristics



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*Patent Pending



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