Laser indirect ophthalmoscope (optional accessory)
Ellex dual-color LIO connects to the Integre Pro’s second port. This allows for instant switching between the LIO and all other multimodal features, and concurrently transmits live images.

Wheelchair accessible, mobile table (standard accessory)
Provides maximum accessibility and mobility in a compact design.

Integrated, high visibility eye safety filter (standard accessory)
Custom high-quality coating provides clear view while protecting the operator from the treatment beam.

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**Laser Source**
Diode pumped solid-state (DPSS) dual cavity

**Wavelength**
- Yellow: 561nm
- Red: 670nm

**Power to the cornea**
- Yellow: up to 1.5 watts
- Red: up to 1 watt

**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, 635nm, adjustable intensity

**Magnification**
- 6x
- 10x
- 16x
- 28x
- 45x

**Cooling**
Air cooled

**Electrical requirements**
- Voltage: 100-240 VAC, 50/60 Hz
- Power: 800VA

**Weight**
53kg, 117lbs.

**Dimensions (HxWxD)**
144 x 78 x 47 cm, 57 x 31 x 19 inches

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**Standard Accessories**
- Foldable footswitch
- Total Solution™ table
- Safety glasses
- Laser safety sign
- Dust cover
- Motorized safety filter
- Color remote control

**Optional Accessories**
- Laser indirect ophthalmoscope (LIO)
- Co-observation tube
- 35mm camera adapter
- Video camera adapter
- Photocoagulation laser lenses
- Tonometer mount
- Power Control™ footswitch

Specifications are subject to change without notice.

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Integrated, high-power multi-color photocoagulator
INTEGRATED, HIGH-POWER MULTICOLOR PHOTOCOAGULATOR

Two Colors with the Power of Three.

The Integre Pro is the only multi-color laser with a high-power selection of yellow and red wavelengths. It delivers the full treatment spectrum of traditional three-color photococoagulators in a compact, highly efficient design.

Greater efficiency at the touch of a button

The Integre Pro’s proprietary single pump, dual-cavity design allows the physician to instantly switch between yellow and red wavelengths at the push of a button. The system also has a second fiber port that can be used to connect a laser indirect ophthalmoscope (LIO). This eliminates the need to reorient fibers to the laser console in mid-treatment.

In combination with a high-power output of up to 1.5 watts, the yellow wavelength penetrates through turbid fluids, pigmentary disturbances, cataracts and choroidal neovascularization. It is suitable for performing all common 514/532nm green laser procedures, including iridotomies and laser trabeculoplasty.

The 670nm red wavelength features even better scatter characteristics than the yellow. Low absorption by hemoglobin improves the transmission of this wavelength through minor hemorrhages, and it is well absorbed by the retinal pigment epithelium and choroidal melanocytes. The results are gentle, deep retinal tissue penetration and effective treatment of choroidal vessels.

Optimized retina slit lamp

The Integre Pro features a premium slit lamp that combines a 10-degree convergence angle of viewing paths with high-resolution optics. The result is excellent depth perception and an improved stereo angle for superior peripheral viewing. Both the aiming and treatment beams are precisely guided by the system’s integrated, self-centering micromanipulator.

The Ellex TrueSpot™ optical system, which creates a uniform, sharp-edged beam on the retina, combines the advantages of a parfocal design with the added benefit of low power density at the cornea.

Flexible, fully integrated design

The laser console of the Integre Pro is so completely integrated with the slit lamp, it is virtually invisible. Control limits on both sides of the slit lamp tower ensure convenient access, while an overall shorter optical pathway results in more stable optical alignment. In addition, the absence of visible, exposed cables and adapters eliminates the risk of costly fiber breakage.

On-demand system control

In addition to the ambidextrous laser controls on the slit lamp, there are several ways to control key settings with speed and ease. Features include:

• Acoustically controlled 2D joystick user-friendly interface.
• One-touch laser power wavelength selection.
• Threading system for up to 20 procedures to ensure quick access to key settings.
• AIPowerControl™ joystick that can be used to adjust critical parameters without disturbing the physician’s view of the retina.

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