

Multi-color scanning photocoagulation – like you have never experienced before.

Integre Pro Scan™ has established a new benchmark in retinal laser technology, combining multi-color photocoagulation and pattern scanning in an ergonomic, all-in-one laser/slit lamp design. A proprietary ZenTec™ cavity and advanced optical system also ensure precise titration and homogenous burns for predictable, consistent treatment outcomes.



integreproscan™

Accessories

Track Pad

The easy-to-use Track Pad allows adjustment of pattern size, position and orientation without the need to remove your eyes from the oculars.

Power Control™ Footswitch (optional accessory)

Adjust power levels while maintaining hands-on control of the slit lamp/laser – without disturbing your view of the retina.

Laser Indirect Ophthalmoscope (LIO) (optional accessory)

Dual-color, lightweight-design based on the Heine Omega 180 binocular indirect ophthalmoscope, with coaxial laser beam and illumination. Connects to the second external fiber port.

Total Solution™ Tables

Configured to meet your needs, Integre Pro Scan™ can be combined with the Total Solution™ table range in order to meet the needs of ophthalmic offices, ambulatory surgery centers and hospital outpatient clinics.

High-Visibility Eye Safety Filter (Motorized)

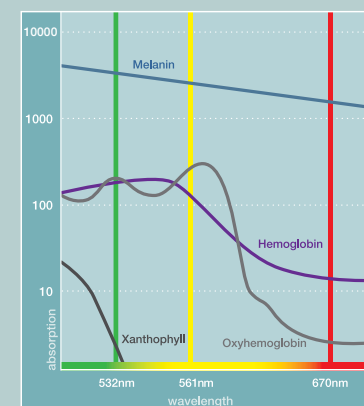
Motorized eye safety filter features a custom high-quality coating for a clear, color-balanced view while ensuring optimal protection from the treatment beam.

Wavelength Characteristics

561 nm Yellow: maximal absorption in hemoglobin with negligible absorption in macular xanthophyll.

670 nm Red: deep, gentle penetration for effective treatment of choroidal vessels.

532 nm Green: the standard of care for common procedures, such as panretinal photocoagulation.



Intended Use

Retina	Retinal Photocoagulation
Glaucoma	Laser Trabeculoplasty, Laser Iridotomy

Product Specifications

Laser Source	solid-state laser diode and cavity (ZenTec™)
Wavelength	yellow-red configuration: 561 nm and 670 nm green-red configuration: 532 nm and 670 nm yellow configuration: 561 nm green configuration: 532 nm
Power at the Cornea	yellow: 50 - 1500 mW; red: 50 - 1000 mW; green: 50 - 1500 mW
Exposure Time	0.01 to 8.0 seconds
Patterns	Linear (2 to 7 spots) Rectangle (2x3, 2x4, 2x5, 2x6, 2x7) Square (2x2, 3x3, 4x4, 5x5, 6x6) Triangle (3, 6, 10, 15, 21 and 28 spots) Circle - Filled (7, 12, 19, 27, 37 spots) Circle - Empty (12, 18, 24 and 30 spots) Single Half Circle (4, 7 and 10 spots) Double Half Circle (11, 17 and 23 spots) Circle Sector 60 (3 to 7 spots) Circle Sector 120 (5, 7, 9 and 11 spots) Double Circle Sector 60 (5, 7, 9, 11 and 13 spots) Double Circle Sector 120 (8, 12, 16 and 20 spots) Variable Curve, Double Curve and Filled Sector

Spot Size	Pattern: 100 to 500 µm, continuously variable Single Spot: 50 to 1000 µm, continuously variable
Spot Spacing	0 (touching), 0.25, 0.5, 0.75, 1.0, 1.25, 1.5, 1.75, 2.0 burn-width
Pulse Duration	Pattern: 10, 20, 30 ms; Single Spot: 10 – 8000 ms
Repeat Mode	Pattern: N/A; Single Spot: 50 – 1000 ms
Aiming Beam	red 635 nm, adjustable intensity
Magnification	6x, 10x, 16x, 25x, 40x
Electrical Requirements	100–240 VAC, 50/60 Hz, 800 VA
Weight	32kg, 71 lbs. (as shown)
Dimensions (HxWxD)	62 x 76 x 47 cm, 24 x 30 x 19 inches (laser system only)
Standard Accessories	Tablet, Track Pad, Total Solution™ table, footswitch, dust cover, motorized eye safety filter, safety glasses, laser safety sign
Optional Accessories	LIO, Power Control™ footswitch, beam splitter, co-observation tube, 35mm camera adapter, video camera adapter, laser lenses

Specifications are subject to change without notice.
© 2015, Ellex Medical Pty Ltd. Integre Pro Scan, Zen Tec, Total Solution and Power Control are trademarks of Ellex Medical Pty Ltd. Ellex is a registered trademark of Ellex Medical Pty Ltd. International patents pending and/or granted. E&OE. P30018A.



ellex.com

Headquarters
82 Gilbert Street
Adelaide, SA, 5000 AUSTRALIA
+61 8 8104 5200

Japan
4-3-7 Miyahara 4F, Yodogawa-ku
Osaka 532-0003 JAPAN
+81 6 6396 2250

USA
7138 Shady Oak Road
Minneapolis, MN, 55344 USA
800 824 7444

Germany
ZPO Floor 1, Carl-Scheele-Str. 16
12489 Berlin GERMANY
+49 30 6392896 00

Australia
82 Gilbert Street
Adelaide, SA, 5000 AUSTRALIA
+61 8 8104 5264

France
La Chaufferie - 555 chemin du bois
69140 Rillieux la Pape FRANCE
+33 4 8291 0460



integreproscan™

Integre Pro Scan™ combines multi-color photocoagulation with pattern scanning in our unique all-in-one laser/slit lamp design with the added benefit of greater treatment consistency, shot to shot.

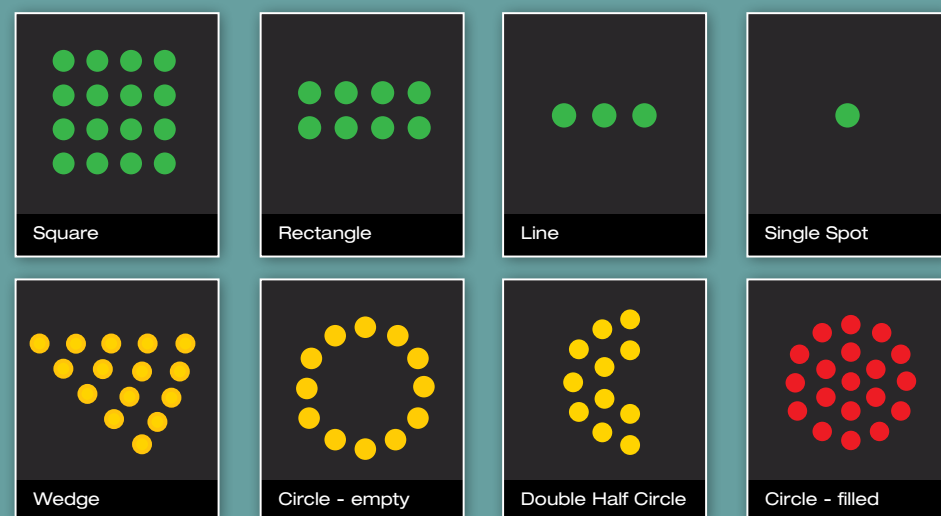
A Pattern and Wavelength for Every Pathology

Whether accurately positioning focal treatment in the macular area, or performing PRP in the periphery, Integre Pro Scan™ provides a pattern and wavelength for every pathology.

The system offers a comprehensive array of pattern combinations: shape, size, and rotation can be fully customized in order to best meet your clinical requirements. Patterns of up to 16 spots can be delivered sequentially, as well as single spots. In addition, the system's computer-controlled operation ensures precise pattern spacing and consistent shaping of laser spots and patterns for more accurate, consistent treatment results.

Integre Pro Scan™ also provides a number of wavelength configurations, including two dual-wavelength configurations. This includes a high-power yellow and red configuration that delivers the full treatment spectrum of a traditional three-color multi-color photocoagulator.

Pattern Selection



Wavelength Selection

- ● Yellow-Red Configuration (561 nm and 670 nm)
- ● Green-Red Configuration (532 nm and 670 nm)
- Yellow Configuration (561 nm)
- Green Configuration (532 nm)

1 Unparalleled View of the Fundus

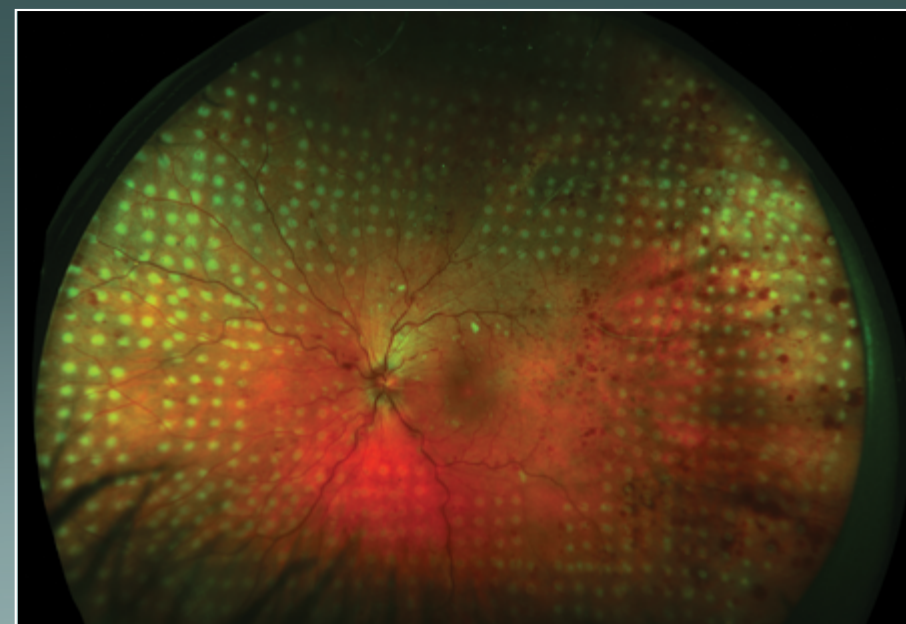
Integre Pro Scan™ incorporates a custom-built optical system that is optimized for use in the posterior segment. Featuring a 10-degree stereoscopic angle, it provides excellent depth perception and a wide peripheral view. In addition, achromatic doublet lens technology provides a clearer view of the fundus and an optimal red-reflex in order to better observe the tissue-effect — allowing you to precisely titrate energy. As an added benefit, the combination of high-grade crown glass materials, multi-layered anti-reflection coatings and next-generation filter technology maximizes light transmission and provides an unparalleled color-balanced view of the retina.

2 Fast, Efficient Treatment

Integre Pro Scan™ enables you to deliver a pattern of up to 25 laser shots in just 0.5 seconds, making it the industry's fastest pattern scanning photocoagulator.

3 Predictable Treatment Outcomes

Featuring a proprietary ZenTec™ laser cavity manufactured from high-grade components with kinematic mountings, Integre Pro Scan™ continuously monitors and adjusts power output to deliver uniform energy distribution across the full diameter of the spot, eliminating hotspots and achieving optimal homogenous burns.



4 Control at Your Fingertips

Integre Pro Scan™ offers a number of features designed to improve ease of use and maximize patient throughput, including:

- Intuitive, touchscreen interface for easy, quick adjustment of all treatment parameters, including laser power, pulse duration, pattern selection and pattern size. The touchscreen can also be angled toward the patient to aid the consultative process.
- Ambidextrous Track Pad for easy navigation of the retina and adjustment of treatment parameters and pattern characteristics: not only does this save you time, but it also allows you to perform treatment without the need to avert your eyes from the oculars.
- Second fiber port to connect a laser indirect ophthalmoscope (LIO).
- Range of pre-programmed lenses and a custom lens option, accessible via the touchscreen.
- Favorites Gallery for storing key treatment data for various clinical cases, including wavelength, power output, emission time, and interval time.

5 Designed to Maximize Your Workflow

The all-in-one design of Integre Pro Scan™ channels the laser directly through the slit lamp optics. This integrated design minimizes system downtime, because there are no exposed fiber optic or electrical cables. It also provides a more ergonomic physician interface.

“This system significantly improves the process of laser treatment delivery. The improved ergonomics of the physician interface, together with its ease of maneuverability, enables even the most difficult situation to be managed—such as a wheelchair-bound patient.”

Associate Professor Dimitri Yellachich, MD (Australia)

