



integre pro scan™

The pattern scanning
multi-color photocoagulator
that puts you in control

RETINAL PHOTOCOAGULATION

LASER TRABECULOPLASTY

LASER IRIDOTOMY

Helping the world see clearly

Transforming retinal photocoagulation — effectively, efficiently

With Integre Pro Scan™ from Ellex, you can transform the efficacy and efficiency of retinal photocoagulation. At the touch of a button, the system can deploy a comprehensive choice of patterns that are spaced, shaped and positioned consistently and precisely for the accurate and efficient treatment of retinal disease.

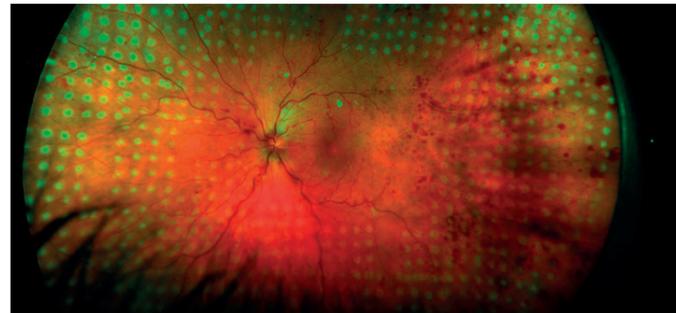
Choose Integre Pro Scan™ and you'll be able to treat patients up to twice as quickly than is possible with conventional single-spot photocoagulation.

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Uniform energy distribution

Integre Pro Scan's proprietary dual-mode laser cavity delivers uniform energy distribution across the full spot diameter, eliminating hotspots and achieving optimal, homogenous burns.

It's a key feature that means you can achieve consistent, predictable treatment outcomes across a broad range of pathologies.



Integre Pro Scan™ delivers uniform energy distribution

Image provided by Dmitri Yellachich, MD (Australia)



A pattern and wavelength for every pathology

Integre Pro Scan™ from Ellex combines multi-color photocoagulation with a precise computer-controlled pattern scanning laser in an ergonomically advanced all-in-one laser/slit lamp design.

Whether positioning focal treatment in the macular area, or performing PRP in the periphery, Integre Pro Scan™ provides a comprehensive pattern and wavelength choice to cover all retinal pathologies.

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With Integre Pro Scan™, the following wavelength configurations are available:



YELLOW-RED CONFIGURATION (561 nm and 670 nm)

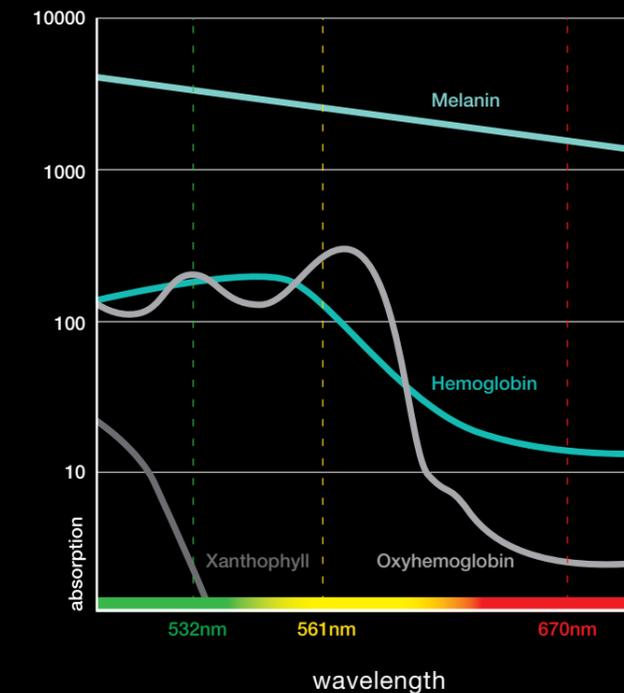


GREEN CONFIGURATION (532 nm)



YELLOW CONFIGURATION (561 nm)

Wavelength Clinical Characteristics



True Spot Optics

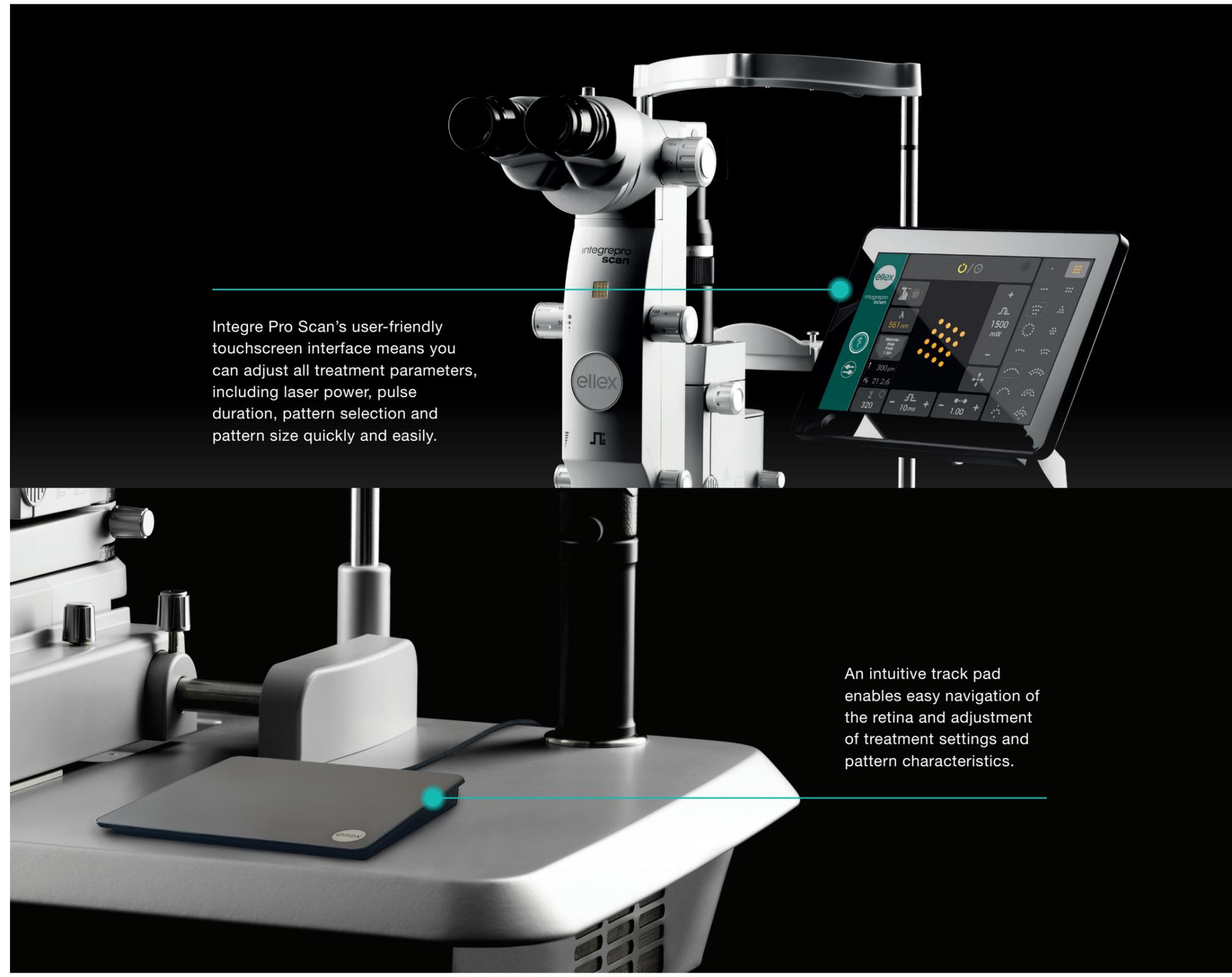
Integre Pro Scan's enhanced True Spot™ optical system gives you a clearer view of the fundus. It's a system that delivers excellent visualization and illumination, alongside enhanced depth perception and a wider peripheral view.

When it's combined with an optimal red-reflex, it's also a solution that enables you to titrate power levels precisely to deliver highly accurate treatment.

Specifications

Laser Source	Solid-state laser diode and cavity	Spot Size	Pattern: 100 to 500 µm, continuously variable Single Spot: 50 to 1000 µm, continuously variable
Wavelength	1 Yellow-red configuration: 561 nm and 670 nm 2 Yellow configuration: 561 nm 3 Green configuration: 532 nm	Spot Spacing	Pattern: 0 (touching), 0.25, 0.5, 0.75, 1.0, 1.25, 1.5, 1.75, 2.0 spot-width Single Spot: N/A
Power at the Cornea	Red: 50 – 1000 mW, Yellow: 50 – 1500 mW, Green: 50– 1500 mW	Pulse duration	Pattern: 10, 20, 30 ms Single Spot: 10 – 8000 ms
Exposure Time	Pattern: 10, 20, 30, Single Spot: 0.01 to 8.0 seconds	Repeat Mode	Pattern: N/A, Single Spot: 50 – 1000 ms
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 and 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 and 11 spots) Double Circle Sector 120 (8, 12, 16 and 20 spots) Variable curve, double curve and filled sector	Aiming Beam	Red 635 nm, adjustable intensity
		Magnification	6x, 10x, 16x, 25x, 40x
		Cooling	Air cooled
		Electrical Requirements	100-240 VAC, 50/60 Hz, 800 VA
		Weight	35kg, 77 lbs. (laser only)
		Dimensions (HxWxD)	62 x 76 x 47 cm, 24 x 30 x 19 inches (laser only)

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Integre Pro Scan's user-friendly touchscreen interface means you can adjust all treatment parameters, including laser power, pulse duration, pattern selection and pattern size quickly and easily.

An intuitive track pad enables easy navigation of the retina and adjustment of treatment settings and pattern characteristics.

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Find out how Integre Pro Scan™ will help you set new standards in deploying laser photocoagulation in the treatment of retinal disease.

Manufacturer

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Helping the world see clearly



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Integre Pro Scan™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Retinal Photocoagulation, Laser Trabeculoplasty and Laser Iridotomy.

