



# integre pro scan™

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

RETINAL PHOTOCOAGULATION

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LASER TRABECULOPLASTY

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LASER IRIDOTOMY

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# 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.

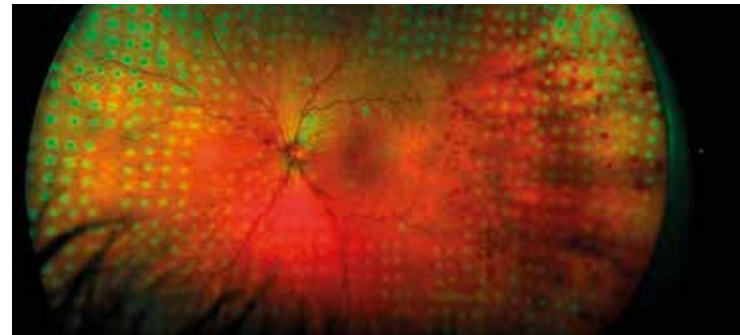
**Choose Integre Pro Scan™ and you'll be able to treat patients up to twice as quickly than is possible with conventional single-spot photocoagulation.**

integre **pro scan**.

## **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)*



integrepro  
scan



# 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.**

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



YELLOW-RED CONFIGURATION (561 nm and 670 nm)



GREEN-RED CONFIGURATION (532 nm and 670 nm)

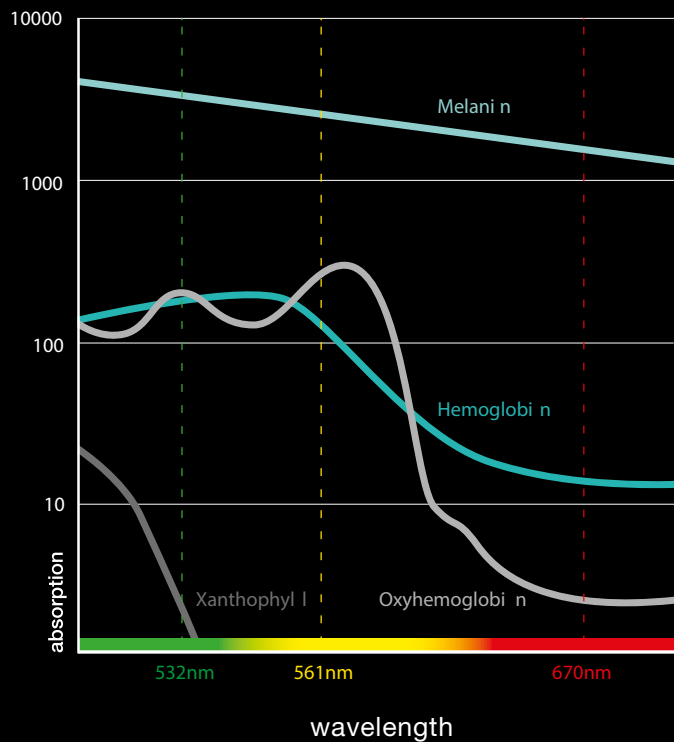


GREEN CONFIGURATION (532 nm)



YELLOW CONFIGURATION (561 nm)

## Wavelength Clinical Characteristics



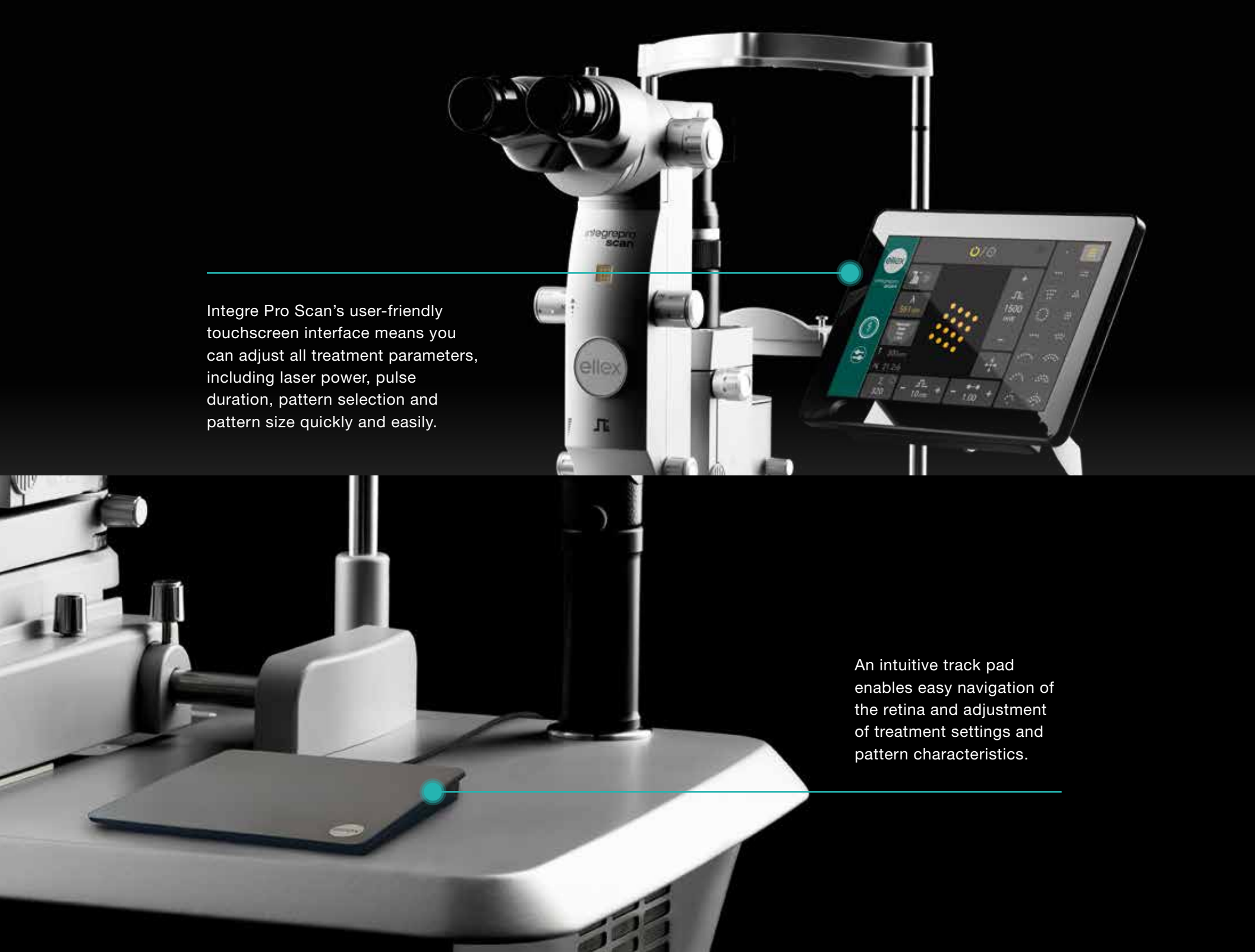
## True Spot Optics

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

<b>Laser Source</b>	Solid-state laser diode and cavity	<b>Spot Size</b>	Pattern: 100 to 500 $\mu\text{m}$ , continuously variable Single Spot: 50 to 1000 $\mu\text{m}$ , continuously variable
<b>Wavelength</b>	1 Yellow-red configuration: 561 nm and 670 nm 2 Green-red configuration: 532 nm and 670 nm 3 Yellow configuration: 561 nm 4 Green configuration: 532 nm	<b>Spot Spacing</b>	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
<b>Power at the Cornea</b>	Red: 50 – 1000 mW, Yellow: 50 – 1500 mW, Green: 50– 1500 mW	<b>Pulse duration</b>	Pattern: 10, 20, 30 ms Single Spot: 10 – 8000 ms
<b>Exposure Time</b>	Pattern: 10, 20, 30, Single Spot: 0.01 to 8.0 seconds	<b>Repeat Mode</b>	Pattern: N/A, Single Spot: 50 – 1000 ms
<b>Patterns</b>	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	<b>Aiming Beam</b>	Red 635 nm, adjustable intensity
		<b>Magnification</b>	6x, 10x, 16x, 25x, 40x
		<b>Cooling</b>	Air cooled
		<b>Electrical Requirements</b>	100-240 VAC, 50/60 Hz, 800 VA
		<b>Weight</b>	35kg, 77 lbs. (laser only)
		<b>Dimensions (HxWxD)</b>	62 x 76 x 47 cm, 24 x 30 x 19 inches (laser only)

The image shows the Integre Pro Scan retinal laser system. The top half features a close-up of the microscope head with dual eyepieces and a control panel. The bottom half shows the base unit with a track pad. A teal line with circular endpoints connects the track pad to the text on the left and the tablet to the text on the right.

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.

# integre pro scan™



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

## Contact us now to schedule a demonstration

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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.

