

## PRESS RELEASE

Ellex Medical Lasers Ltd (ASX:ELX)

Adelaide, Australia

Date: 4 November 2008

Release: Immediate

Topic: Ellex to Preview New Multi-Color Photocoagulation Laser at AAO



**Adelaide, Australia, 4 November 2008** – Ellex Medical Lasers Limited (ASX:ELX), a global leader in the design and manufacture of ophthalmic laser and ultrasound systems, today announced that it will preview a new, multi-color photocoagulation laser, *Integre Pro*<sup>™</sup>, at the upcoming American Academy of Ophthalmology (AAO), November 8-11, 2008 in Atlanta.

Featuring high-power yellow and red wavelengths, the *Integre Pro* sets a new standard for multi-color photocoagulation. The combination of two optimal wavelengths and high power not previously available in photocoagulators – 1.5 watts of 561nm yellow wavelength and 1 watt of 670nm red – permits the full treatment range of three-wavelength photocoagulators, displacing the need for green wavelengths.

Compared to traditional 514/532nm green wavelengths, the *Integre Pro*'s 561nm yellow wavelength creates a more gentle retinal burn and results in low scotoma formation. This, in turn, provides for better control over the interaction between laser beam and tissue. The yellow wavelength is not absorbed by xanthophyll, which makes it ideal for treatments in and around the macula. It also produces less scatter, which creates superior transmission through existing opacities, including cataracts. The high power permits iridotomies and laser trabeculoplasties.

The 670nm red wavelength of the *Integre Pro* is ideal for transmission 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.

### Additional Innovations

Other *Integre Pro* innovations to be previewed at the AAO include complete, cable-free integration of the laser with the slit lamp, a second port for easy adaptation of a second delivery device, and a proprietary single-pump dual cavity design that allows for instant switching between wavelengths.

“The *Integre Pro* is one of a kind, and underlines Ellex’s ongoing commitment to be at the forefront of ophthalmic laser technology,” said Simon Luscombe, Ellex CEO. “The concept is a first for the industry, enabling physicians to take advantage of the full spectrum of photocoagulation treatments traditionally required by three separate laser wavelengths. The fully integrated design provides for improved working distance and ergonomics, and completely eliminates the need for external adapters or fibers. This unique, integrated design has been the key driver for the worldwide success of Ellex’s *Integre* range of photocoagulators and we are pleased to preview this exciting laser based on the *Integre* platform.”

The *Integre Pro* laser will be previewed at the Ellex exhibit #3940 during the AAO in Atlanta. The *Integre Pro* is part of the *Integre* family of integrated photocoagulators that include the *Integre* (532nm green) and *Integre Duo* (523nm green/670nm red).

## **ABOUT ELLEX**

Ellex Medical Lasers Limited (ASX:ELX) designs, manufactures and sells a complete line of lasers and diagnostic ultrasound systems used by ophthalmologists to diagnose and treat eye diseases. With more than 14,000 systems delivered to the market, Ellex has evolved since 1985 from a manufacturing company of primarily OEM products, to direct marketing of its own branded products through subsidiaries in the United States, Japan and Australia, and a network of distribution partners in more than 100 countries. In December 2006 Ellex acquired Innovative Imaging, a leading provider of diagnostic ultrasound devices for ophthalmology, initiating the expansion of its product line beyond lasers. Ellex maintains a strong emphasis on intellectual property and research into new and better treatments to manage and treat the leading causes of blindness.

For additional information about Ellex and its products, please visit [www.ellex.com](http://www.ellex.com).

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