



Company Background

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Company

Ellex Medical Lasers Limited (ASX:ELX) designs, manufactures and markets a complete line of lasers used by ophthalmologists to preserve vision and treat eye diseases. Ellex engineered its first high-performance ophthalmic laser in 1985, and spent the next 20 years primarily as an OEM supplier to some of the most respected companies in ophthalmology. More than 12,000 Ellex-manufactured lasers are in use under several different names, including our own brand.

With the acquisition of Innovative Imaging, Inc. in 2006, Ellex expanded its product offering to include diagnostic ultrasound. Innovative Imaging was founded by the pioneers in ultrasound technology and introduced their first device to the market in 1989. Since then the company has concentrated its efforts entirely on making the best ultrasound devices available and provided more than 1,300 systems to customers worldwide.

Headquartered in Adelaide, Australia, Ellex products are sold directly in the United States, Japan and Australia, and through a network of distributors in more than 100 other countries. The company is listed on the Australian Stock Exchange.

Products

Ellex manufactures and sells its own complete line of fully integrated, solid-state photodisruptors, photocoagulators and SLT devices for treating cataract, glaucoma and retinal conditions, and the Eye Cubed diagnostic ultrasound system.

Photodisruptors – Ellex is the world's largest Nd: YAG photodisruptor manufacturer, supplying over half of the global market. Our photodisruptors feature advanced solid-state Q-switch technology, which creates a more reliable, robust laser system, as well as custom-designed laser cavities and an exceptional lifespan tested in excess of 400,000 shots. Models include:

- Ultra Q, the ophthalmic field's premier capsulotomy and iridotomy laser
- Super Q, a portable photodisruptor that provides precise and reliable treatments for anterior eye disease

Photocoagulators – Ellex green and multi-color laser photocoagulators perform retinal and glaucoma treatments with precision and reliability. They include:

- Integre Duo, the first solid-state photocoagulator to deliver clinically proven green and red treatment wavelengths
- Integre, the industry's first green photocoagulator that incorporates a custom-designed laser cavity and slit lamp in an efficient, self-contained design
- Solitaire, a compact, full-featured green laser that is portable and versatile for use in both operating rooms and clinics

SLT Devices – Ellex manufactures two laser systems designed specifically for selective laser trabeculoplasty (SLT), a new and advanced, non-invasive surgical option for managing the intraocular pressure (IOP) associated with open angle glaucoma. With few side effects and a growing body of evidence supporting its viability, SLT is rapidly becoming the preferred first line of treatment for elevated IOP.

- Solo, a solid-state ophthalmic laser used for first-line glaucoma treatments, adjunct therapy with drugs and alternative therapy when drugs fail
- Tango, a three-in-one system laser system designed to treat open angle glaucoma, angle closure glaucoma and secondary cataracts through SLT and YAG modes

Diagnostic Ultrasound – Ultrasound imaging uses high-frequency sound waves to form a picture of the eye's structure, creating detailed images of complex ocular structures and enabling highly accurate patient diagnosis. In 2006 Ellex expanded its product line to include the ophthalmic industry's premier diagnostic ultrasound device:

- Eye Cubed, the premier device for ultrasound examination of the eye. Customized configuration of A-Scan and B-Scan modes make the device suitable for both retinal specialists and anterior segment surgeons.