Diagnostic Ultrasound

Innovative imaging has long been considered the premier name in diagnostic ophthalmic ultrasound technology – which is why it is now part of the Ellex product family.

The New Generation Eye Cubed™ from Ellex makes it possible to evaluate ocular structures more clearly than ever before. Revolutionary for its unparalleled sensitivity, the system features real-time imaging, advanced movie mode using the fastest sampling rate available, and internal memory for storage of measurements—all of which advance and improve your diagnostic efforts.

In addition, the Eye Cubed’s superior image clarity and flexible measurement allows for thorough pre-operative and post-operative assessment of ocular anatomy—essential in optimizing premium IOL outcomes.

Ellex Philosophy

Since the introduction of our first ophthalmic laser in 1985, Ellex has been building a knowledge base and reputation for excellence in ophthalmology. Today, more than 15,000 Ellex lasers and ultrasound are used by ophthalmologists around the world to treat and diagnose patients with cataract, glaucoma and retina conditions.

At Ellex, we understand that it’s the overall package—technology, people, reliability and commitment—that makes the difference between a one-time equipment sale and a lasting relationship.

It starts in the factory, where all of our laser and ultrasound systems are crafted from premium components and expert manufacturing processes to provide the highest levels of reliability and performance. Once a system is installed, we offer extensive clinical expertise and educational support, supported by a worldwide network of expertly trained field engineers and technical customer service centers in Japan, North America, Europe and Australia. In each of these areas, we strive to create and maintain a culture of customer care that is unmatched. We settle for nothing less.

Configured to Meet Your Needs

Total Solution™ Tables

Each integrated laser system from Ellex can be configured with a Total Solution™ table, designed to meet the needs of ophthalmic offices, ambulatory surgery centers and hospital outpatient clinics.

Portability

The Ellex Super Q® breaks down into two portable cases for safe and easy transport in a passenger vehicle.
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Premier Diagnostic Ultrasound

The intuitive, easy-to-use Eye Cubed™ makes it possible for you to see more during pre-op and post-op evaluation of ocular structures.

In addition, customized configurations of A-Scan and B-Scan modes ensure that the Eye Cubed™ meets all of your needs for both the posterior and anterior segments.

- Superior Image Quality
- Highest Signal-to-Noise Ratio
- High-Speed Imaging
- Advanced Movie Technology
- A-Scan Modes
- B-Scan Modes
- Axial Length Biometry
- Standardized Diagnostic
- 10 MHz Posterior Segment
- 40 MHz UBM Wide-Field Anterior Segment
Photodisruption

The tough demands of today’s new-generation intraocular lenses (IOLs) require an ever-increasing level of accuracy during VAG surgery. For this reason, Ellex’s VAG lasers feature state-of-the-art technology designed to help you achieve precise optical breakdown at the lowest energy levels possible. Add to that our exquisite focusing, and you will experience higher accuracy, more control, and reduced potential for side effects. The Super Q® provides a portable solution for public clinics, while the Ultra Q™ is designed specifically for hospital use. Both systems feature a fully integrated design which optimizes treatment and provides a number of advantages, including more stable, reliable and consistent energy delivery.

Photocoagulation

Ellex solid-state photocoagulators deliver safe, predictable and consistent energy through a true, continuous-wave laser beam with real-time power control throughout the selected exposure time. This creates superior energy delivery from beginning to end of exposure, and across the full diameter of the spot. In addition, our “True Spot®” optical system combines the benefits of a parfocal system with low power density at the cornea. The Integre® family of integrated photocoagulators – integre Yellow™ and integre Duo™ – offers a design in which the laser and slit lamp are optimally integrated for greater efficiency and reliability, as well as for comfort and improved ease of use. The portable, versatile Ellex Solitaire™ can be configured for the clinic, the operating room, or both.

SLT Photoregeneration

Gentle and non-invasive, selective laser trabeculoplasty (SLT) has become the therapy of choice for glaucoma management. This advanced, non-thermal treatment works by stimulating a natural healing response in the body to manage intraocular pressure, promoting cellular regeneration without the burn and scar tissue associated with other laser procedures. Ellex offers two SLT systems: the Tango™ SLT/YAG combination laser and the Solo™ integrated SLT laser. Both systems feature a high level of precision, in which parameter settings can be adjusted at 0.1 mJ increments. This capability, coupled with superior energy control and the fastest repetition rate in the industry at 3 Hertz, enables the delivery of quick and highly accurate SLT treatment.

The Essential VAG Laser

The Super Q® is the ophthalmic industry’s favorite VAG laser. Designed for easy transport between multiple clinics, the Super Q® provides such precise and reliable treatment for anterior eye disease that it has been the world’s best-selling YAG laser since its introduction in 1996.

- Ultra-Gaussian Beam Mode Enables Lower Energy Treatments
- Fine, Two-Point Focusing System
- Solid-State Q-Switch
- No Exposed Fiber Optic Cables
- Fast, 3 Hertz Firing Rate

The Integre® is the only green laser that integrates the laser cavity and slit lamp – the laser and slit lamp are optimally integrated for greater efficiency and reliability, as well as for comfort and improved ease of use. The portable, versatile Ellex Solitaire™ can be configured for the clinic, the operating room, or both.

- Versatile Green Laser
- High Power 532nm Green Laser
- Programmable Procedure Memory
- Laser Indirect Ophthalmoscope
- Endophotocoagulation

The Integre Yellow™ is the first and only high-power yellow laser that integrates the laser cavity and slit lamp for greater efficiency and reliability.

- 1.0 Watt 532nm Green Laser
- No Exposed Fiber Optic Cable

The Integre Duo™ is the first solid-state photocoagulator to deliver 532nm red and 532nm green wavelengths in a streamlined, integrated design.

- 1.5 Watt 532nm Green Laser
- 1.0 Watt 670nm Red Laser
- Proprietary Dual Laser Cavity

The ELLEX Blue Solitaire® is a highly effective tool for first-line glaucoma treatment, as adjunct therapy with drugs, or as an alternative therapy when drugs or surgery fails. *

- Fast, 3 Hertz Firing Rate
- SLT Treatment Parameters Designed to Industry-Recognized Treatment Protocols
- Precise Energy Titrations at 0.1 mJ Increments (0.3 to 2.0 mJ energy range)

- Selectable SLT or YAG Mode
- Fast, 3 Hertz Firing Rate
- SLT Treatment Parameters Designed to Industry-Recognized Treatment Protocols
- Precise Energy Titrations at 0.1 mJ Increments (0.3 to 2.0 mJ energy range)
- Fine, Two-Point Focusing System in YAG Mode
- Ultra-Gaussian Beam Profile in YAG Mode

* Not available for sale in the US.
Photocoagulation

The tough demands of today’s new-generation intraocular lenses (IOLs) require an ever-increasing level of accuracy during YAG surgery. For this reason, Ellex YAG lasers feature state-of-the-art technology designed to help you achieve precise optical breakdown at the lowest energy levels possible. Add to that our exquisite focusing, and you will experience higher accuracy, more control, and reduced potential for side effects. The Super Q® provides a fully integrated design which optimizes treatment and provides a number of advantages, including more stable, reliable and consistent energy delivery.

The Essential YAG Laser

• Microsurgical YAG Laser
• For capillary- and idiopathic processes, the ultra Q® delivers accuracy and control while reducing the potential for side effects. In particular, ophthalmologists working with the newest generation of intraocular lenses (IOLs) require an ever-increasing level of accuracy during YAG surgery. For this reason, Ellex YAG lasers feature state-of-the-art technology designed to help you achieve precise optical breakdown at the lowest energy levels possible. Add to that our exquisite focusing, and you will experience higher accuracy, more control, and reduced potential for side effects. The Super Q® provides a fully integrated design which optimizes treatment and provides a number of advantages, including more stable, reliable and consistent energy delivery.

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The Essential YAG Laser

• Ultra Q®
• Mini Q®
• Solid-State Q-Switch
• Fine, Two-Point Focusing System
• Low Energy Breakdown

(1996.

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• Ultra Q®
• Fine, Two-Point Focusing System
• Solid-State Q-Switch
• Fast, 3 Hertz Firing Rate

Also available with SLT, see Tango.

Microsurgical YAG Laser

For capillary and intubation procedures, the ultra Q® delivers accuracy and control while reducing the potential for side effects. In particular, ophthalmologists working with the newest generation of intraocular lenses (IOLs) rely on its consistent optical breakdown at ultra-low energy to deliver optimal patient results.

• Ultra Q®
• Fine, Two-Point Focusing System
• Solid-State Q-Switch
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Endophotocoagulation

Ellex solid-state photocoagulators deliver safe, predictable and consistent energy through a true, continuous-wave laser beam with real-time power control throughout the selected-exposure time. This creates superior energy distribution from beginning to end of exposure, and across the full diameter of the spot. In addition, our “True Spot” optical system combines the benefits of a parfocal system with low power density at the cornea. The integrally-fueled family of photocoagulators – integre®, integre yellow® and integre duo® – offers a design in which the laser and slit lamp are optimally integrated for greater efficiency and reliability, as well as for comfort and improved ease of use. The portable, versatile Ellex Solitaire® can be configured for the clinic, the operating room, or both.

• Ultra Q®
• Fine, Two-Point Focusing System
• Low Energy Breakdown

The Solitaire™ can be configured for the clinic, the operating room, or both – with dual ports, programmable procedure memory, and compatibility with a wide variety of industry standard slit lamp and surgical microscope delivery systems.

• High Power 532nm Green Laser
• Programmed Procedure Memory
• Laser Indirect Ophthalmoscope
• Endophotocoagulation
Diagnostic Ultrasound

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Configured to Meet Your Needs

Total Solution™ Tables

Each integrated laser system from Ellex can be configured with a Total Solution™ table, designed to meet the needs of ophthalmic offices, ambulatory surgery centers and hospital outpatient clinics.

Wheelchair Accessible, Mobile

Wheelchair Accessible

Wheelchair Accessible, Mobile

Wheelchair Accessible

Mobile

Portability

The Ellex Super Q² breaks down into two portable cases for safe and easy transport in a passenger vehicle.