



| MICROSURGICAL YAG LASER |

ultraQ[™]

The ophthalmic
industry's premier
YAG laser.

The Ellex Ultra Q™ is the ophthalmic industry's premier YAG laser for capsulotomy and iridotomy procedures. Its custom-designed laser cavity has been tested to deliver an exceptional lifespan, and with a firing rate of up to 3 hertz, the Ultra Q™ is the fastest YAG laser available.

The Ultra Q™ produces an Ultra Gaussian Beam Mode and enables consistent optical breakdown at ultra-low energy. This capability is essential when dealing with the newest generation of IOLs, which are often more sensitive to laser energy. Add to that our exquisite focusing, and you will experience higher accuracy, more control, and reduced potential for side effects.



Indications for use

Cataract Posterior Capsulotomy

Glaucoma Laser Iridotomy

Diagnose and Treat with the Best

Ellex is dedicated to advancing the role of ophthalmic technology through a line of premium laser and diagnostic ultrasound systems. We engineered our first high-performance ophthalmic laser in 1985, and in 2006 joined with ophthalmic ultrasound pioneers Innovative Imaging, Inc. With more than 15,000 systems delivered to hospitals, clinics and ophthalmic practices worldwide, Ellex is known for its superior quality and commitment to customer care.

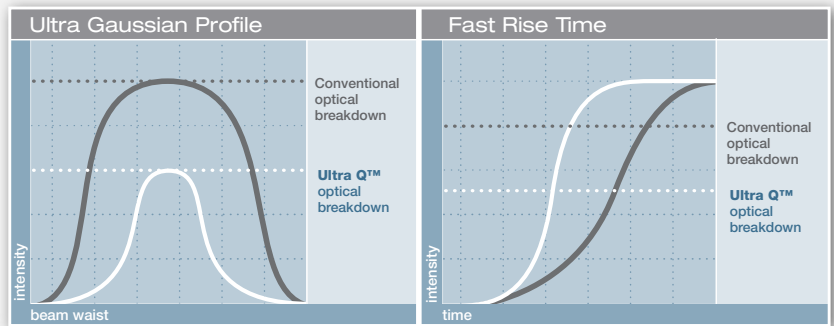
Ultra Q™ Features and Benefits

Designed to Maximize Your Workflow

Ellex has integrated the laser and slit lamp for greater efficiency and reliability, as well as for improved ease of use. The Ultra Q's compact, efficient design provides you with additional working space and convenient, simultaneous access to the patient and laser controls.

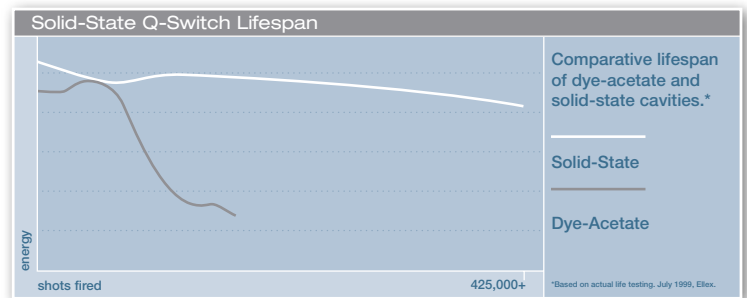
Efficient Energy Delivery

When in YAG mode, the Ultra Q's Ultra Gaussian spot profile and fast rise time enable you to perform capsulotomies and iridotomies at lower, more efficient energy levels. This makes it possible for you to cut tissue more efficiently, using fewer shots and less cumulative energy. This ultra-low energy optical breakdown (in air) of approximately 1.8 mJ in optimal conditions is compared to fundamental mode lasers that typically achieve optical breakdown (in air) at 3 to 4 mJ.



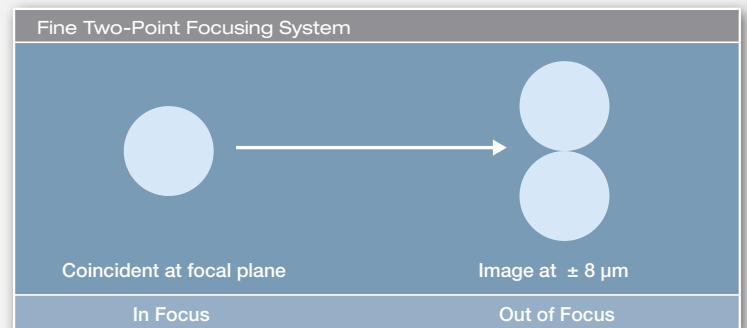
Better Performance Over the Long-Term

The Ultra Q's solid-state Q-switch is life-tested to deliver 400,000 shots, and does not deteriorate over time like other YAG Q-switches. As a result, you will experience better performance, and a dramatic reduction in long-term operating costs.



Pinpoint Precision

With a tolerance range of $\pm 8 \mu\text{m}$, the Ultra Q's fine, two-point focusing system in YAG mode makes it easy for you to ensure that the system is always in focus, and that energy is delivered where you intend in relation to your target.





One Powerful Vision

Accessories and Options

Remote Control

(standard accessory)

Adjust critical treatment parameters in a dimly lit treatment room using the back-lit remote control with user-friendly interface.

Total Solution™ Tables

(optional accessory)

Ellex Total Solution™ tables are designed to meet the needs of any environment. With the added benefit of comfort, flexibility and an optimized patient-surgeon interface, the Total Solution™ range of tables enable you to meet the alignment needs of even your most challenging patients.

- Wheelchair accessible, mobile
- Wheelchair accessible
- Mobile



Product Specifications

Laser Source	Q-switched Nd: YAG
Wavelength	1064 nm
Energy	0.3 to 10 mJ, single pulse continuously variable
Pulse Width	4 ns
Burst Mode	1, 2 and 3 pulses per burst, selectable
Spot Size	8 µm
Posterior Offset	100 to 350 µm, continuously variable
Cone Angle	16 degrees
Repetition Rate	up to 3 hertz
Aiming Beam	red 670 nm, adjustable intensity
Magnification	10x, 16x, 28x
Cooling	air cooled
Electrical Requirements	100-240 VAC, 50/60 Hz, 500 VA
Weight	30kg, 66 lbs. (laser only)
Dimensions (HxWxD)	57 x 92 x 44 cm, 23 x 36 x 18 inches (laser only)
Standard Accessories	remote control, safety glasses, laser safety sign, dust cover
Optional Accessories	Total Solution™ tables, footswitch, five position magnification changer, beam splitter, co-observation tube, 35 mm camera adapter, video camera adapter, tonometer mount, capsulotomy and iridectomy laser lenses

Specifications are subject to change without notice.

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ellex.com

Headquarters

82 Gilbert Street
Adelaide, SA, 5000 AUSTRALIA
+61 8 8104 5200

Japan

4-3-7 Miyahara 4F, Yodogawa-ku
Osaka 532-0003 JAPAN
+81 6 6396 2250

USA

7138 Shady Oak Road
Minneapolis, MN, 55344 USA
+61 800 824 7444

Germany

Ostring 45
63533 Mainhausen GERMANY
+49 6182 9292 95

Australia

Suite 2, 14 Edgeworth David Avenue
Hornsby, NSW, 2077 AUSTRALIA
+61 8 8104 5264

Europe Support Center

108, avenue Marx Dormoy
63000 Clermont-Ferrand FRANCE
+33 4 73 34 18 55