



ultraQ™

Accessories and Options

Total Solution™ Tables (standard 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 meets the alignment needs of even your most challenging patients.



- Wheelchair accessible, mobile
- Wheelchair accessible
- Mobile

Indications for Use

Cataract Posterior Capsulotomy

Glaucoma Laser Iridotomy

Diagnose and Treat with the Best

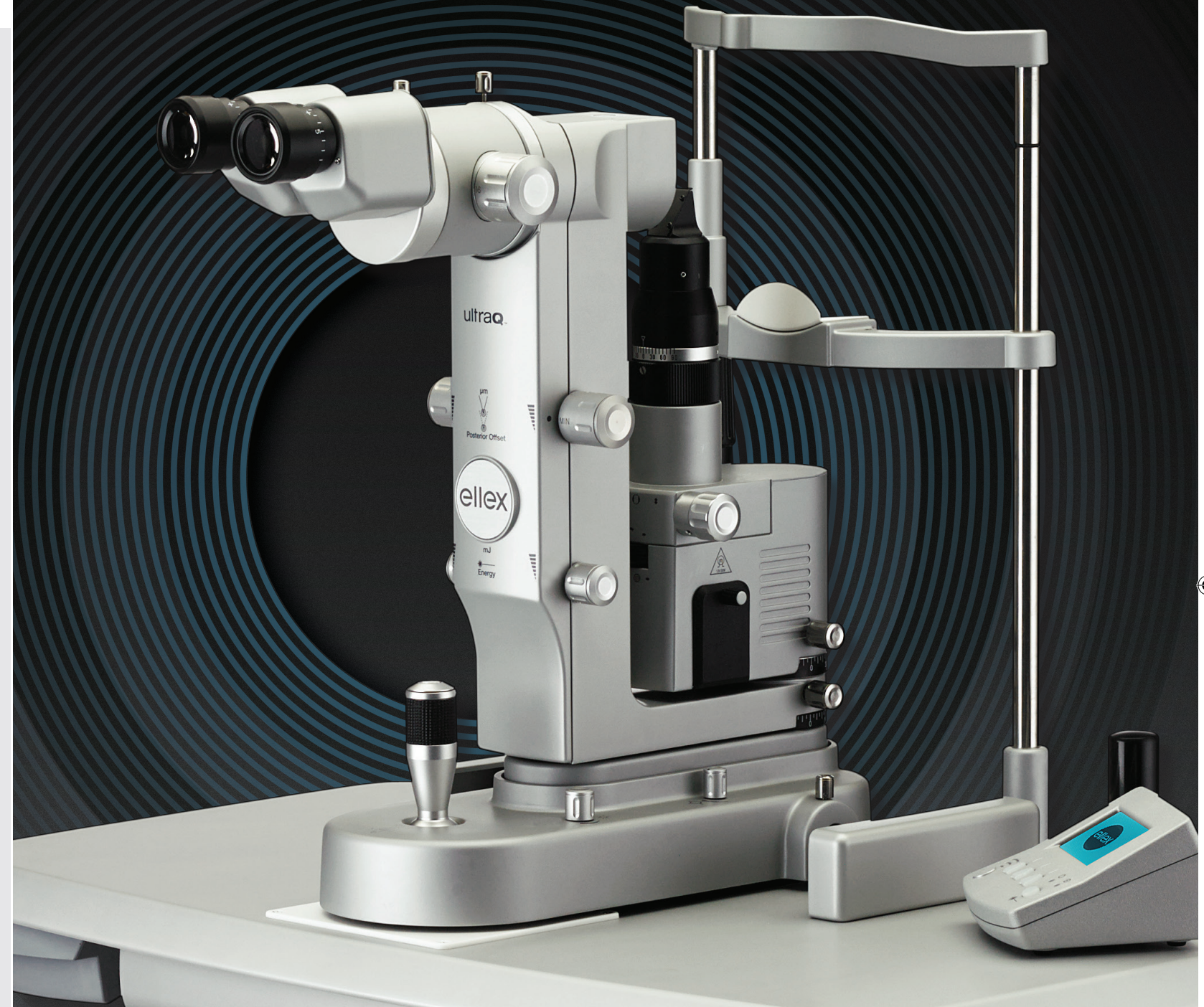
Ellex is dedicated to supporting the fight against blindness through a portfolio of advanced treatment and diagnostic technologies. With more than 30,000 laser and ultrasound systems installed worldwide, Ellex is known for its superior quality and commitment to customer care.

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	0 to 350 µm, continuously variable
Cone Angle	16 degrees
Repetition Rate	up to 3 Hertz
Aiming Beam	red 635 nm, adjustable intensity
Magnification	10x, 16x, 28x
Cooling	air cooled
Electrical Requirements	100-240 VAC, 50/60 Hz, 800 VA
Weight	30kg, 66 lbs. (laser only)
Dimensions (HxWxD)	57 x 75 x 44 cm, 23 x 30 x 18 inches (laser only)
Standard Accessories	Total Solution™ tables, remote display, safety glasses, laser safety sign, dust cover
Optional Accessories	footswitch, five-position magnification changer, beam splitter, co-observation tube, 35 mm camera adapter, video camera adapter, tonometer mount, capsulotomy and iridotomy laser lenses

Specifications are subject to change without notice.

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The industry's leading microsurgical YAG laser, Ultra Q™ enables you to perform capsulotomies at more efficient power levels - making it ideal for use with advanced IOLs.



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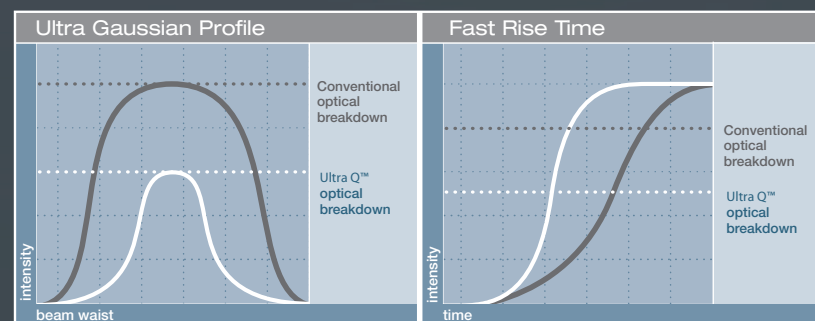
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1 Optimized Optics for Better Viewing

The quality and design of Ultra Q's slit lamp optics are optimized for anterior YAG laser procedures. Featuring Galilean converging optics with a 16° stereoscopic angle, Ultra Q™ provides a more natural stereoscopic view combined with a small depth of field for precision focusing on structures in the anterior segment.

2 Efficient Energy Delivery for Safer Treatment



Ultra Q's Ultra Gaussian beam profile and fast rise time achieve optical breakdown (in air) of approximately 1.8mJ, in optimal conditions, compared to other YAG lasers, which typically achieve optical breakdown (in air) of 3 to 4mJ. This enables you to perform capsulotomy and iridotomy procedures at lower, more efficient power levels and with a reduced risk of side effects.

3 Accurately Position Optical Breakdown

A continuously variable posterior offset control adjustment (from 100 to 350 microns) provides optimum flexibility for all procedures.

4 Designed to Maximize Your Workflow

Ultra Q's ergonomic design provides you with additional working space and convenient, simultaneous access to the patient and laser controls. The user-friendly, back-lit remote display allows you to adjust treatment parameters in a dimly lit treatment room.

5 Pinpoint Precision

With a tolerance range of $\pm 8 \mu\text{m}$, Ultra Q's fine, two-point focusing system makes it easy for you to accurately position where the optical breakdown will take place, irrespective of whether you are working in the anterior segment or in the posterior segment.

6 IOL-Friendly Photodisruption

Ultra Q™ consistently achieves optical breakdown at ultra-low energy levels, allowing you to cut tissue more efficiently with fewer shots and with less cumulative energy, thus reducing the risk of marking the IOL.

7 Better Performance Over the Long-Term

Ultra Q's solid-state Q-switch, which is made from the industry's finest components, is life-tested to deliver over 400,000 shots without any significant reduction in energy performance or beam quality.

8 Faster Treatment

With the industry's fastest firing rate of up to 3 shots per second (3 Hz) Ultra Q™ allows you to perform treatments quickly and efficiently.

