



ultra Q™

The focused solution  
for YAG laser procedures

CAPSULOTOMY

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IRIDOTOMY

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**Helping the world see clearly**

# Technology that puts you in control

Whether you're seeking to perform capsulotomies for Presbyopic IOLs or peripheral iridotomies prior to the insertion of Phakic IOLs, it's imperative that your treatment equipment delivers excellent results every day.

**Ultra Q™ has been created by Ellex to ensure you achieve your goals — delivering precision, perfectly and consistently, maximizing patient satisfaction.**

## Two treatment modalities

Specify Ultra Q™, and your treatment options comprise:

CAPSULOTOMY

IRIDOTOMY



ultraQ



ellex

mJ  
Energy

# Ultra Q™ – uniquely efficient

**Featuring the industry's most efficient and fastest microsurgical YAG laser, Ultra Q's unique cavity design and custom power supply is technology that puts you in control\*.**

Choose Ultra Q™ from Ellex, and you'll be able to perform capsulotomy and iridotomy procedures at lower, more efficient power levels and with optimized shot-to-shot consistency.

## **IOL-friendly photodisruption**

Featuring an Ultra Gaussian beam profile, Ultra Q™ focuses more power into the center of the beam profile.

It's a capability that delivers greater energy density, which reduces the energy levels needed to perform capsulotomy and iridotomy procedures effectively — and significantly lowers the risk of lens pitting.

### **Accurate, effective capsulotomy**

Ultra Q™ from Ellex features industry-leading levels of precision and delivers ultra-low energy optical breakdown typically at 1.8 mJ (in air)\*.

That means you can cut tissue more efficiently with fewer shots and less cumulative energy, achieving an exact capsulotomy opening in order to secure the highest standard of centration that's key to optimizing IOL performance. It's also a level of accuracy that makes a significant contribution to the prevention of lens damage.




Capsulotomy, Ellex

\*Based on system performance testing. Data on file. Ellex Medical.

Images courtesy of Karl Brasse, MD, MRCOphth

# Specifications

<b>Laser Source</b>	Q-switched Nd:YAG	<b>Magnification</b>	optimized for enhanced anterior segment visualization
<b>Wavelength</b>	1064 nm	<b>Cooling</b>	air cooled
<b>Energy</b>	Energy 0.3 to 10 mJ per pulse, continuously variable	<b>Electrical Requirements</b>	100–240 VAC, 50/60 Hz, 500 VA
<b>Pulse Duration</b>	4 ns	<b>Weight</b>	30 kg, 66 lbs (laser only)
<b>Burst Mode</b>	1, 2 and 3 pulses per burst, selectable	<b>Dimensions (HxWxD)</b>	57 x 75 x 44 cm, 23 x 30 x 18 inches (laser only)
<b>Spot Size</b>	8 $\mu$ m	<b>Standard Accessories</b>	Total Solution™ tables, remote display, safety glasses, laser safety sign, dust cover
<b>Cone Angle</b>	16 degrees	<b>Optional Accessories</b>	Footswitch, five-position magnification changer, beam splitter, co-observation tube, 35 mm camera adapter, video camera adapter, tonometer mount, capsulotomy, and iridotomy laser lenses
<b>Offset (Posterior)</b>	100 to 350 $\mu$ m, continuously variable		
<b>Aiming Beam</b>	red 635 nm, adjustable intensity		
<b>Repetition Rate</b>	up to 3 Hertz		

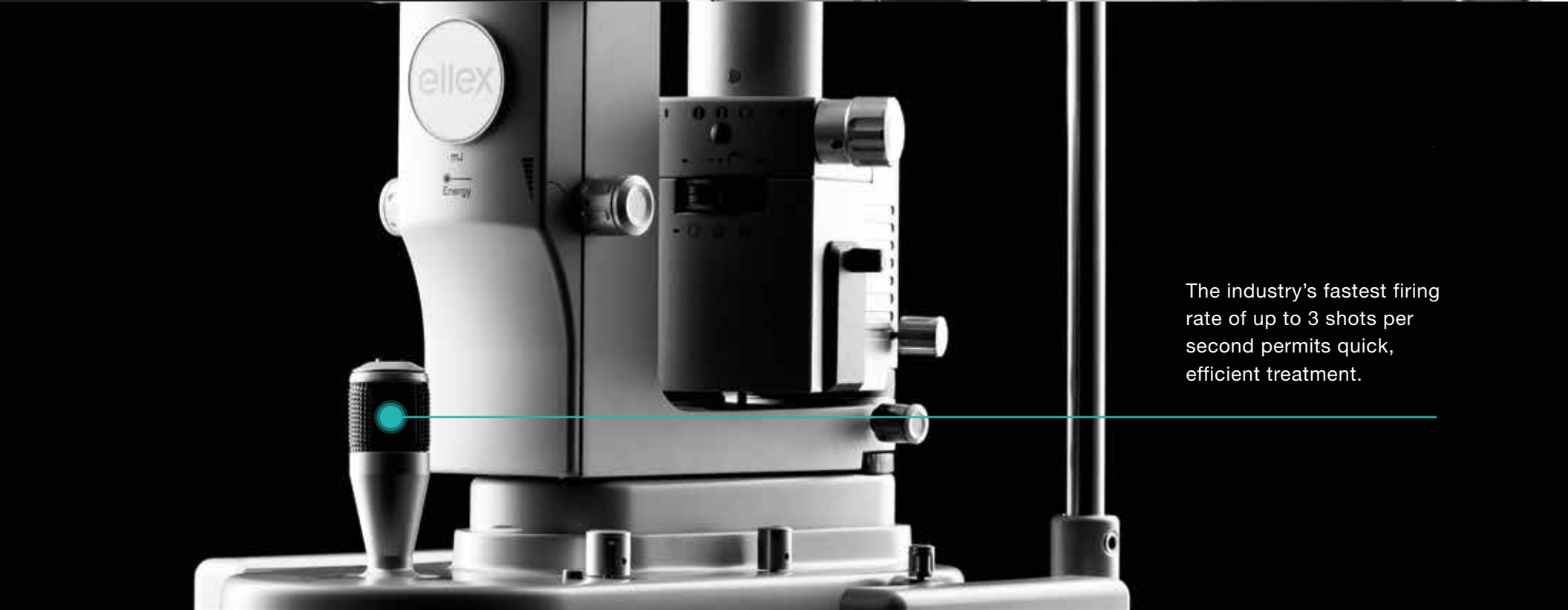


A continuously variable posterior offset (from 100 to 350 microns) allows you to accurately position optical breakdown and provides flexibility for all procedures.

ultraQ.

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Posterior Offset

ellex



The industry's fastest firing rate of up to 3 shots per second permits quick, efficient treatment.

ultra Q™



Find out how Ultra Q™ will help you set new standards in capsulotomy and iridotomy.

### Contact us now to schedule a demonstration

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