



ultraQ™

The focused solution
for YAG laser procedures

CAPSULOTOMY

IRIDOTOMY

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.

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

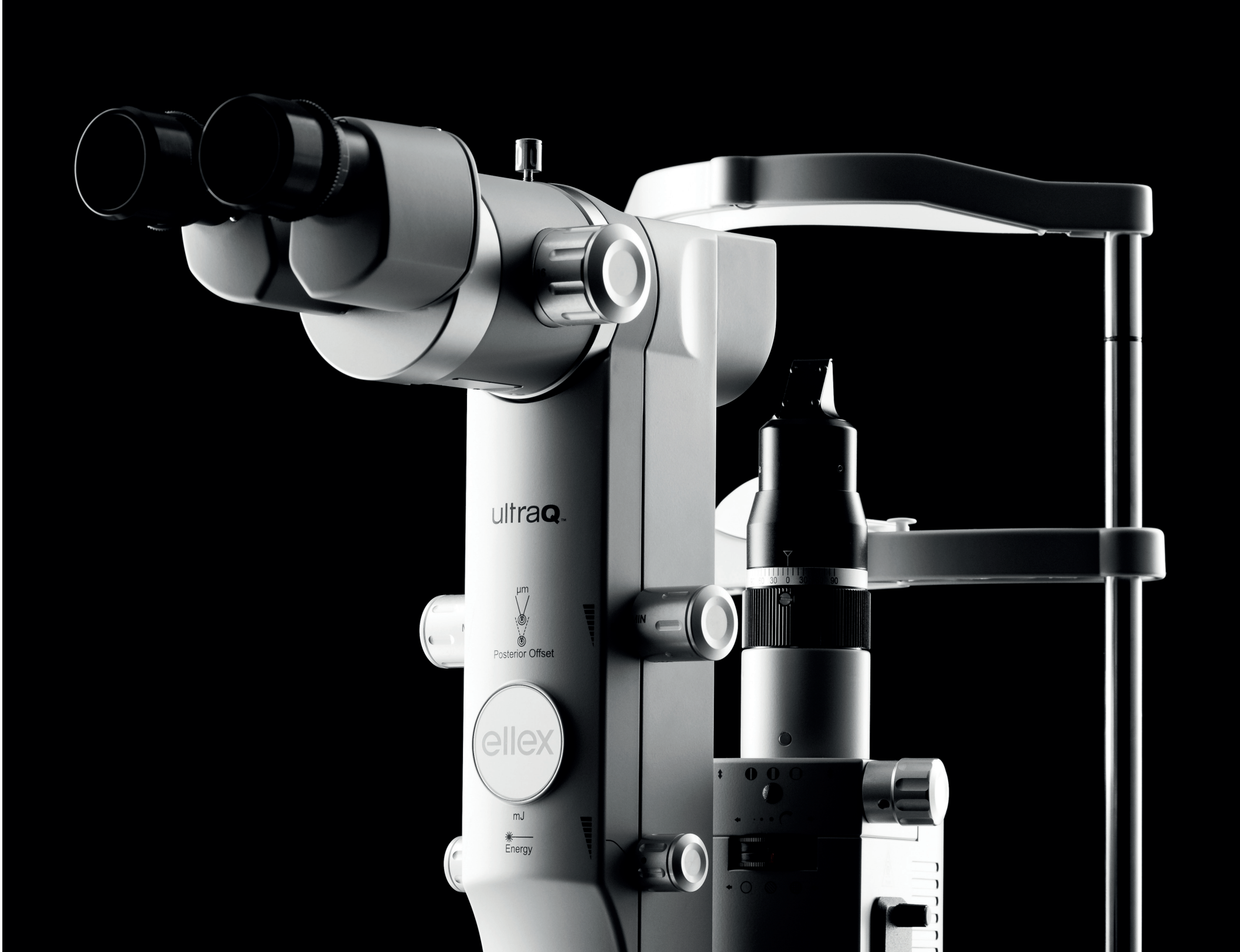
ultra **Q**

Two treatment modalities

Specify UltraQ™, and your treatment options comprise:

CAPSULOTOMY

IRIDOTOMY



ultraQ™

µm



Posterior Offset

ellex

mJ

Energy

UltraQ™ – uniquely efficient

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

Choose UltraQ™ 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

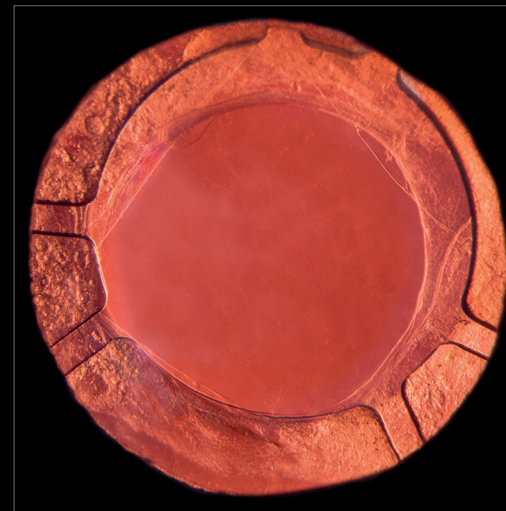
Featuring an Ultra Gaussian beam profile, UltraQ™ focuses more power into the center of the beam profile.

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

UltraQ™ 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

Laser Source	Q-switched Nd:YAG
Wavelength	1064 nm
Energy	Energy 0.3 to 10 mJ per pulse, continuously variable
Pulse Duration	4 ns
Burst Mode	1, 2 and 3 pulses per burst, selectable
Spot Size	8 μ m
Cone Angle	16 degrees
Offset (Posterior)	100 to 350 μ m, continuously variable
Aiming Beam	red 635 nm, adjustable intensity
Repetition Rate	up to 3 Hertz

Magnification	optimized for enhanced anterior segment visualization
Cooling	air cooled
Electrical Requirements	100–240 VAC, 50/60 Hz, 500 VA
Weight	30 kg, 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



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

ultraQ

μm
Posterior Offset

ellex



ellex

mJ
Energy

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

ultraQ™



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

Manufacturer

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Helping the world see clearly



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UltraQ™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) (510k) Market release for the indications of Capsulotomy and Laser Iridotomy.

