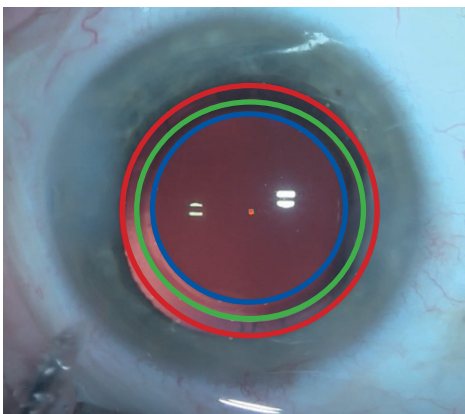




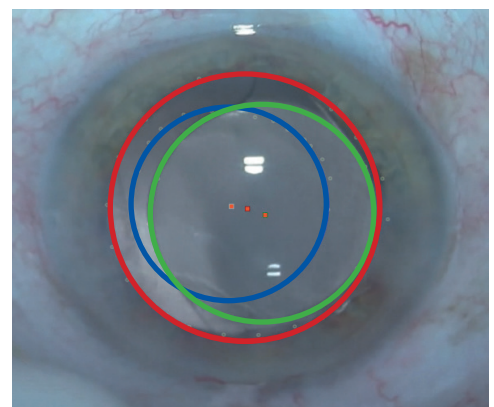
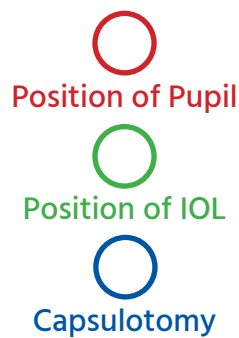
CAPSULASER®
Selective Laser Capsulotomy

Welcome to t Capsul

Precise capsulotomy size, circularity and position every time



CAPSULaser

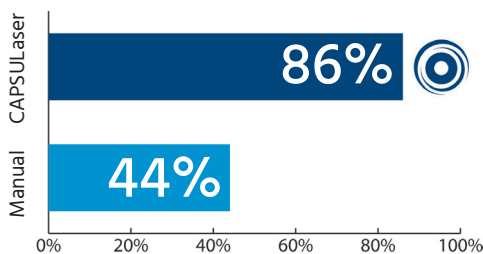


Manual

Study Results - 100% of eyes with 360° IOL coverage with the CAPSULaser Selective Laser Capsulotomy (SLC)

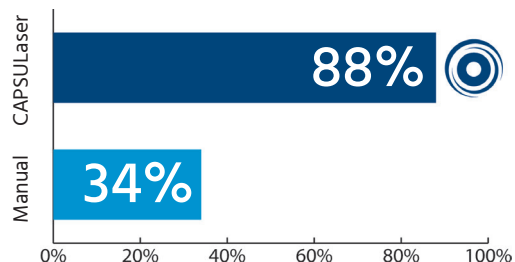
In the CAPSULaser CE Clinical study¹ superior sizing, circularity & centration resulted in 100% of the SLC eyes having full 360-degree IOL coverage by the capsulotomy compared with 91% in the CCC group. Other published studies² show even lower 360-degree IOL coverage with Manual at 72% and Femto at 89% .

Superior Diameter Accuracy



In the CAPSULaser CE Clinical study 86% of the SLC Eyes were within 0.1mm of target diameter compared to 44% in the manual capsulorhexis group.

Superior Circularity Accuracy

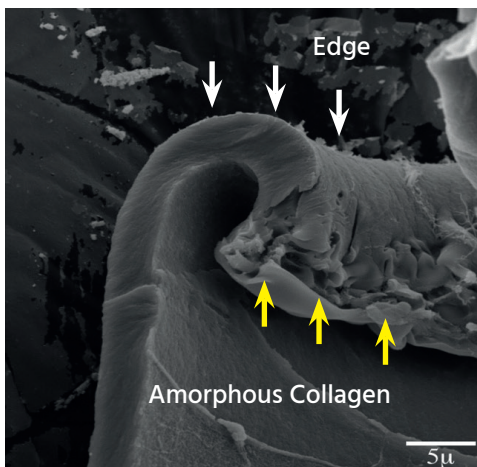


In the CAPSULaser CE Clinical study 88% of the SLC Eyes were within 99% circularity compared to 34% in the manual capsulorhexis group.

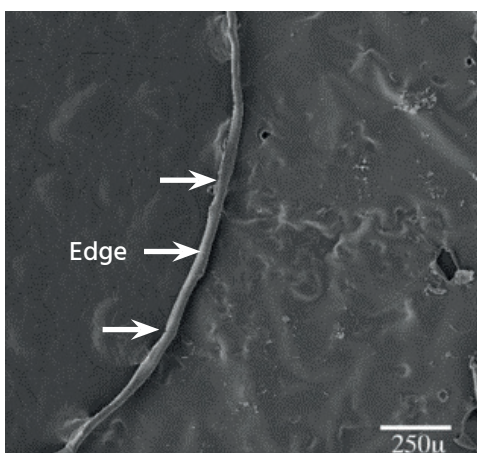
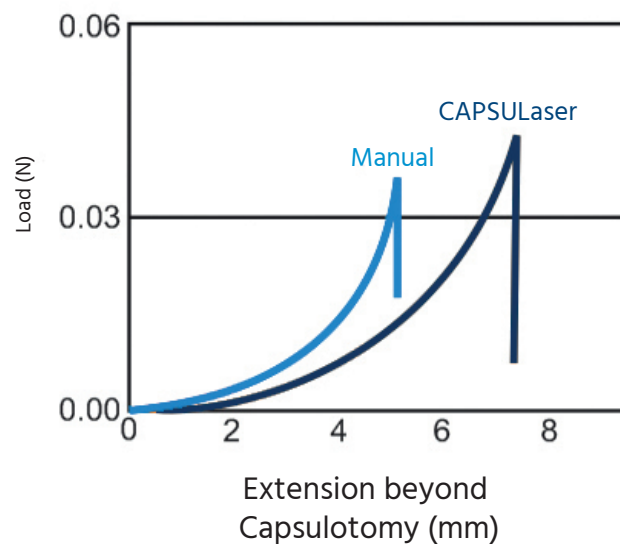
the future of lotomy

An Elastic Capsule that is strong, smooth, flexible and resistant to tearing

Doubling of the capsular edge thickness provides additional strength to the SLC edge profile. A smooth edge devoid of irregularity and defect ensures that there are no tags that create the potential for radial tear out. The transition from Type IV to amorphous collagen creates a capsulotomy rim with higher elasticity compared to manual CCC³. This phase change at the capsulotomy edge reduces the potential of tear-out under increased distension.



Cross Section SEM



Capsulotomy SEM

The ideal capsulotomy

“The ideal capsulotomy is one that can be performed rapidly and in a reproducible manner with good centration on the crystalline lens, circular with good edge strength whereby there is little or no risk of radial anterior capsular tears during cataract surgery, lens prolapse and manipulation.”

Sheraz M Daya MD FACP FACS FRCS(Ed) FRCOphth⁴



Discover CAPSULaser



CAPSULaser creates a selective laser capsulotomy in about a second. The laser energy is delivered in a continuous manner which eliminates any tissue bridges.

In clinical studies CAPSULaser has demonstrated superior consistency in creating a capsulotomy:

- 100% Free-floating capsulotomy
- 100% 360° IOL coverage

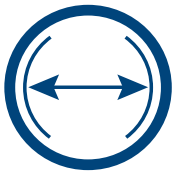


CAPSULaser offers the surgeon laser precision to:

- Pre-select the capsulotomy size from 4.5mm to 5.5mm in 0.1mm increments
- Personalize capsulotomy size and aim beam intensity
- Use intuitively

er the

Advantage



CAPSULaser creates an elastic capsulotomy rim resistant to tearing:

- Rolled over edge (double thickness)
- Smooth amorphous collagen rim
- Continuous 360° tag free profile



CAPSULaser is a small ergonomic device:

- Seamless integration into the cataract work flow
- No requirement to move patient as capsulotomy takes place at the OR microscope



CAPSULaser provides a cost and time effective solution to create the ideal capsulotomy:

- Affordable acquisition and running costs
- Short and straight forward learning curve
- Non-invasive procedure with improved visualization throughout the surgery



The New Standard in Anterior Capsule Staining

Fast Acting

CAPSULBlue® has a significantly faster stain rate than other commercially available Trypan Blue Solutions.⁵

Intense Staining

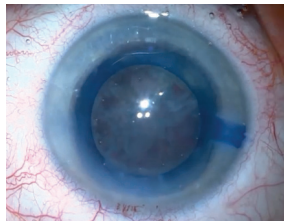
CAPSULBlue is a patented formulation with an optimized concentration of trypan blue that provides the most effective anterior capsule stain available.

Purity & Confidence

CAPSULBlue is manufactured under a proprietary purification and filtration process that consistently ensures the highest quality intraocular stain available.

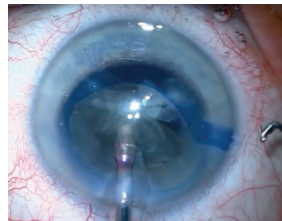


Intense Staining



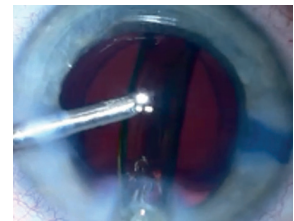
An intense capsule stain every time, highlights paracentesis incisions for easy access.

Phaco



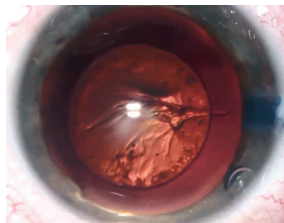
Dramatically aids visualization of the capsulotomy during phaco.

Lens Implantation



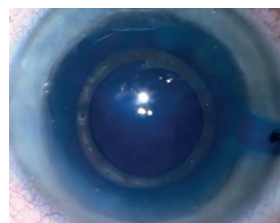
An ideal aid for "In the Bag" IOL placement.

Challenging Cases



An essential tool for use with mature cataracts with no red reflex.

CAPSULaser



The only trypan blue approved for use with CAPSULaser.

Technical Specifications

Parameter	Selective Laser Capsulotomy System
Capsulotomy Diameter Range	User selectable, 4.5 - 5.5mm in 0.1mm increments
Laser Treatment Duration	1.0 - 1.2 seconds
Treatment Laser Type	Solid State Laser
Treatment Wavelength	590 +/- 3nm
Maximum Power Output	Less than 2000mW
Duty Cycle	100%, continuous wave
European MDD Laser Classification	Class 4
Electrical Specification	120-230V 50/60Hz
Fusing	250V T 3A

Environmental Requirements

Maximum Altitude	3,900m (13,000 feet)
Operating Temperature	15-32°C (59-90°F)
Maximum Humidity	Up to 90% at 32°C (90°F)

Parameter	Aiming Beam
Aim Reticle Laser Source	Diode Laser
Aim Reticle Wavelength	635 +/- 10nm
Power Output	User selectable, maximum less than 10mW
European MDD Laser Classification	Class 2

References

1. Stodulka et al. Journal of Cataract and Refractive Surgery, in press 2019.
2. Nagy et al. Journal of Refractive Surgery, 2011; 27: 564-569.
3. Daya et al. British Journal of Ophthalmology, submitted 2018.
4. Centre for Sight, East Grinstead, W. Sussex, UK
5. EXCEL-LENS Inc, data on file 2018.



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Member of  Vision
Ophthalmology
Group



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Selective Laser Capsulotomy
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