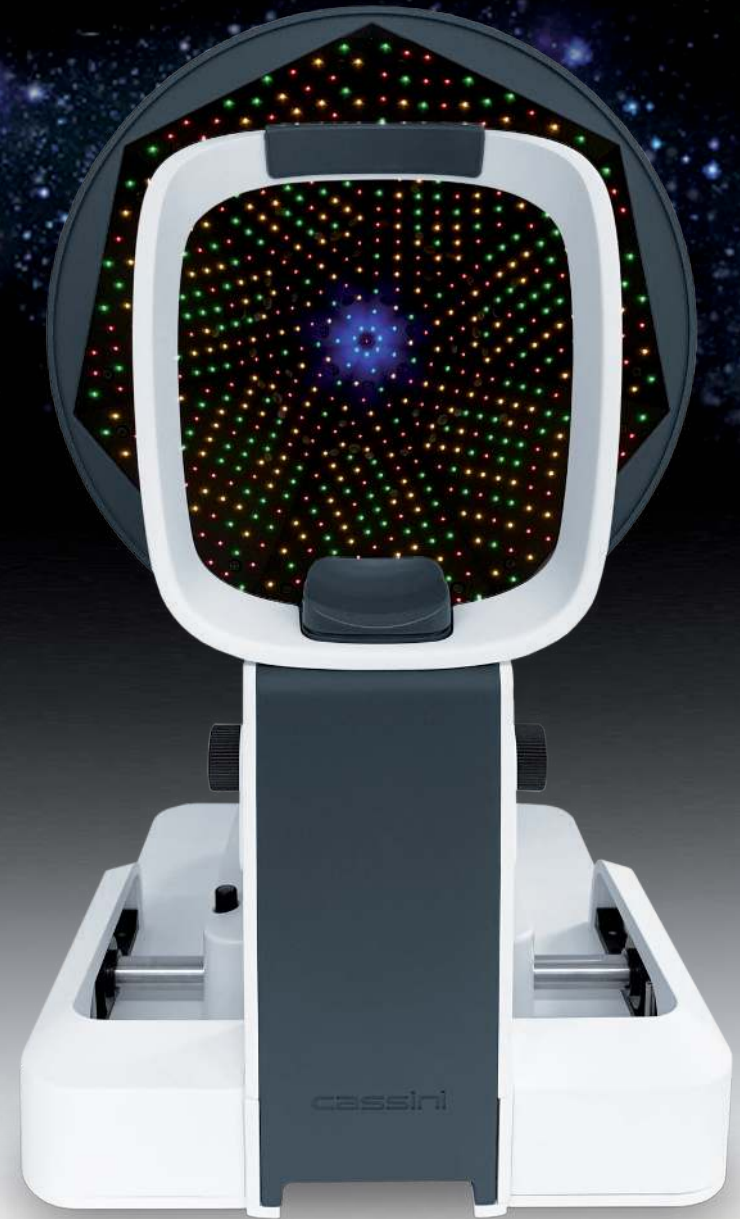


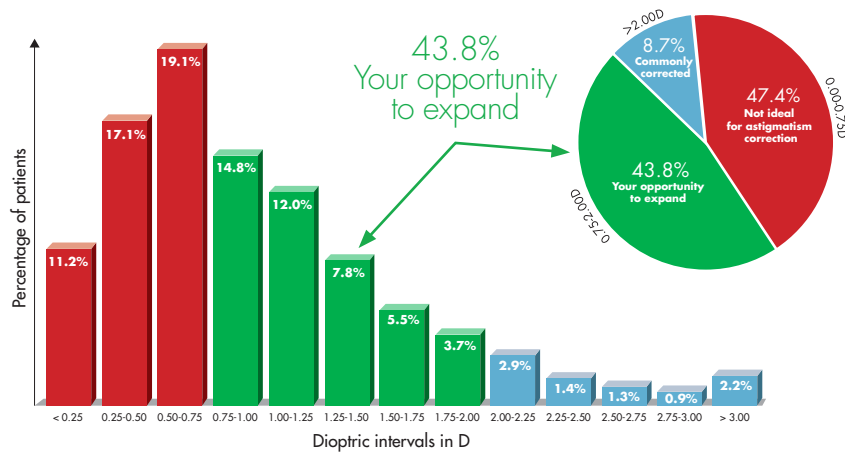


TOTAL CORNEAL ASTIGMATISM



Premium treatment starts with premium diagnosis

More than 50% of patients are eligible for astigmatic correction



Source: Hill Distribution Data. Provided courtesy of Dr. Warren Hill.

Your opportunity to expand

Most people have astigmatism to some extent. A study of more than 6,000 cataract patients confirms that over 50% of cataract patients have a level of astigmatism that falls within the range correctable by a Toric IOL. That means that a premium IOL is an excellent option for a significant number of your cataract patients.

Cassini pre-op analysis takes the mystery out of managing astigmatism:

Identify more patients eligible for astigmatism correction and increase your premium procedure volume

Select the optimal Toric IOL power with confidence based on Cassini's highly accurate TCA measurement

Place Toric IOLs or Arcuate Incisions for optimal effect with Cassini axis measurement $\pm 3^\circ$ *

* Source: Kanellopoulos, Asimellis, Friess. CRSToday 2014

What top surgeons have to say about Cassini



"Cassini is a better alternative for toric IOL planning and, as such, stands to pave the way for surgeons who have been hesitant to implant these premium lenses."

Douglas Koch, M.D.
Baylor College of Medicine, Houston, TX, USA



"Superior in central corneal measurement to Placido and Scheimpflug in case of high irregularity."

A. John Kanellopoulos, M.D.
Laservision Eye Institute, Athens, Greece
New York University Medical School, New York, USA

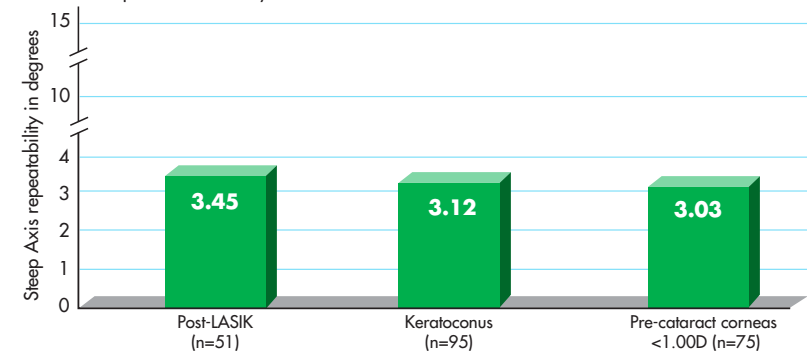


"With Cassini preoperative planning, you can confidently treat your patient's cataract with Toric IOLs and provide precise astigmatism correction in a single procedure."

Jonathan Solomon, M.D.
Solomon Eye Associates, Bowie, MD, USA

Getting the Axis right

Axis repeatability



Source: Kanellopoulos, Asimellis, Friess. CRSToday 2014

Total Corneal Astigmatism

Cassini uses patented multi-colored LED point-to-point ray tracing to provide a GPS-like analysis of the cornea along with high-resolution images utilized for surgical guidance.

The unique measuring principle enables highly accurate and repeatable measurements of the Total Corneal Astigmatism.

Cassini provides important information to properly select the appropriate astigmatism correction and axis orientation.

Improved patient comfort

- The latest version of Cassini provides reduced illumination levels during acquisition for improved patient comfort

Faster acquisitions

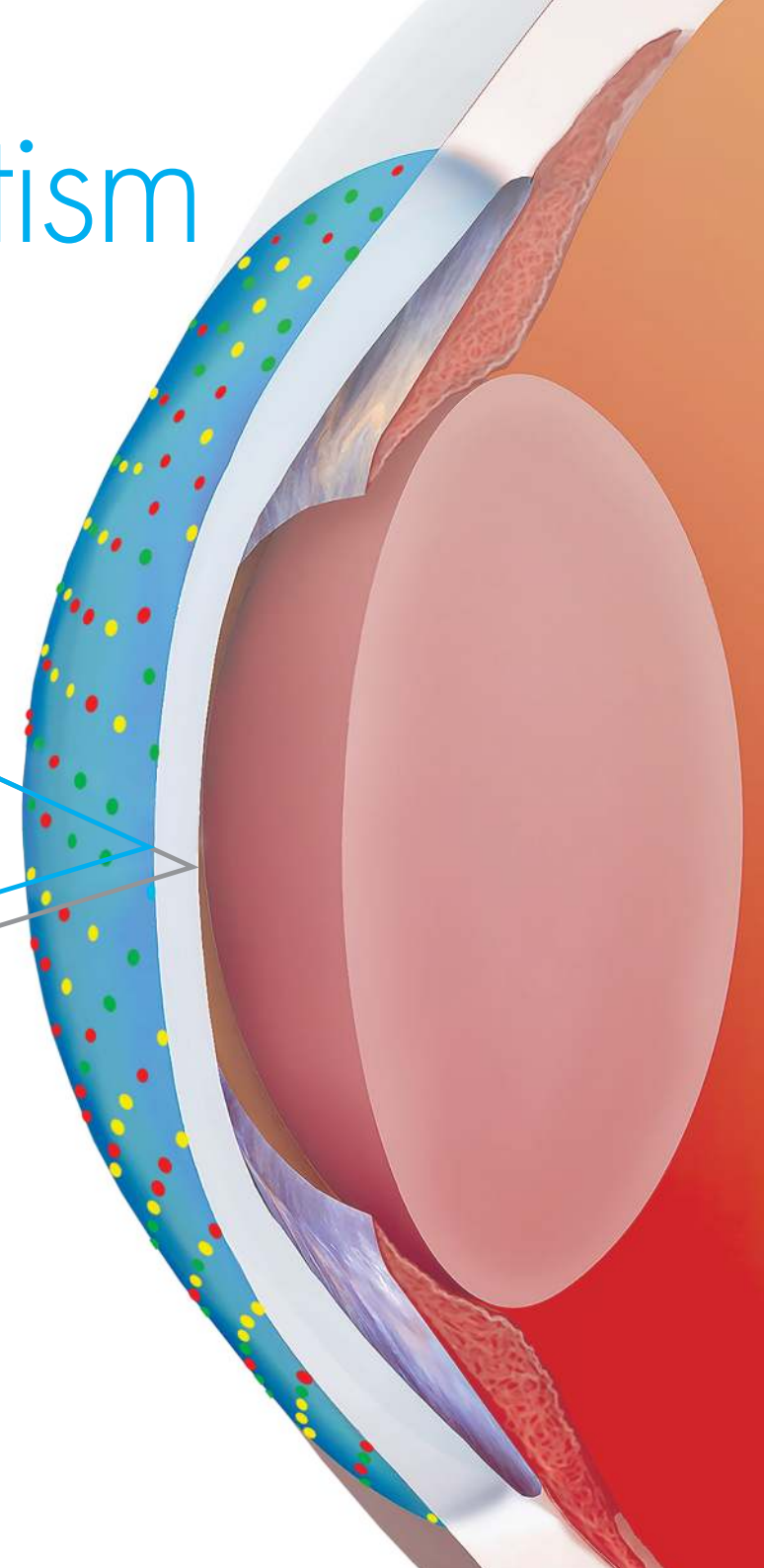
- Low illumination levels combined with auto-capture lead to faster acquisitions

Reliable results

- Trusted point reflection technology

Multi-colored
LED point-to-point
ray tracing

2nd Purkinje
point-to-point
ray tracing
technology



Cassini Specifications	
Axis	<ul style="list-style-type: none"> • Multicolor LED Ray-Tracing combined with 2nd Purkinje Imaging Technology • Anterior Axis repeatability within 3 degrees
Magnitude	<ul style="list-style-type: none"> • Display K-values per zone, with 3mm K-simulation data summary • Keratometric indices display of Steep, Flat and Average in Diopters and millimeters for Anterior, Posterior and Total Corneal Astigmatism
Capture	<ul style="list-style-type: none"> • Auto and Manual Capturing with joystick positioning • Accuracy verification with Quality Factors • Auto Photopic pupil size, White-to-White and Pupil Centre Off-set (Angle KAPPA) detection • Topographic indices: E (Shape factor), e (eccentricity), Q (Asphericity), p (form factor) • Keratoconus screening indices: SAI (Surface Asymmetry Index), SRI (Surface Regularity Index) • Anterior Corneal Aberrations: Individual numeric parameter analysis and total HOA parameter display • Instantaneous Iris and Scleral registration
Accuracy	<ul style="list-style-type: none"> • Submicron accuracy due to 679 Multicolor LED's
Technology	<ul style="list-style-type: none"> • Pupillometry programs - Mesopic & Photopic • External Ocular Photography • Topographic maps - Axial, Refractive, Tangential, Elevation, High Order Aberrations, Iris Registration and Color Image Registration • Multiple color keys for topography maps customization • Incorporated Patient Management program • USB, Various Report printing options, PDF, JPG, PNG

For more information:

Cassini USA - +1 888 660 6965

Cassini Global - +31 70 399 31 12

info@cassini-technologies.com

www.cassini-technologies.com

Cassini Technologies BV, Anna van Buerenplein 40A, 2595DA, The Hague, The Netherlands.

