A formidable connection

Leading light in world vision

A formidable connection
Driven by insatiable curiosity, the love of science and passion for vision, Cassini has been dedicated to pushing the boundaries on personalized, thorough and accurate corneal diagnostic solutions for well over a decade.

Independently, and in collaboration with our vision-care partners, we strive to make the gift of lifelong sight accessible and possible the world over.

As innovative and progressive thought-leaders, we empower surgeons with the efficient, user-friendly tools, collaboration and support they need to make confident decisions for optimal outcomes. We care, and we love those who care as much as we do. Our partners in vision-care share our beliefs and together we are a formidable connection.
THE CLINICAL NEED
TO MANAGE ASTIGMATISM

- 70% Cataract patients with clinically significant astigmatism (>0.5D) \(^1\)
- 51% Undertreated astigmatic and cataract patients
  - 9% treated with toric IOLS and
  - 10% treated with LRI or AI \(^2,3,4\)
- 80% Cataract patients interested in a spectacle-free solution \(^5\)
- 37% Undertreated cataract patients interested in premium cataract surgery \(^6\)

Refers to back page for references.
THE PROVEN WAY TO MAXIMIZE SUCCESS

The evolved and all-new Cassini Ambient assesses ocular surface stability, measures the posterior cornea, and detects corneal irregularities with LED topography.

SPEED
- Ambient illumination for ultimate patient comfort
- Seamless imaging for FLACS connectivity
- Instantaneous capturing of all measurements on visual axis

EFFICIENCY
- Automated transfer of patient data, corneal information and iris registration
- Integrated ocular surface visualization

ACCURACY
- Reliable results with trusted Total Corneal Astigmatism LED topography
- Individual posterior corneal astigmatism measurements
- Accurate astigmatism correction with precise toric axis alignment

Refer to back page for references
WHAT TOP SURGEONS 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
CASSINI
SPECIFICATIONS

Submicron accuracy with up to 700 ambient multicolor LEDs combined with 2nd Purkinje raytracing technology

Anterior axis repeatability within 3 degrees

Keratometric data display of Steep, Flat and Average in Dipters and millimeters for anterior, posterior and Total Corneal Astigmatism (TCA)

Topographic indices: Shape factor (E), eccentricity (e), Asphericity (Q) and form factor (p)

Topography mapping: Axial, Refractive, Tangential and Elevation

Multiple color keys for topography map customization

Keratoconus screening indices: Surface Asymmetry Index (SAI) and Surface Regularity Index (SRI)

Corneal aberrations with individual Zernike terms and total HOA parameter display

Multifocal IOL suitability module with White-to-White, Pupillometry, Angle Alpha and Angle KAPPA

External Ocular Photography

Seamless ocular surface screening and visualization module

Automated and manual capturing with joystick positioning on visual axis

Accuracy verification with Quality Factors

Incorporated Iris Registration for Femtosecond Laser Assisted Cataract Surgery (FLACS)

Encrypted patient management with various clinical report export options: DICOM, USB, Wi-Fi, PDF, JPG and PNG

CONTACT US TO TRADE-IN YOUR CASSINI FOR THE EVOLVED AND ALL-NEW CASSINI AMBIENT

Refer to back page for references
REFERENCES

1. RO Staff, Cataract Patients Carry Significant Burden of Pre-op Astigmatism, Review of Optometry, October 9, 2018
2. RO Staff, Cataract Patients Carry Significant Burden of Pre-op Astigmatism, Review of Optometry, October 9, 2018
3. Steven J. Dell, MD, Comoderator; Stephen G. Slade, MD, FACS, Comoderator; J. Andy Corley; John F. Doane, MD; Kendall E. Donaldson, MD, MS; Guy M. Kezirian, MD; Vance Thompson, MD, FACS; Kenneth J. Rosenthal, MD, FACS; Bennett Walton, MD, MBA; William F. Wiley, MD. CRS Today, The Premium IOL Channel Pitfalls Prospects, May 2018, Market Scope 2019, IOL Market Report, April 2019 (estimated values as rates vary by region)