CLINICAL LEADERSHIP MEETS PRACTICE GROWTH

LENS EXTRACTION

CATALYS® PRECISION LASER SYSTEM
The CATALYS® Precision Laser System is specifically engineered to meet your current challenges while priming your practice for the future of cataract surgery.

By delivering a purpose-driven combination of outstanding clinical outcomes, immediate practice integration and a premium patient experience, it empowers you to seamlessly elevate your practice today — and prepare to seize the opportunities of tomorrow.

**YOUR PREMIUM ASSET**

**OUTSTANDING CLINICAL OUTCOMES**

**IMMEDIATE PRACTICE INTEGRATION**

**PREMIUM PATIENT EXPERIENCE**

**INDICATIONS:** The OptiMedica® CATALYS® Precision Laser System is indicated for use in patients undergoing cataract surgery for removal of the crystalline lens. Intended uses in cataract surgery include anterior capsulotomy, phacofragmentation, and the creation of single-plane and multi-plane arc cuts/incisions in the cornea, each of which may be performed either individually or consecutively during the same procedure. See Important Safety Information continued on page 15.
The CATALYS® System is designed for a high standard of clinical precision. It delivers complete capsulotomies and excellent fragmentation so you can give your patients reliably outstanding results.

**HIGHLY ACCURATE CAPSULOTOMIES**
- Demonstrates consistently higher precision and accuracy compared to competing laser systems
- INTEGRAL GUIDANCE Technology for precise positioning
- True non-applanating interface to minimize corneal folds
- Maintains near-perfect size and shape postoperatively
- Twice as strong as manual capsulotomies

**ON THE PATH TO SURGICAL PERFECTION.**

>99% The CATALYS® System has the highest demonstrated rate of complete 360° capsulotomies

**COMPLETE SOFTENING AND SEGMENTATION**
- Optimize lens fragmentation with advanced, automatic tilt management
- Full-volume, 3D, high-definition, streaming OCT imaging to customize lens fragmentation to precise eye orientation
- High-quality fragmentation, even in dense cataracts

**PRECAUTIONS:** The CATALYS® System has not been adequately evaluated in patients with a cataract greater than Grade 4 (via LOCS III); therefore no conclusions regarding either the safety or effectiveness are presently available. See Important Safety Information continued on page 15.
The CATALYS® System offers highly precise and personalized treatments, including intrastromal and anterior penetrating incisions, allowing you to tailor each procedure to your patients’ unique ocular anatomy for extraordinary clinical outcomes.

OPTIMIZE PROCEDURES WITH VERSATILE INCISION OPTIONS
• Optimized cataract incision placement and personalization with INTEGRAL GUIDANCE Technology
• Wide, side-cut angle (anterior) range of 30–150° for anterior penetrating and intrastromal incisions
• Incredible flexibility in incision type and depth for arcuate incisions

Arcuate incisions clinically validated within:

- $0.83 \pm 0.66\%$ of intended optical zone
- $0.22 \pm 0.20\°$ of intended axis
- $0.22 \pm 0.29\°$ of intended length

OUTCOMES THAT STAND APART
Achieve excellence with a platform engineered for premium results.

- Incisions personalized to each patient’s unique anatomy
- Minimal post-operative corneal edema and inflammation
- Non-applanting patient interface helps maintain IOP
- Lower subconjunctival hemorrhage rates associated with non-contact patient interface
- Enables fluidics-driven lens extraction

FLEXIBLE INCISION OPTIONS allow for more personalized and precise surgical procedures.

ANTERIOR PENETRATING INCISIONS

<table>
<thead>
<tr>
<th>Side Cut Angle</th>
<th>Uncut Posterior 20%</th>
<th>Uncut Posterior 20%</th>
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<tbody>
<tr>
<td>90°</td>
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<tr>
<td>120°</td>
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INTRASTROMAL INCISIONS

<table>
<thead>
<tr>
<th>Side Cut Angle</th>
<th>Uncut Posterior 20%</th>
<th>Uncut Posterior 20%</th>
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PRECAUTIONS: Cataract surgery may be more difficult in patients with an axial length < 22 mm or > 26 mm, and/or an anterior chamber depth < 2.5 mm due to anatomical restrictions. See Important Safety Information continued on page 15.
Empower your surgical technique with full-volume, 3D, high-resolution, streaming optical coherence tomography (OCT) imaging and INTEGRAL GUIDANCE Technology. These leading innovations work together to help you deliver optimal, precise treatment.

**STREAMING 3D OCT IMAGING**
- Identifies anterior cornea, posterior cornea, iris, anterior lens and posterior lens
- Performs > 10,000 A-scans to capture high-resolution data for the full volume of the anterior segment
- Completed scans provide axial and sagittal cross sections
- Streaming OCT refreshed at 0.5–2 Hz for uninterrupted visualization of the eye throughout treatment

**INTEGRAL GUIDANCE TECHNOLOGY**
- Generates accurate pictures of the anterior chamber using 3D OCT imaging data
- Incision orientation and depth mapped based on the treatment plan
- Provides safety zones that adapt for lens tilt and maximize lens fragmentation volume

**BACK YOUR OUTCOMES** with guided delivery that accounts for lens tilt, eye movement and unique ocular structures

- Anterior cornea
- Posterior cornea
- Iris/pupil
- Anterior capsule
- Posterior capsule

**LENSE EXTRACTION**
EASY INTEGRATION. PREMIUM GROWTH.

With high customer satisfaction\textsuperscript{11} and streamlined procedures that are easy on both surgeons and patients,\textsuperscript{12} the CATALYS® System helps elevate your practice while delivering a seamless integration experience.

MORE PATIENTS. MORE PREMIUM PROCEDURES.

Drive growth through increased volume and premium conversion.

Attract more cataract patients to your practice\textsuperscript{11}

Convert more patients to premium procedures and IOLs\textsuperscript{11,12}

High adoption within practices\textsuperscript{13}

High consumer satisfaction\textsuperscript{4}

Treat more patients

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Treat more patients

EASY ON SURGEONS GENTLE ON PATIENTS.

The CATALYS® System is designed to fit into your practice with minimal disruption, offering an intuitive and streamlined workflow from start to finish.

PLAN

Start each procedure with the ease of template-based treatment plans and surgeon set-ups that allow fast, efficient surgical planning and customization. The user-friendly interface leads you through the procedure, offering guidance and flexibility from start to finish.

PRECAUTIONS: Patients must be able to lie flat and motionless in a supine position and able to tolerate local or topical anesthesia. See Important Safety Information continued on page 15.

ENGAGE

Access non-applanating LIQUID OPTICS Interface for patient comfort and guided docking that delivers an incredibly gentle and quick procedure, maintains IOP and doesn’t produce corneal folds.

VISUALIZE & CUSTOMIZE

Capture accurate visuals of the anterior chamber’s landscape with full-volume, 3D, high-resolution OCT images. INTEGRAL GUIDANCE Technology identifies anatomical landmarks to ensure precise incisions, maps safety zones and optimizes lens fragmentation by adapting for tilt and cyclorotation.

TREAT

Ensure confidence in your delivery with a system that adapts to unforeseen changes, offers a variety of options throughout the procedure and lets you visualize the entire process with streaming video.
MORE PATIENTS PREFER THE CATALYS® SYSTEM.¹⁶

The CATALYS® System empowers you to deliver on patient expectations by combining remarkable outcomes and a gentle, streamlined patient experience.

PATIENT-FOCUSED PROCEDURES

• Quick and gentle docking for patient comfort
• Personalized surgical procedure from planning to incision
• Adaptive user interface for outstanding clinical outcomes

“I have been very impressed with how quickly patients have embraced the CATALYS® System and how easily and rapidly I’ve been able to integrate the technology into my practice. The precision and accuracy are obvious, and patients are clearly benefiting from the enhanced performance that the system provides.”

– Prof. H. Burkhard Dick, MD, PhD
Bochum University Eye Clinic
Bochum, Germany

Non-applanating patient interface offers comfortable, streamlined docking

Minimal post-op corneal edema and inflammation⁸

Interface design minimizes scleral contact, reducing post-surgery eye redness⁹

Gentle, guided docking with reduced forces during treatment

IT ALL STARTS WITH AN OUTSTANDING INTERFACE

• True non-applanating surface does not produce corneal folds, resulting in outstanding incisions⁶
• Not contraindicated for patients with glaucoma
• Clear optical path with wide aperture optimal for corneal incisions

MORE PATIENTS PREFER THE CATALYS® SYSTEM.¹⁶

The CATALYS® System is the only LCS system available that offers two patient interface sizes for the ability to comfortably dock more patients.*

* This comparison is based on publicly available sources regarding LENSAR® System, LenSx® System and VICTUS® System in the U.S. as of October 2015. They are subject to change at the discretion of their respective manufacturers.
CLINICAL LEADERSHIP MEETS PRACTICE GROWTH.

Engineered to produce optimal clinical outcomes, seamless practice integration and a premium patient experience, the CATALYS® System is the flexible and accurate LCS platform from an innovative partner that consistently brings the future into focus.

ABBOTT TOTAL CATARACT SOLUTION

- Wide portfolio to meet your unique needs
- Flexibility so you can be ready for the future
- Intraocular lenses, implantation tools, laser cataract surgery innovations, phacoemulsification systems, ophthalmic viscosurgical devices, accessories, inventory management and ordering support

ABSTRACT


- Add on-demand fluidics and true low-energy lens extraction after CATALYS® System softening and segmentation with the WHITESTAR SIGNATURE® PRO Phacoemulsification System.

OUTSTANDING CLINICAL OUTCOMES

- Most accurate LCS platform backed by 3D OCT imaging and image guidance
- > 99% complete capsulotomy rate
- Complete softening and optimized segmentation
- Incredibly flexible incision options

IMMEDIATE PRACTICE INTEGRATION

- More patients and premium procedures
- High consumer satisfaction
- Easy on both surgeons and patients

PREMIUM PATIENT EXPERIENCE

- More patients prefer the CATALYS® System
- Quick, gentle docking and a true non-applanating interface
- Precise, personalized incisions for outcomes that stand apart

INDICATIONS AND IMPORTANT SAFETY INFORMATION FOR THE CATALYS® PRECISION LASER SYSTEM

Rx Only

CONTRAINDICATIONS: The CATALYS® System is contraindicated in patients with corneal ring and/or inlay implants, severe corneal opacities, corneal abnormalities, significant corneal edema or diminished aqueous clarity that obscures OCT imaging of the anterior lens capsule, patients younger than 22 years of age, descemetocele with impending corneal rupture, and any contraindications to cataract surgery. WARNINGS: Prior to INTEGRAL GUIDANCE System imaging and laser treatment, the suction ring must be completely filled with sterile buffered saline solution. If any air bubbles and/or a meniscus appear on the video image before treatment, do not initiate laser treatment. Before initiating laser treatment, inspect images created from the OCT data, surface fits, and overlaid pattern in both axial and sagittal views, and review the treatment parameters on the Final Review Screen for accuracy. Safety margins for all incisions are preserved only if Custom Fit Adjustments to ocular surface(s) are applied in accordance with the instructions for use. Purposeful misuse of the Custom Fit Adjustment to ocular surfaces can result in patient injury and complication(s), and therefore must be avoided. Standard continuous curvilinear capsulorhexis (CCC) surgical technique must be used for surgical removal of the capsulotomy disc. The use of improper capsulotomy disc removal technique may potentially cause or contribute to anterior capsulotomy tear and/or a noncircular, irregularly shaped capsulotomy. Verify that the suction ring is correctly connected to the disposable lens component of the LIQUID OPTICS Interface during the initial patient docking procedure. PRECAUTIONS: Use caution when treating patients who may be taking medications such as alpha blockers (e.g., Flomax®) as these medications may be related to Intraoperative Floppy Iris Syndrome (IFIS); this condition may include poor preoperative dilation, iris billowing and prolapse, and progress intraoperative miosis. These conditions may require modification of surgical technique such as the utilization of iris hooks, iris dilator rings, or viscoelastic substances. Surgical removal of the cataract more than 30 minutes after the laser capsulotomy and laser lens fragmentation has not been clinically evaluated. The clinical effects of delaying surgical removal more than 30 minutes after the laser capsulotomy and laser lens fragmentation are unknown. See Important Safety Information continued on page 16.
IMPORTANT SAFETY INFORMATION FOR THE CATALYS® PRECISION LASER SYSTEM (CONTINUED)

PRECAUTIONS (continued): The LIQUID OPTICS Interface is intended for single patient use only. Full-thickness corneal cuts or incisions should be performed with instruments and supplies on standby, to seal the eye in case of anterior chamber collapse or fluid leakage. Patients who will undergo full-thickness corneal incisions with the CATALYS® System should be given the same standard surgical preparation as used for patients undergoing cataract surgery for the removal of the crystalline lens. During intraocular surgery on patients who have undergone full-thickness corneal incisions with the CATALYS® System, care should be taken if an eyelid speculum is used, in order to limit pressure from the speculum onto the open eye. Patients who will be transported between the creation of a full-thickness corneal incision and the completion of intraocular surgery should have their eye covered with a sterile rigid eye shield, in order to avoid inadvertent eye injury during transport. ADVERSE EFFECTS: Complications associated with the CATALYS® System include mild Petechiae and subconjunctival hemorrhage due to vacuum pressure of the LIQUID OPTICS Interface suction ring. Potential complications and adverse events generally associated with the performance of capsulotomy and lens fragmentation, or creation of a partial-thickness or full-thickness cut or incision of the cornea, include: Acute corneal clouding, age-related macular degeneration, amaurosis, anterior and/or posterior capsule tear/rupture, astigmatism, capsulorrhexis notch during phacoemulsification, capsulotomy/lens fragmentation or cut/incision decentration, cells in anterior chamber, choroidal effusion or hemorrhage, conjunctival hyperemia/injection/erythema/chemosis, conjunctivitis (allergic/viral), corneal abrasion/deepithelization/epithelial defect, corneal edema, cystoid macula edema, Descemet's detachment, decentered or dislocated intraocular lens implant, diplopia, dropped or retained lens, dry eye/superficial punctate keratitis, edema, elevated intraocular pressure, endothelial decompensation, floaters, glaucoma, halo, inflammation, incomplete capsulotomy, intraoperative floppy iris syndrome, iris atrophy/ extrusion, light flashes, meibomitis, ocular discomfort (e.g., pain, irritation, scratchiness, itching, foreign body sensation), ocular trauma, petechiae, photophobia, pigment changes/pigment in corneal endothelium/foveal region, pingueculitis, posterior capsule opacification, posterior capsule rupture, posterior vitreous detachment, posteriorly dislocated lens material, pupillary contraction, red blood cells in the anterior chamber (not hyphema), residual cortex, retained lens fragments, retinal detachment or hemorrhage, scar in Descemet's membrane, shallowing or collapsing of the anterior chamber, scoring of the posterior corneal surface, snailtrack on endothelium, steroid rebound effect, striae in Descemet's, subconjunctival hemorrhage, thermal injury to adjacent eye tissues, toxic anterior shock syndrome, vitreous in the anterior chamber, vitreous band or loss, wound dehiscence, wound or incision leak, zonular dehiscence. CAUTION: Federal law (USA) restricts this device to sale by or on the order of a physician. The system should be used only by qualified physicians who have extensive knowledge of the use of this device and have been trained and certified. ATTENTION: Reference the labeling for a complete listing of Indications and Important Safety Information.

INDICATIONS AND IMPORTANT SAFETY INFORMATION FOR THE WHITESTAR SIGNATURE® PRO PHACOEMULSIFICATION SYSTEM

Rx Only

INDICATIONS: The AMO WHITESTAR SIGNATURE® PRO Phacoemulsification System is a modular ophthalmic microsurgical system that facilitates anterior segment (i.e., cataract) ophthalmic surgery. The modular design allows the users to configure the system to meet their surgical requirements.

IMPORTANT SAFETY INFORMATION: Risks and complications of cataract surgery may include broken ocular capsule or corneal burn. This device is only to be used by a trained licensed physician. ATTENTION: Reference the labeling for a complete listing of Important Indications and Safety Information.