TrueGuide®
Computer Guided Surgery
For the Digital Microscope Platform
Because of the unique design of TrueGuide’s on-screen templates, combined with the intelligent pre-surgery planning of the TruePlan software, I am easily able to achieve targeted refractive outcomes in most every cataract case. For this reason, TrueGuide is now the standard of care in my practice.

Jonathan D. Solomon, M.D.
Director, Refractive, Cataract Surgery
Solomon Eye Physicians & Surgeons
PATENTED COMPUTER GUIDANCE

TrueGuide® is a state of the art, patented guidance application designed to improve patient outcomes during cataract surgery and at the same time promote surgeon comfort.

Using intelligent data from the TruePlan™ application, TrueGuide projects guidance templates onto the live surgical field of view to assist surgeons in navigating IOL alignment and centration, LRI incisions, AK and more.

Fully customizable, TrueGuide is personalized to the patient and also specific to a surgeon’s preferences.

Because premium cataract surgery has become highly complex with more decisions made at the time of surgery, TrueGuide was designed to adjust on the fly, instantly accounting for complex variables.

Both the Mobile and Integrated Digital Microscope Platforms are available with TrueGuide and its accompanying TruePlan, pre-surgical planning application.

TrueGuide® FEATURES

- Delivers precise surgical guidance through its patented markerless system
- Works with all toric intraocular lens choices
- Targets lowest residual astigmatism with dynamic IOL calculator
- Accounts for cyclotorsion and surgically induced astigmatism (SIA)
- Provides auto-registration of pre-operative image to live surgery with robust eye tracking
- Refines the surgical plan before and during the procedure with Dynamic Optimization™
- Customizable surgeon nomograms, refines in real-time.
- Integrates seamlessly with existing OR equipment and patient data

See surgeon-reported outcomes at www.truevisionsys.com/results/html.
TRUEPLAN™

Intelligent TruePlan Integrates with TrueGuide

The TruePlan™ application plays a key role in TrueGuide’s success. Used by ophthalmologists and surgical staff for corneal incision guidance and intraocular lens (IOL) positioning during cataract surgery, TruePlan collects and utilizes numerous variables to generate a customized surgical plan with targeted refractive outcomes.

Variables include:
- Patient data
- Surgeon data (personal nomogram)
- Eye measurements (degrees and axis of astigmatism)
- Image of the eye
- Patient intraocular lens selection

The system’s unique Dynamic Optimization™ technology instantly reacts to changes and variable updates at all stages from pre-planning to live surgery, automatically updating the plan, recalculating predicted refractive outcomes and transferring the new plan in real-time to the surgical field of view.

TruePlan has the capability to seamlessly integrate with numerous OR technologies including topographers, femtosecond lasers and more. The plan is key in helping TrueGuide® generate the patented on-screen guidance templates used for arcuate and primary incision placement, as well as lens alignment.

Features
- Simple and intuitive graphical user interface
- Automated or manual targeted refractive outcomes
- Customizable surgical plan based on lens choice
- Works with all toric intraocular lens choices
- Dynamic surgical plan can be refined before or during the procedure
- Customizable surgeon nomograms
- Point solution works with existing equipment
- Fully automated workflow with topographers including i-Optics’ Cassini corneal analyzer.

Corneal analyzer (left) automatically transfers data to TruePlan™ pre-surgical planning software.
PROOF POINTS

TrueVision’s planning and guidance applications were designed to improve astigmatic outcomes and promote surgeon comfort. Across the U.S., TrueGuide is used as a key tool in delivering excellent surgical results.

A collection of the most intriguing surgeon-reported data can be found at www.truevisionsys.com/results.html.

TrueGuide® is uniquely designed for use with a wide variety of ophthalmic procedures.

Toric IOL Uncorrected Distance Visual Acuity

Source: Jonathan Solomon, MD. ACOS/CXL Congress Deer Valley 2014

TrueGuide® is designed to improve patient outcomes.
“Easy integration with multiple OR systems and patient data is a must-have in our practice. TrueGuide and TruePlan seamlessly integrate with our Cassini topographer, femtosecond lasers* and aberrometers. As a surgeon it’s fantastic when software easily talks to and runs in the background, and at the same time, incorporates a multitude of data points with surgical tendencies.”

Robert J. Weinstock, M.D.
The Eye Institute of West Florida

*investigational device
INTEGRATION

TrueGuide easily integrates with a variety of OR related equipment, at every stage of a cataract or refractive procedure.

Its uniquely engineered code has the capability to communicate with leading topographers including those from i-Optics’ and Oculus and also with femtosecond lasers.

TrueGuide facilitates integrated viewing on a variety of aberrometers including Alcon’s Ora whose data is seamlessly projected onto the surgical field of view in a form the entire OR can see. Even phaco machines benefit from TrueGuide patented technology through its ability to integrate customized settings into the Digital Microscope Platform.

TrueGuide can also be purchased with image injection technology where guidance templates are injected into the oculars of Leica Microsystem’s ophthalmic microscopes.