ZEISS Cataract Suite markerless
Markerless toric IOL alignment with products designed to work together
The moment you reach precise results. Fast.  
**This is the moment we work for.**
Building on a history of innovations

ZEISS Cataract Suite is a complete portfolio

Today, you want to provide excellent outcomes for your patients using the latest technology that fits your practice. The cataract workflow involves many different steps and devices, from diagnosis to post surgery. What if these products worked together to make this process faster, more efficient and precise?

We at ZEISS create products for the entire cataract workflow. Our products improve the efficiency of your cataract practice and, with IOLs such as our trifocal, also patient outcomes.

Products designed to work together for markerless toric IOL alignment

Now during the surgical process to implant a toric IOL, you can skip manual steps. You can skip the manual pre- and intra-operative marking steps and manual data transfer. This provides a high comfort for your patients and more peace of mind for you.

You can rely on ZEISS. You can rely on the ZEISS Cataract Suite markerless products. Products that are designed to work together, for a high level of precision and efficiency by skipping manual steps for toric IOL alignment. Now and in the future.

All from one trusted partner – ZEISS.
The direct way to precise \(^1\) toric IOL alignment
Integrated. Precise \(^1\). Markerless.

**IOLMaster 500**
Precise \(^1\) alignment starts with excellent biometry from the ZEISS IOLMaster® 500. The new Option Reference Image is the starting point of a markerless toric IOL workflow.

Building on gold standard biometry.

**CALLISTO eye**
Connecting you and your devices, the computer assisted cataract surgery system ZEISS CALLISTO eye\(^*\) creates the overlays for the surgical microscope using data retrieved from the data management system ZEISS FORUM\(^*\).

Designed to work together.

**OPMI LUMERA family\(^2\)**
All the information you need is injected into the eyepiece of the surgical microscopes of the ZEISS OPMI LUMERA\(^*\) family\(^2\) to assist in precise \(^1\) toric IOL alignment.

Building on gold standard visualization.

- Manual pre-op marking – just skip it
- Manual data transfer – just skip it
- Manual intra-op marking – just skip it
Biometry and reference image
Skip pre-operative corneal marking and avoid detours

IOLMaster 500 with the new Option Reference Image automatically acquires the reference image in case of astigmatism during routine biometry. An image of the eye is taken along with the keratometry measurement, all with one device. Both reference image and keratometry data are transferred to the CALLISTO eye computer assisted cataract surgery system. The image is later used for intra-operative matching with the live eye image. No pre-operative corneal marking. No additional measurements for toric IOL alignment are needed later. One device, one click, all the data.

- Proven biometry and keratometry – trust the experience of more than 100 million IOL power calculations
- Proven toric outcomes – studies show that reported clinical outcomes based on the biometry from the IOLMaster 500 as well as optimized IOL constants, with regard to residual astigmatism, exceed or are equal to those using the manual keratometry

Data transfer
Skip manual data transfer and avoid hassles

With one click, FORUM data management system receives the biometry data and reference image in DICOM format for later import into the computer assisted cataract surgery system CALLISTO eye. No need for manual transfer of data via portable storage media. Data when and where you need it.

- Review of data – the IOLMaster 500 report with all relevant biometry data is available anywhere
- Reference image imported to CALLISTO eye at the touch of a button
- Ready to use, no complex installation

Seamless data transfer.
Surgery and alignment
Skip manual intra-operative marking and align precisely\(^1\)

CALLISTO eye matches the reference image for alignment to the patient’s eye and tracks the image in real time. The target axis is displayed as an overlay on the live image for markerless and precise\(^1\) toric IOL alignment. No intra-operative marking of the cornea is necessary. Just skip it.

- Imports patient data from FORUM at the touch of a button
- Assistance Functions for surgery
- Provides full HD display and fully flexible HD recording, including overlays

Visualization
Skip changing your visual field of reference and stay focused

Result: Precise\(^1\) and efficient toric IOL alignment

The data injection function of the OPMI LUMERA family\(^2\) displays the markerless toric IOL alignment data in high resolution and color right where you need it — in the eyepiece. No distraction from the surgical field. Pure focus.

- Crisp and clear visualization
- Multicolor display configurable by surgeon
- Integrated controls for relevant CALLISTO eye functions

HD video recording including assisting overlay function
**ZEISS Cataract Suite** markerless

Products designed to work together for markerless toric IOL alignment

- Computer assisted surgery for precise toric IOL alignment
- Efficient and reliable data transfer from biometry to surgery
- No manual eye marking

1. Clinical data of Prof. Findl / Dr. Hirnschall presented at ESCRS 2013 – technically verified pre-/intraoperative matching precision ± 1.0° in mean
2. **ZEISS Cataract Suite** markerless is available with: S7 / OPMI Lumera, S88 / OPMI Lumera T, OPMI Lumera i and OPMI Lumera 700

With our comprehensive portfolio we will continue to advance cataract surgery. **Now and in the future.**
The contents of the brochure may differ from the current status of approval of the product in your country. Please contact our regional representative for more information. Subject to change in design and scope of delivery and as a result of ongoing technical development.

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