ZEISS MICS Platform
Micro Incision Cataract Surgery
The moment you realize that big opportunities come from small incisions. **This is the moment we work for.**
The history of cataract surgery has been a steady move toward smaller incisions – to Micro Incision Cataract Surgery.

The need to reduce the incision size has been driven by the astigmatism induced by larger incisions, interfering with the predictability of the postoperative visual and refractive results.

With the widest range of MICS IOLs, innovative OVDs and VISALIS® phaco technology – in addition to the launch of the BLUEMIX® 180 injector, Carl Zeiss is ready to support you in your move to MICS.

Take advantage of the opportunity
**ZEISS MICS Platform**

As a pioneer in MICS technology, Carl Zeiss is setting the standard and taking you to the next level.

**Support for every step of the surgery**

A wide range of ZEISS MICS IOLs, from monofocal to multifocal toric, with an extensive diopter range

Preloaded ZEISS MICS IOLs with the innovative single-use BLUEMIXS 180 injector

Innovative ZEISS OVDs, engineered for simplicity

VISALIS phaco technology from Carl Zeiss
OPPORTUNITIES
MADE BY CARL ZEISS
With ZEISS MICS IOLs, all of your cataract and refractive patients have the opportunity to benefit from the advantages of Micro Incision Cataract Surgery.

The standard treatment for cataract patients
- Monofocal ZEISS MICS IOLs

Patients with astigmatism who want to enjoy life less dependent on glasses
- Monofocal bitoric ZEISS MICS IOL

Patients who want to have the chance to live life less dependent on glasses
- Multifocal ZEISS MICS IOLs

Patients with a distinct astigmatism who lead an active life and wish to live life without glasses
- Multifocal toric ZEISS MICS IOL

“\textit{This lens design is unique because it is for normal cataract procedures and also for MICS procedures. It is my standard IOL.}”

Wolfram Wehner, MD, Chairman Maximilians-Augenklinik, Nuremberg, Germany

The most complete range of ZEISS MICS IOLs enables the surgeon to use the MICS technique for all cataract patients, ensuring their fast recovery and an optimal outcome.
Achieve better outcomes

Take the opportunity for better outcomes by simply switching to MICS and ZEISS IOLs.

Micro Incision Cataract Surgery with implantation of a MICS IOL through a 1.8 mm incision
- Minimizes the surgically induced astigmatism
- Promotes rapid wound healing and accelerated postoperative regeneration
- Decreases the risk of endothelial cell loss
- Reduces the risk of inflammation

MICS techniques do not induce corneal astigmatism as shown in the charts below:

“The use of MICS and MICS IOLs has improved my results in terms of controlling my induced astigmatism and controlling the optical aberrations induced by surgery on the cornea.”

Jorge L. Alió, MD, PhD, Vissum-Institute of Ophthalmology, Alicante, Spain
[source: ASCRS, Eye World, 2008-7-31]

Top:
Corneal topography maps (axial maps) of 1 eye preoperatively (left) and 1 month (center) and 3 months (right) after MICS

Bottom:
Corneal aberrometry maps (Seidel panels) of 1 eye preoperatively (left) and 1 month (center) and 3 months (right) after MICS

Courtesy of Jorge L. Alió, MD, PhD, Alicante, Spain
Milestones in the world of MICS

Starting in 1898 with the first aspheric optic designs, today Carl Zeiss offers the most innovative IOL technology with the widest range of MICS IOLs for every patient’s needs.

2001 – CT ASPHINA®
The first monofocal IOLs for MICS with a 1.8 mm incision size

2006 – AT TORBI®
The first monofocal bitoric MICS IOL worldwide

2006 – AT LISA®
The first multifocal MICS IOL worldwide for a 1.8 mm incision size

> Starting point for a tremendous increase in predictability and better outcomes.
> Precise astigmatism correction with an innovative bitoric optic design and a wide range of cylinder powers for all your patients.
> With the unique LISA concept for much higher patient satisfaction.
The lens is very stable in the capsular bag. There is no rotation or decentration, what’s very important for refractive cataract surgery – especially for toric lenses."

Wolfram Wehner, MD, Chairman Maximilians-Augenklinik, Nuremberg, Germany

2007 – AT LISA toric
The first toric multifocal MICS IOL worldwide

2010 – BLUEMIXS 180
The injector for an easy and safe implantation through a 1.8 mm micro incision

2010 – CT ASPHINA 409MP and CT ASPHINA 509MP
The first preloaded MICS IOLs with a 1.8 mm incision size

2011 – Preloaded Premium ZEISS MICS IOLs
AT TORBI 709MP
AT LISA 809MP
AT LISA toric 909MP

> The one and only MICS IOL able to correct at the same time sphere, cylinder and associated presbyopia.

> The breakthrough to maximize safety, efficiency and reproducability in all procedures.

> Provide more options for your patients with all the benefits of MICS with the BLUEMIXS 180 injector.
Easy and safe implantation ...

Surgeons who tested the BLUEMIXS 180 were impressed with how easy and safe the MICS IOL implantation is using this injector especially designed for the MICS procedure.

Providing a smooth workflow
Make your life easier – use the BLUEMIXS 180 injector with preloaded ZEISS MICS IOLs for an easy and safe implantation through a 1.8 mm micro incision.

The BLUEMIXS 180 injector
- 1.8 mm incision size
- Safety of preloaded IOLs
- Controlled and linear visco injection
- Astigmatism-neutral surgery with rapid visual recovery
- Covers the complete range of ZEISS preloaded MICS IOLs*

The BLUEMIXS 180 injector is the perfect and easy start into Micro Incision Cataract Surgery.

*For the specific IOLs available in your market, please contact your local sales representative.
... with the most complete range of MICS preloaded IOLs

- AT TORBI 709MP
- AT LISA 809MP
- AT LISA toric 909MP
- CT ASPHINA 409MP
- CT ASPHINA 509MP

Premium Preloaded ZEISS MICS IOLs
- Multifocal AT LISA
- Toric AT TORBI
- AT LISA toric
When combined with the broad range of ZEISS MICS IOLs, the innovative BLUEMIXS 180 injector and OVDs, VISALIS is much more than a precision surgical instrument.

The system’s coaxial MICS capabilities enable incisions of 1.8 mm, thus significantly reducing surgically induced astigmatism, increasing patient comfort and accelerating wound healing.

VISALIS 500 is a highly flexible phaco system; one designed with great foresight for the present and future challenges of the fast changing cataract surgical world.
Phaco technology capable of MICS

A modular phaco and vitrectomy system perfectly integrated in the surgical workplace with a very flexible application range for anterior as well as posterior procedures: that’s the VISALIS 500 from Carl Zeiss.

Designed with simplicity and efficiency in mind, the system combines exceptional ergonomics with a series of flexible performance drivers, including innovative MICS capabilities, a state-of-the-art dual pump and ultrasonic technology as well as ultra-high speed vitrectomy. VISALIS 500 is adapting itself to your surgical style in a way that allows you to perform procedures with unsurpassed convenience, precision and safety. As a single-system surgical solution for phaco as well as vitrectomy, it also offers tremendous investment security – now and in the future.

VISALIS 500 – Convenient, flexible, efficient.

VISALIS 500

- Captivating design and excellent integration into the surgical workplace
- Highly flexible system with superior ergonomics
- MICS solution and state-of-the-art dual pump and ultrasonic technology
- Operates with brilliant simplicity and outstanding efficiency
- Vitrectomy upgrade can be added any time
Modern OVDs are extremely important in determining the success of surgery. However, there are more important aspects which you have to focus on during surgery. One of our major goals has been to develop OVDs where you never have to give it a second thought.

**ZEISS OVDs – peace of mind included**

**VISTHESIA® – the pain relief OVD**

The first and only OVD which offers anesthesia and a cohesive OVD in one syringe, providing double comfort for peace of mind even during prolonged cataract surgery.

- Combines sodium hyaluronate and ancillary lidocaine
- Includes both topical and intracameral solutions (VISTHESIA)

VISTHESIA 1.5 % and VISTHESIA 1.0 % are not for sale in the UK and Portugal.
TWINVISC® – two OVDs – one device

The unique combination of two viscoelastic solutions in a single syringe, one dispersive and one cohesive, separated by a patented innovative Bypass stopper system.

- All-in-one syringe contains two different solutions made of sodium hyaluronate – released one after the other
- Easy solution suitable for every cataract surgery procedure – from routine to complicated cases

Z-HYALIN® plus – the all-around cohesive OVD

High viscosity cohesive OVD perfected for every surgical need. Z-HYALIN plus for a fast, safe and easy IOL implantation.

- Outstanding cohesive behavior
- OVD for every surgical need
The moment innovation and passion lead to the best vision for your patient. 
This is the moment we work for.
No sensory organ is more important for human beings than the eye; therefore, eye surgery has very high expectations from patients and responsibilities for the surgeon. To respond to this challenge day by day, the entire OR team relies, in addition to their own skills, on the devices, products and implants they use in surgery. As your partner in the OR, Carl Zeiss is creating what’s to come – providing a smooth workflow to guarantee peace of mind for surgeons worldwide.

**ZEISS = experience + quality + innovation**

ZEISS optics is synonymous for extensive experience and high quality standards, combined with an overwhelming innovation power – advancing the future in ophthalmic surgery.

**ZEISS IOLs and OVDs = the most advanced and most complete product portfolio**

Starting in 1898 with the first aspheric optic designs, today Carl Zeiss offers the most innovative IOL technology with preloaded MICS IOLS (from monofocal to multifocal toric) for every patient’s needs; in addition to unique OVD solutions – providing what matters most, happy and satisfied patients.