

# ZEISS reinvents lens extraction with the first hand-held ultrasound-free lens removal device, available in the U.S.

2024-09-26

The ZEISS MICOR 700 uses the ZEISS NULEX (non-ultrasonic lens extraction) procedure to help surgeons broaden their intraocular working space, minimizing risk to surrounding eye structures and increasing operating room efficiency.

DUBLIN, Calif. and JENA, Germany, Sept. 26, 2024 /CNW/ -- ZEISS Medical Technology today announced the broad U.S. distribution of the **MICOR® 700 from ZEISS**, reinventing lens extraction with the first hand-held lens removal device with ultrasound-free operation, providing a sustainable solution with a low initial investment to help surgeons broaden their intraocular working space. Creating a gentler patient experience, the ZEISS MICOR 700 offers a revolutionary approach to lens removal, including patented crystalline lens extraction technology, a blunt and rounded tip design, and a single-use "plug & play" system with a minimal operating room (O.R.) footprint. The ZEISS MICOR 700 will be demonstrated at the **American Academy of Ophthalmology (AAO)** conference from Oct. 19 – 21, 2024, in Chicago.

"We're putting the future of lens extraction in the hands of surgeons today," says Euan S. Thomson, Ph.D., President of Ophthalmology Strategic Business Unit and Head of the Digital Business Unit for ZEISS Medical Technology. "The ZEISS MICOR 700 extends our cataract solutions portfolio and serves as a testament to ZEISS's ability to deliver revolutionary, state-of-the-art technologies that advance cataract surgery, benefiting both patients and surgeons."

"I am surprised by what MICOR has been able to do for me and for my patients. Case times are faster, corneas are now clear. The staff loves it. The setup is easy," says Dr. Seth M. Pantanelli, Professor of Ophthalmology & Vice Chair of Clinical Research, Penn State College of Medicine, in Hershey, Pennsylvania, USA. "I'm really looking forward to

teaching the residents and giving them exposure to MICOR and seeing what the next chapter holds."

**Gentler patient treatment** – The advanced features of the ZEISS MICOR 700 help to promote gentle lens extraction. The ZEISS NULEX (non-ultrasonic lens extraction) procedure is designed to deliver less thermal energy than phaco and to minimize the risk of thermal damage to ocular tissue. Asymmetric oscillation of the cutter tube allows cavitation-free lens removal.

**Broadened intraocular working space** – The tip of the ZEISS MICOR 700 is designed to be gentle with the surrounding tissue. Its novel blunt tip design with rounded edges is designed to minimize the risk of tissue damage. A recent survey of surgeons reported that ZEISS MICOR 700 increases the comfort zone for surgeons maneuvering within the capsular bag.<sup>1</sup>

**Quick and efficient setup** – ZEISS MICOR 700 features a disposable "plug-and-play" system ensuring convenience, efficiency, and simplicity in the O.R. Each MICOR extractor comes in a sterile blister pack and only needs to be connected to the MICOR drive and plugged into a Balanced Salt Solution (BSS) source - then the surgery can begin. Additionally, the fluidics system is fully disposable. Thus, the device enables a quick setup and breakdown in the O.R. In a recent report, surveyed clinical staff said the MICOR technology is intuitive to use and saves time throughout the surgical day.<sup>1</sup> Importantly, the single-use, fully disposable fluidics system mitigates cross-contamination risk. The portion of the device that contacts the eye and all associated fluid channels is not reused.

"I am really impressed with this technology. I love that there is no foot pedal and there is no console. It really saves space in the O.R. and is also quite efficient," says Dr. Sonia H. Yoo, Ophthalmology Professor of Ophthalmology, Cataract, Cornea and Lasik, Bascom Palmer Eye Institute, in Miami, Florida, USA.

The ZEISS MICOR 700 is FDA approved and commercially available in the U.S. For more information about the ZEISS MICOR 700, go to <https://www.zeiss.com/micor700>.

<sup>1</sup>Data available on request.

Not all products, services or offers are approved or offered in every market and approved labeling and instructions may vary from one country to another. For country-specific product information, see the appropriate country website. Product specifications are subject to change in design and scope of delivery as a result of ongoing technical development. The statements of the healthcare professionals reflect only their personal opinions and experiences and do not necessarily reflect the opinion of any institution that they are affiliated with. The healthcare professionals alone are responsible for the content of their experience reported and any potential resulting infringements. Carl Zeiss Meditec AG and its affiliates do not have clinical evidence supporting the opinions and

statements of the health care professionals nor accept any responsibility or liability of the healthcare professionals' content. The healthcare professionals have a contractual or other financial relationship with Carl Zeiss Meditec AG and its affiliates and have received financial support.

## Brief Profile

Carl Zeiss Meditec AG (ISIN: DE0005313704), which is listed on the MDAX and TecDAX of the German stock exchange, is one of the world's leading medical technology companies. The Company supplies innovative technologies and application-oriented solutions designed to help doctors improve the quality of life of their patients. The Company offers complete solutions, including implants and consumables, to diagnose and treat eye diseases. The Company creates innovative visualization solutions in the field of microsurgery. With approximately 4,823 employees worldwide, the Group generated revenue of €2,089.3m in fiscal year 2022/23 (to 30 September).

The Group's head office is located in Jena, Germany, and it has subsidiaries in Germany and abroad; more than 50 percent of its employees are based in the USA, Japan, Spain and France. The Center for Application and Research (CARIn) in Bangalore, India and the Carl Zeiss Innovations Center for Research and Development in Shanghai, China, strengthen the Company's presence in these rapidly developing economies. Around 41 percent of Carl Zeiss Meditec AG's shares are in free float. The remaining approx. 59 percent are held by Carl Zeiss AG, one of the world's leading groups in the optical and optoelectronic industries.

For further information visit: [www.zeiss.com/med](http://www.zeiss.com/med)

View original content to download multimedia: <https://www.prnewswire.com/news-releases/zeiss-reinvents-lens-extraction-with-the-first-hand-held-ultrasound-free-lens-removal-device-available-in-the-us-302259589.html>

SOURCE Carl Zeiss Meditec AG