

## **ArcScan Announces First Insight® 100 Device for Ophthalmic Imaging in US Clinics**

*The Insight® 100, ArcScan's FDA 510(k)-cleared precision ultrasound device for imaging and biometry of the eye, has been incorporated into the first of many US clinics.*

Golden, CO ([PRWEB](#)) June 07, 2016 -- ArcScan, Inc., developer of state-of-the-art ophthalmic visualization technology, announced today that the Insight® 100, ArcScan's FDA 510(k)-cleared precision ultrasound device for imaging and biometry of the eye, has been incorporated into the first of many US clinics. Indicated for refractive surgical planning and evaluation of anterior segment pathology, the Insight 100 images and measures anterior chamber depth, angle-to-angle width, individual corneal layers, sulcus-to-sulcus width, and more—with micron level precision and repeatability. With 510(k) clearance in hand, ArcScan is now taking orders for purchase of the Insight 100. “We are in an age where pre- and post-operative diagnostics have become increasingly important to surgical planning and outcomes,” says Tamil Singh, ArcScan's North American Sales Director. “The Insight 100 will be an invaluable clinical diagnostic tool to achieving optimum results.”

William Wiley, MD, medical director of the Cleveland Eye Clinic and the first US surgeon to have received the device, is looking forward to exploring a variety of applications.

“The device has great versatility, and ArcScan has given me and the other clinical investigators the freedom to design studies and discover what is most valuable to us,” Dr. Wiley said. “First, because very high frequency ultrasound can visualize anatomy that other imaging devices such as OCT can not, the Insight 100 may be the key to unlocking effective lens position for cataract surgery, making power selection much more precise.”

A second area that Dr. Wiley is interested in exploring is measuring sulcus-to-sulcus width for implantable contact lenses (ICLs). “The other ways we do that are very user-dependent. It can be hard to get reliable data for ICL sizing,” Dr. Wiley noted. “The Insight 100 makes the process easier and more automated, so that a technician can be easily trained to do it well.”

A third area that Dr. Wiley may investigate is the use of the Insight 100 for epithelial mapping, which is particularly useful in screening patients with suspect topography for keratoconus. Being able to confidently rule in and out patients for LASIK and cross-linking procedures will be a boon for patients and ophthalmology practices.

Finally, Dr. Wiley plans to use the ArcScan device for corneal inlay adjustments. “The post-operative healing process can be difficult to anticipate and measure, but with ArcScan's anterior segment ultrasound, we can image behind the inlay in order to see the healing process. For example, we can see if there is swelling behind the inlay or if any epithelial thinning is occurring,” he said.

Tamil Singh worked closely with Dr. Wiley on integrating the Insight 100 into his clinic. “We are extremely excited to place our first commercial device in the field with Dr. Wiley. He and his practice are at the forefront of ophthalmic procedures, so their experience is invaluable to any new applications of our technology to patient care. Ophthalmologists and practices like Dr. Wiley and Cleveland Eye Clinic will help us develop the applications we have already identified and, we believe, uncover many new applications. ArcScan's mission is to ‘Evolve Ultrasound,’ and with the help of Dr. Wiley and others, we think the Insight 100 will definitively



change the standard in ophthalmic imaging.”

Dr. Wiley has been impressed not only with the imaging results but also the user interface, which works much like OCT. “Automation has helped simplify the process of obtaining images. The patient sits up in the chair and leans forward into a self-contained, sealed water bath for the eye. It’s clean and noninvasive from the patient perspective and easy to perform for the physician or technician,” Dr. Wiley said.

To learn more about the ArcScan Insight 100 for ophthalmic imaging or to schedule a demonstration, visit [www.arcscan.com](http://www.arcscan.com), email [info@arcscan.com](mailto:info@arcscan.com) or call +1 877.363.SCAN (7226) or +1 720.399.8500 from outside North America.

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About ArcScan: ArcScan is continually evolving ultrasound to provide ophthalmologists with new insights into the true anatomy of the anterior segment of the eye, including areas behind the iris. ArcScan’s mission is to enable better care and treatment in ophthalmology by driving improved outcomes in refractive, corneal, cataract, and glaucoma surgery.



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