



LENSAR ANNOUNCES PARTNERSHIP TO CREATE INTEGRATED SURGICAL SUITE

APRIL 23, 2014

By: Devyn Gehert

Lensar announced a global research and development agreement with I-Optics and TrueVision 3D Surgical that will create an integrated surgical suite, Lensar announced at the annual ASCRS meeting in Boston.

The agreement integrates i-Optics's Cassini Corneal Topographer and TrueVision's TrueGuide system into the Lensar femtosecond laser. Using multi-color LED technology, the Cassini measures the axis and magnitude of corneal astigmatism for premium IOL planning.

In an interview with Eyewiretoday.com, Nick Curtis, CEO of Lensar, said physicians will be able to import data from the Cassini to the Lensar Laser System wirelessly to ensure accurate incisions and eliminate the use of ink markings or manual adjustments. Data from the Lensar can then be sent wirelessly to the Truevision system, which will use computer guidance templates to allow surgeons to place and position lens implants.

"We now have an integrated surgical suite solution. It gives surgeons a lot of flexibility," Mr. Curtis added.

"A partnership to optimize this suite of technologies is the next logical step in the evolution of refractive cataract surgery. Streamlining and automating the processes from preoperative planning to intraoperative guidance will enhance femtosecond laser treatments," Robert Weinstock, MD, said in a company news release. "We expect that this will translate into more accurate results for our patients and improved customization of the individual surgical plan. It is exciting to see these incredible technologies come together to help us deliver better care to our patients."

Lensar's Augmented Reality imaging technology rotates around the eye and takes scanning images at multiple angles to locate and identify the relevant ocular surfaces, measuring them and capturing exact biometric data. This information is then used to create a 3-D model of the anterior anatomy to help guide customized treatment and precise laser placement of each laser pulse, according to Lensar.

