

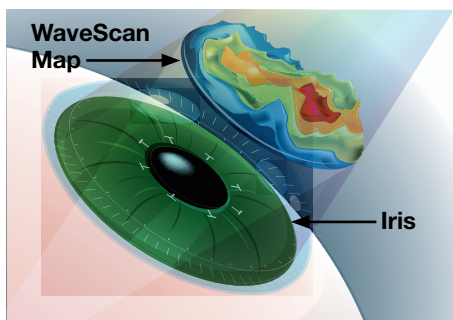
# NASA APPROVES ADVANCED LASIK FOR USE ON ASTRONAUTS

While LASIK has been in use for almost a decade, it wasn't until it advanced to become an ultra-precise, all-laser procedure that NASA approved it for use on astronauts.

## WHAT IS ADVANCED LASIK?

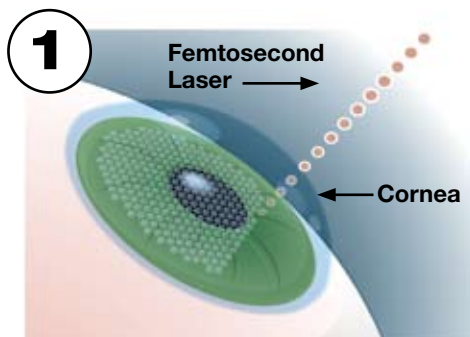
NASA's approval of LASIK came after extensive review of the U.S. Navy's clinical data resulting from the use of both the IntraLase® Method and Advanced CustomVue™ Procedure. The most advanced form of LASIK may be performed on its candidates using precise measurement, and femtosecond and wavefront-guided lasers in the two-step process.

### INDIVIDUALIZED MEASUREMENT



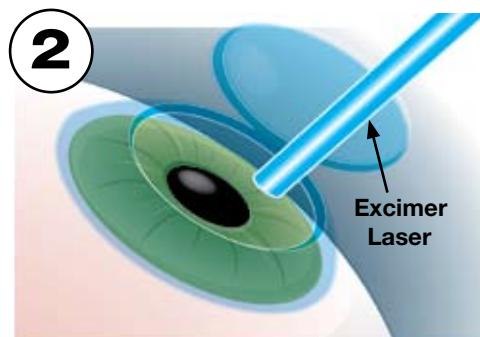
WaveScan™ mapping with Iris Registration allows the Advanced CustomVue LASIK treatment to be customized for each individual. The WaveScan WaveFront™ System captures unique imperfections in each individual's eyes, linking diagnostic information with laser treatment. Iris Registration reads the specific characteristics of the iris to accurately align the wavefront laser treatment.

### LASER-CREATED FLAPS



The IntraLase® FS (femtosecond) Laser for corneal flap creation replaces the hand-held microkeratome blade historically used in the first step of LASIK. The computer-guided, ultra-fast laser virtually eliminates almost all of the most severe, sight-threatening LASIK complications related to microkeratomes<sup>1</sup>. The FS Laser also creates an optimal surface below the flap, allowing better visual outcomes.<sup>2</sup>

### WAVEFRONT-GUIDED VISION CORRECTION



The Advanced CustomVue™ Procedure provides precise and accurate laser vision correction. WaveScan™ measurements are fed into the wavefront computer-guided excimer laser for custom-corrected vision treatment.

This highly advanced combination of LASIK technologies has been proven in extensive clinical trials to provide both excellent safety and outstanding visual outcomes — beyond 20/20 in many cases.<sup>2</sup>

## LASIK HAS “THE RIGHT STUFF”

- An estimated 50 percent of rejected NASA candidates are dismissed due to poor vision.
- The physically demanding, extreme zero-gravity conditions that astronauts endure make even simple contact lens care and maintenance a challenge.
- The advanced, all-laser LASIK procedure has also been cleared for U.S. military personnel, including Naval aviators, and most recently, Air Force pilots.
- Consumers looking for proof that LASIK is safe, effective, and advanced enough for them need look no further; LASIK has proven it has “The Right Stuff.”
- The NASA decision was made following review of extensive Department of Defense clinical data which validated the combination of advanced all-laser LASIK technologies provides excellent safety and vision.



Source: Advanced Medical Optics, Inc.

1. Durrie, Daniel, “Randomized Prospective Clinical Study of LASIK: IntraLase Laser versus Mechanical Keratome” American Society of Cataract & Refractive Surgery, May 4, 2004

2. Tanzer DJ, Schallhorn SC. Comparison of visual outcomes with femtosecond and mechanical microkeratomes for wavefront-guided LASIK. Presented at the American Academy of Ophthalmology annual meeting; November 13, 2006; Las Vegas, NV.

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