



Same Technology Approved by NASA is Available at TLC Laser Eye Centers

The National Aeronautics and Space Agency (NASA) has announced the approval of Bladeless Custom LASIK vision correction for their astronauts – the same bladeless custom technology that is also available nationwide at TLC Laser Eye Centers.

NASA's approval came following a review of extensive military clinical data using the same two lasers employed in our Bladeless Custom LASIK. The research showed that the use of the combination of technologies provided superior safety and vision – results TLC Centers agree are unparalleled.

Some notable findings of the many military clinical trials of this procedure include:

- An evaluation of Custom LASIK in 100 military personnel showed that 95 percent achieved 20/20 uncorrected vision or better; these patients, on average, were previously only able to read the first line (the big "E") of the vision assessment chart.¹
- In an evaluation of 785 aviators, 89% of Navy pilots rated their ability to land on an aircraft carrier as moderately to significantly better after laser vision correction. None said it was worse after surgery.²
- A separate study determined that over 90 percent of marksmen had improvement in marksmanship skills after laser vision correction; a significant result given the visual precision of marksmen.³

LASIK is a two-step procedure, involving the creation of a corneal flap, followed by application of a laser to gently reshape the cornea, thereby correcting vision. This all-laser LASIK technology utilizes femtosecond and wavefront guided lasers. With the TLC Bladeless procedure, a femtosecond laser is used in the first step – creating the flap. This creates the optimal surface for the second step of the procedure, which uses the wavefront technology to create a "custom" mapping the irregularities of the eye resulting in the individualized treatment for vision correction.

At TLC, we believe that by combining our experience and this advanced technology, we can provide our patients with a high standard of care – and peace of mind. We strive for precision by using the latest bladeless LASIK technology, customizing each procedure to meet the patients' needs. The Bladeless Custom LASIK procedure represents advances that meet our stringent standards of treatment.

Not all patients are candidates for the Bladeless Custom LASIK. To find out if it is the best vision correction option for you, schedule your free personal consultation at your nearby TLC Laser Eye Centers location.

1. Source: Captain (Retired) Steven C. Schallhorn, "US Navy study: Custom PRK versus custom LASIK". Presented at the European Society of Cataract and Refractive Surgeons annual meeting; September 8, 2006; London, UK.
2. Source: Schallhorn SC, Tanzer DJ, 'Refractive Surgery in Naval Aviation', Presented at the Aerospace Medical Association annual meeting, May 15, 2006, Orlando, FL
3. Source: Captain (Retired) Steven C. Schallhorn, "Refractive Surgery in the Navy", Presented at the Aerospace Medical Association annual meeting; May 17, 1999; Detroit, Michigan.

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