

# Advanced Bladeless LASIK Technology

## WHAT IS LASIK

LASIK is a popular, FDA-approved, outpatient procedure frequently chosen by patients seeking to reduce their dependence on glasses and contacts. However, not all LASIK surgeons use the same technology and techniques to perform the procedure.

LasikPlus chooses to perform 100% bladeless LASIK because it is virtually painless with immediate, long-lasting results, allowing you to get back to work the next day.\* And, thanks to our surgeon expertise, we make 20/20 vision a possibility whether you are suffering from nearsightedness, farsightedness, or even astigmatism.\*

## ADVANTAGES OF BLADELESS LASIK

- Results in excellent outcomes and high patient satisfaction<sup>1,2</sup>
- Allows patients with thinner corneas to be candidates for LASIK
- Allows your surgeon to personalize the LASIK flap according to the shape of your eye

## HOW DOES BLADELESS LASIK WORK?

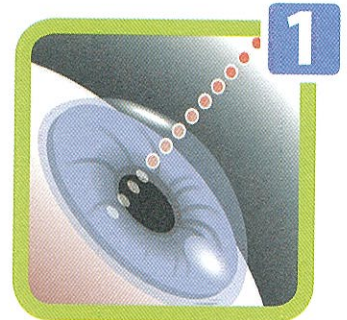
Bladeless LASIK or All-Laser LASIK, consists of two phases; flap creation and corneal reshaping.

During the first phase, the outermost layer of tissue is gently folded back to expose the cornea in preparation for treatment. With bladeless LASIK, this folded tissue, more commonly referred to as a flap, is created by beams of cool laser light. The laser replaces the previous method of creating the flap using a blade and allows for better visual outcomes and faster recovery.

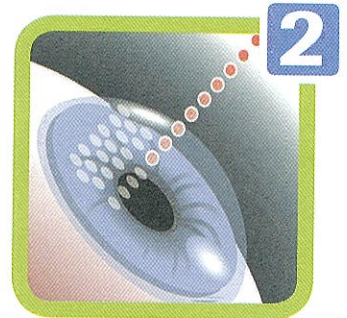
After the flap is lifted, the corneal reshaping takes place, which involves the use of cool pulses of ultra-violet light. This reshaping is what corrects the nearsightedness, farsightedness, or astigmatism. This phase of the procedure takes less than 60 seconds per eye. Once the cornea is reshaped, the flap is laid back over the cornea. The flap provides immediate protection during the healing process. In fact, the moment your procedure is complete, you will experience improved vision – without your glasses or contacts\*

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1. Donnenfeld E. Preservation of corneal innervations with femtosecond laser inverted sidecut flaps. Invest Ophthalmol Vis Sci. 2010 51: EAbstract 2855.
2. Durrie DS, Kezirian GM. Femtosecond laser versus mechanical keratome flaps in wavefront-guided laser in-situ keratomileusis prospective contralateral eye study. J Cataract Refract Surg. 2005; 31(1): 120-126.



The flap is created by directing tiny pulses of cool light on your eye.



Light waves pass through the outer portion of your cornea, producing a uniform layer of microscopic bubbles just beneath the outer surface of the cornea.



The bubbles form a space so that your LasikPlus surgeon can gently open the corneal flap. The LASIK treatment will now begin.