

# Fast Facts about LASIK

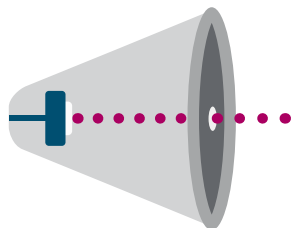
MORE THAN **3.4 MILLION** REFRACTIVE SURGERY PROCEDURES WERE PERFORMED GLOBALLY IN 2014.



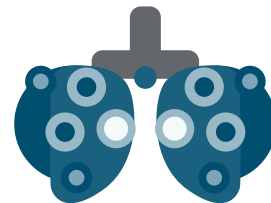
THAT'S MORE THAN THE POPULATION OF CHICAGO!

LASIK STARTS WITH THE **iDESIGN ADVANCED WAVESCAN STUDIO SYSTEM**, THE BRAIN OF THE PROCEDURE, WHICH MEASURES AND MAPS THE EYES.

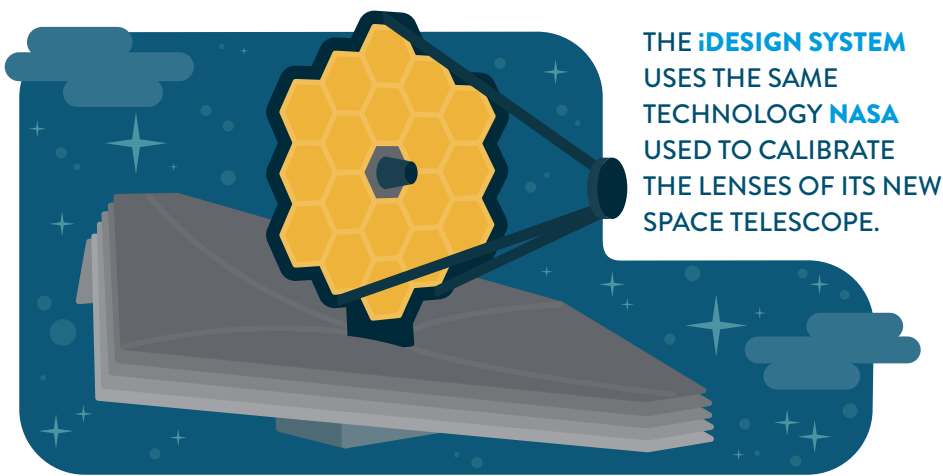
THE iDESIGN SYSTEM IS **25X MORE PRECISE** THAN METHODS USED FOR GLASSES OR CONTACT LENSES.



**iDESIGN SYSTEM**  
Measures in **0.01 diopter** increments.

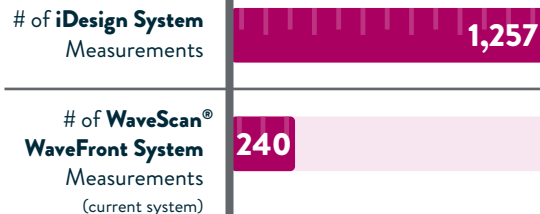


**PHOROPTER**  
Measures in **0.25 diopter** increments.



THE **iDESIGN SYSTEM** USES THE SAME TECHNOLOGY **NASA** USED TO CALIBRATE THE LENSES OF ITS NEW SPACE TELESCOPE.

The iDesign System sensor has **5X BETTER RESOLUTION** than current systems (when measuring an average 7 mm pupil).\*



\*compared to WaveScan® WaveFront System

YOU CAN ACHIEVE 20/20 VISION AND THE LASIK PROCEDURE CAN TAKE ABOUT **10 MINUTES** PER EYE. THERE ARE **2 LASERS** THAT WORK TOGETHER IN LASIK:

## FEMTOSECOND LASER

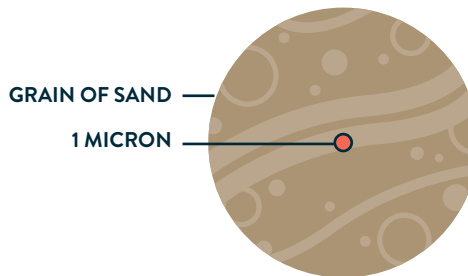
Each pulse of a femtosecond laser lasts **700 femtoseconds**.



A FEMTOSECOND IS **1,000,000,000,000X** (ONE TRILLION) FASTER THAN THE TIME IT TAKES A HOUSEFLY TO FLAP ITS WINGS ONCE.

## EXCIMER LASER

The excimer laser is so precise that each correction is about **0.25 microns** of depth.



ONE MICRON IS **1,000X** SMALLER THAN A GRAIN OF SAND.

THE FEMTOSECOND LASER CAN TAKE LESS THAN **10 SECONDS** PER EYE



THE EXCIMER LASER TAKES ABOUT **1-2 MINUTES** PER EYE



# Fast Facts about LASIK

## INDICATIONS AND IMPORTANT SAFETY INFORMATION

### CAUTION

U.S. Federal Law restricts this device to sale, distribution, and use by or on the order of a physician or other licensed eye care practitioner.

### INDICATIONS

**Advanced CustomVue** LASIK (laser assisted in situ keratomileusis) is a customized wavefront-guided laser surgery procedure that uses the **iDesign Advanced WaveScan Studio** System to measure visual imperfections of your eye and the **STAR S4 IR** Excimer Laser to permanently reshape the cornea. **Advanced CustomVue** LASIK treatment is used to correct, or reduce myopia (nearsightedness) with and without astigmatism for patients 18 years of age and older and whose vision has been stable for at least one year. Only eye care professionals trained in laser vision correction can determine whether you are a suitable candidate.

### CONTRAINDICATIONS

You should not have LASIK if you have collagen vascular (e.g., rheumatoid arthritis), autoimmune (e.g., lupus), or immunodeficiency diseases (e.g., AIDS) because they affect the body's ability to heal. You should not have this procedure if you are pregnant or nursing; show signs of corneal abnormalities or corneal thinning; have symptoms of significant dry eyes; advanced glaucoma; and uncontrolled diabetes. If you have severely dry eyes, LASIK may increase the dryness, may delay healing after surgery, may or may not go away and it may result in poor vision after LASIK.

### WARNINGS AND PRECAUTIONS

LASIK is not recommended if you have cataracts, corneal scars, or dry eye syndrome; glaucoma; diabetes; severe allergies; history of Herpes simplex or Herpes zoster keratitis; are taking Isotretinoin (Accutane®), Sumatriptan (Imitrex®), Amiodarone hydrochloride (Cordarone®) or antimetabolites for any medical conditions; history of crossed eyes; previous corneal, intraocular surgery, LASIK or refractive surgery; family history of degenerative corneal disease; and history of inflammation of the eye. Your doctor will examine your eyes to determine if you are a candidate for this procedure. Talk to your doctor about any eye-related conditions, injuries, or surgeries you have had, any medications you are taking, and any changes to your vision in the past year. After surgery, you may find it more difficult to see in conditions such as dim light, rain, snow, fog, or glare from bright lights at night. Future measurements of your eye pressure or future cataract surgery can be affected by this procedure. Tell your future doctor you've had Advanced CustomVue LASIK surgery.

### RISKS

As with any surgical procedure there are risks associated with **Advanced CustomVue** LASIK treatments. It is important to discuss these risks with your doctor before you make any decision to have the surgery. If the results of the surgery are not satisfactory, your doctor may want to perform additional laser treatment in either one or both eyes. Talk to your doctor about what is best for you. Some risks are related to the creation of the corneal flap. Corneal flap complications include but are not limited to: cutting an incomplete, irregular flap or free flap; misalignment of the flap; and perforation of the cornea. Corneal flap complications range in severity from those that simply require the treatment to be postponed for several months, to those which create corneal irregularities resulting in permanently blurred vision. You may need reading glasses even if you did not wear them before. Your vision may not be perfect, and you may need to wear glasses or contact lenses for some activities even after laser vision correction.

### SIDE EFFECTS

Possible side effects include loss of vision and visual disturbances such as double vision, sensitivity to bright lights, increased difficulty with night vision, fluctuations in vision, and other visual irregularities that may be debilitating. Please consult with your eye care professional and carefully review the **Patient Information Booklet** regarding the potential risks and benefits of this procedure. Results may vary for each individual patient.