Modern Vision Centers Performs Bladeless LASIK Using the Wavelight EX500 Excimer Laser in Des Moines, Iowa

April 22, 2026

West Des Moines, Iowa - April 22, 2026 -
Modern Vision Centers, a LASIK surgeon located in West Des Moines, Iowa, performs bladeless LASIK surgery for patients throughout Des Moines and the broader central Iowa region. The practice has published a new resource detailing its laser technology and patient evaluation protocols, titled "Advanced LASIK Technology Des Moines", now available at mvcvision.com. The article describes the surgical systems, corneal mapping techniques, and pre-procedure evaluation process used at Modern Vision Centers when assessing LASIK candidates in Iowa.

LASIK, or laser-assisted in situ keratomileusis, corrects refractive conditions including myopia, hyperopia, and astigmatism by reshaping the cornea to improve how light focuses on the retina. At Modern Vision Centers, this reshaping is performed using the Wavelight EX500 excimer laser, a Food and Drug Administration-approved system capable of delivering treatment adjustments as precise as 0.25 microns, a scale approximately 280 times finer than the diameter of a human hair. The EX500 supports both Wavefront Optimized LASIK and Contoura Topography-Guided LASIK, two approaches that use detailed corneal topography data gathered during the pre-surgical examination to tailor the treatment plan to the structure of

each individual eye. This topography data, collected as part of the practice's EyeAnalysis diagnostic process, is used to generate the treatment map applied by the laser during surgery, connecting the diagnostic evaluation directly to the calibration of the procedure. Patients from Des Moines, Urbandale, and Ankeny who qualify for LASIK surgery receive access to this technology at no variance based on package level; Modern Vision Centers does not offer cost-tiered treatment options.

The full LASIK procedure at Modern Vision Centers is performed without a mechanical blade. Rather than using a microkeratome to create the corneal flap, the practice uses laser technology throughout both the flap creation and corneal reshaping phases. This all-laser approach is applied consistently across all vision correction procedures offered at the practice, which include LASIK, SMILE, PRK, EVO ICL, Refractive Lens Exchange, Laser Cataract Surgery, and Blended Vision, all seven of which are available to patients in Des Moines and West Des Moines through Modern Vision Centers, a physician-owned practice. Before any procedure recommendation, each patient undergoes an EyeAnalysis, a comprehensive 60-minute diagnostic examination that evaluates corneal thickness, refractive stability, lens structure, and overall ocular health to determine candidacy and guide surgical planning. Patients who complete a procedure also have access to VisionTrack, the practice's lifelong care program available to patients in Des Moines, West Des Moines, and the surrounding service area.

"The precision of the Wavelight EX500 is meaningful not just as a technical specification, but because it directly determines how accurately we can address each patient's unique corneal anatomy," said Dr. Drew Dickson, MD, PCEO, board-certified ophthalmologist, the only Fellow of the World College of Refractive Surgery in Iowa, and co-founder of Modern Vision Centers. "Fewer than 3.33% of refractive surgeons nationwide hold WCRS certification, and that training shapes how our team approaches candidacy evaluation, corneal mapping, and treatment planning for every patient we see in Des Moines." Dr. Dickson completed his ophthalmology residency at the Storm Eye Institute, one of the top ten ranked programs in the country, and is one of the first Refractive Surgery Alliance Fellows in the United States. He is also a recipient of the AECOS Young Ophthalmic Leaders Award.

Modern Vision Centers is located at 6880 EP True Pkwy Suite 110, West Des Moines, Iowa 50266, and serves patients from Des Moines, Urbandale, Ankeny, and surrounding communities throughout central Iowa. The practice is accessible from downtown Des Moines via EP True Parkway, and patients traveling from the Des Moines area can access turn-by-turn driving directions at Google Maps. Modern Vision Centers is open Monday through Friday, and new patients can reach the office at (515) 674-2020 to schedule a LASIK consultation or EyeAnalysis appointment.

For more information about LASIK surgery at Modern Vision Centers in Des Moines, the practice's location,

hours, and procedure details are accessible through the Modern Vision Centers Google Business Profile. Modern Vision Centers continues to offer LASIK, SMILE, PRK, EVO ICL, Refractive Lens Exchange, Laser Cataract Surgery, and Blended Vision to patients throughout the Des Moines metropolitan area.

###

For more information about Modern Vision Centers, contact the company here:Modern Vision CentersJordan Maddox(515) 674-2020jmaddexkopp@aligned.vision6880 EP True Pkwy Suite 110, West Des Moines, IA 50266

Modern Vision Centers

Modern Vision Centers is a LASIK surgeon in Des Moines, Iowa, offering laser vision correction including LASIK, EVO ICL, SMILE, Refractive Lens Exchange (Custom Lens Replacement), advanced cataract surgery, PRK and blended vision.

Website: https://www.mvcvision.com/

Email: jmaddexkopp@aligned.vision

Phone: (515) 674-2020

