

Why Blade Free is Better with the Ziemer Z4

LASIK is always (and has always been) a two step procedure. The first step is to 'lift' the thin outer skin surface of the cornea in order to expose the collagen bed beneath. The second step is the vision correction step in which the cornea is reshaped to redirect light to focus precisely on the retina.

In the early years of LASIK, the first step (the lifting of the skin surface) was accomplished using a hand-held bladed mechanical device called a keratome. The mechanical keratome was responsible for up to 95% of all LASIK complications. In 2002, the first blade-free femtosecond laser received approval in America and "all-laser LASIK" was introduced.

Dr. Bernitsky was the first LASIK surgeon in New Mexico to offer blade-free, all-laser LASIK. As blade-free technology has improved, Bernitsky Vision has continued our commitment to our patients with the safest, most accurate technology available. We are the only New Mexico LASIK specialist to offer the superior precision of the Swiss made Ziemer Z4 FemtoLDV laser – commonly referred to as Z4.

For those who enjoy the technical details of laser technology, the Z4 is:

- ❖ A solid state, non amplified laser
- ❖ A low pulse energy laser – 1000X less energy than competing femtosecond lasers
- ❖ Small overlapping spot size – 1000X smaller spot size than competing technology
- ❖ high pulse repetition – 1000X faster than competing technology

What does this mean to you? With the Ziemer Z4 your treatment will be faster, extremely accurate (standard deviation of 3-5 microns), more comfortable, with fewer side effect and faster visual recovery.

If you've been thinking about LASIK, choose the safest, most accurate LASIK technology around. Choose Dr. Bernitsky, Bernitsky Vision, and the Ziemer Z4. Call us today at 323-0800 to find a time that fits your schedule!