

## What is "all laser" lasik?

The bladeless lasik is also known as "all laser lasik". In the traditional lasik, the first step consists of the creation of a flap by means of a mechanical device called microkeratome. The second step consists of excimer laser application. In bladeless lasik, the first step is achieved by femtosecond laser, hence the name.

Eventhough the microkeratome is also considered as safe and many Millions of cases have been done till date by this technique, laser precision takes the procedure to a much higher level of safety, quality and precision. In addition, the patients find the concept of blade being used on the eye scary and they would rather prefer laser.

## How is this bladeless laser safer than laser with blade?

Eventhough the incidence is very low, the microkeratome has a set of complications in the construction of the flap. The inherent design of the second technology ensures that some of these complications are eliminated altogether and the incidence of some of these complications decreases significantly.

The edges of the flap can also be customized by the surgeon which also help in reducing some of the complications of lasik with blade.



**Coming to a Doctor is always a last choice but to attend JOYFUL LIVING GRACEFUL AGEING is my first choice.**  
-Ravi Patwardhan

**excellent ambiance and nice hospitality and nice to be here at WEI.**  
-Seema Deo and Ramesh Deo

**W**avikar eye institute was the first to instal bladeless cataract surgery tech LenSx platform in this part of the world. Till date we have successfully performed 450 cases of bladeless cataract surgeries by this machine. The same machine is now being upgraded to incorporate bladeless lasik. Let us see the unique features and benefits of this technology. Both, the bladeless cataract and bladeless lasik of this machine are individually USFDA approved. It means that before sanctioning this machine for use, govt of USA (USFDA) has conducted rigorous tests & analysis of the machine. This means it is very safe to use it on patients.



## Is the femtosecond flap more precise and what is the effect on the result?

The flap thickness achieved by femtosecond laser is in the range of plus or minus 3 microns of the intended thickness as compared to microkeratome which has a variation of plus or minus 30 microns. This quality helps the surgeon & benefits the patient in many ways.

Customisation.- the femtosecond flap can be customised far more as a result of which many aspects of flap making are under the control of the operating surgeon which can be adjusted as per the needs of a particular patients giving better results.

## Does it give same quality of vision like lasik with blade , after lasik?

The flap created by laser is planar whereas the flap created by microkeratome is like a convexo-concave meniscus. This feature alongwith customized edges ensures that the flap snugly fits in place after lasik which is claimed to give better quality of vision as compared to Microkeratome flap.

## How long this technology has been in the market?

Femtosecond laser technology has been in the market for bladeless lasik for over a decade. The LenSx flap maker is the most recent in the market. Naturally it has some unique features.



**WEI is really a institute and not a hospital. Treating persons like Kishor is more important and lucky for us. Kishor is a speaker of JOYFUL LIVING GRACEFUL AGEING event.**  
-Kishor Patil

**First Greet then Treat with warm hands and machines gives a positive operative factor.**  
-Madhuri