

1. NEW ARRIVALS-BLADE-FREE CATARACT SURGERY AND BLADE-FREE FEMTO LASIK SURGERY

BLADE-FREE CATARACT SURGERY (THE LATEST IN CATARACT SURGERY).

Dr. Sachdev eye hospital is proud to introduce the first laser assisted cataract surgery in South Gujarat. We now have the LenSx laser from Alcon (a Novartis company). It uses a medical grade laser to carry out the more difficult and high-risk steps of cataract surgery. Most importantly, it breaks up and softens the cataract in the eye even before we begin the surgery. The same laser then makes the required blade-free cuts in the eye with unprecedented precision. The softened cataract is then removed by **phacoemulsification** (the conventional cataract surgery) and the lens is inserted into the eye.

The LenSx adds computer control to key steps of cataract surgery- which ensures the highest precision surgical incisions. Its unique software control system analyses live high-resolution OCT image of your eye, which helps the surgeon design a customized procedure; and then, visualizes and performs the procedure on command from the surgeon! Then LenSx is a device approved by the FDA of USA.

LenSx is a breakthrough innovation using a laser for unprecedented safe, predictable and precise blade free cataract surgery.

The Femto laser is so named because

each pulse of the laser fires for one femto second (one femto is 1/1000000000000000). The same laser is also used in blade-free femto lasik surgery

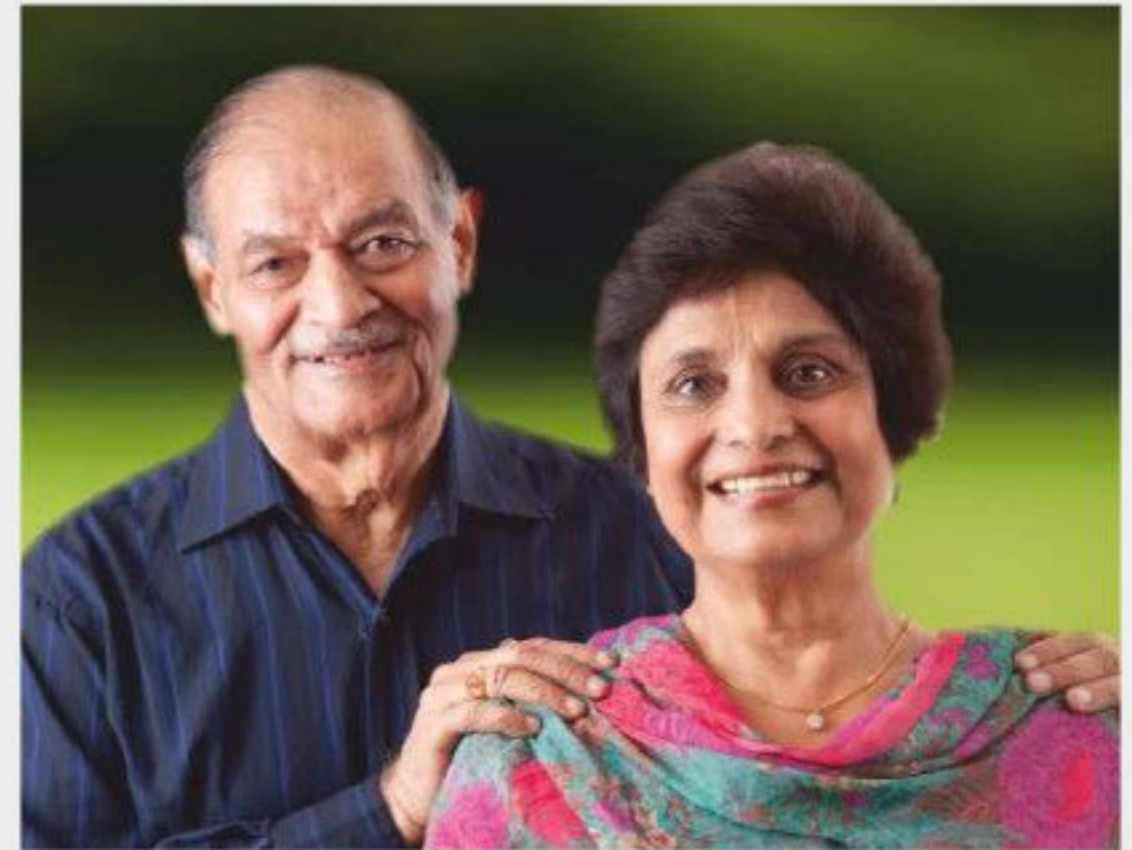
BLADE-FREE FEMTO LASIK SURGERY (THE LATEST IN LASIK SURGERY)

Lasik is an established procedure for reducing dependence on spectacles. Even though it is one of the safest procedures on the human body, the blade free femto lasik surgery is the result of the quest to make the procedure still safer lasik is a two-step procedure-one to make a thin flap on the cornea to (the transparent window in front part of the eye) and to reshape the cornea to change its power after lifting the flap.

Traditional lasik surgery uses a blade to make the corneal flap and an excimer laser to remove the number.

We now have a procedure where both the steps are done using separate lasers, a femto laser to make the flap and an another excimer laser to remove the number. Femto second laser like any medical procedure may have side effects, but this laser is gentler on the eye and side effects like colored haloes and dry eye are reduced. The recovery is also faster.

The femto blade free lasik laser is a device approved by the FDA of USA.



We got **tomorrow's technology today for you**

Laser Cataract surgery now possible