

Why you Should Always Do your Cataract Using the Revolutionary CATALYS Femtosecond Laser

CATALYS™

Precision Refractive Cataract Laser System

The CATALYS laser for the
most precise cataract surgery



The First
CATALYS Femtosecond
Laser in Mumbai
at the Mehta International
Eye Institute

Asia's Most
Advanced Eye Centre



**Mehta International
Eye Institute**

Managed by
KRM Eye Institute Pvt. Ltd.

**Padmashree
Awardee**

Prof. Dr. Keiki R. Mehta

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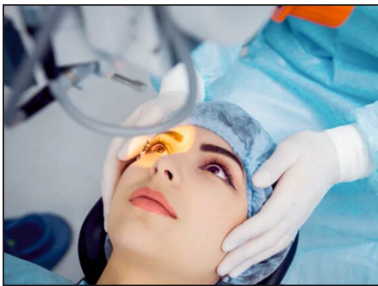
**Consultant Ophthalmic Surgeon
Medical Director & Chief**

Mehta International Eye Institute

Breach Candy Hospital & Research Centre

D. Y. Patil Medical College and Hospital

What is the The CATALYS Femtosecond Cataract Laser System



The CATALYS Femto Second Laser System is A pure Femtosecond Laser, completely bladeless system,

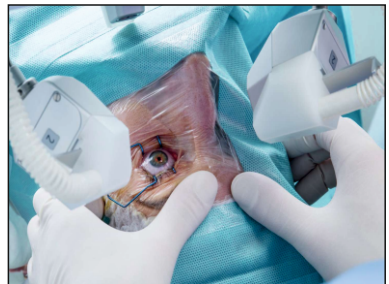
developed in the heart of Silicon Valley is designed specifically for laser cataract surgery. CATALYS Femto Second Laser is one of the most popular technique for cataract removal all over the world with thousand having being treated on this platform which is both CE (European) and FDA (American) standards certified.

- CATALYS FemtoSecond Laser (Johnson & Johnson .USA) is the world's most advanced laser system for cataract surgery and is bladeless as the surgeon can make all openings in perfect shape, size and position using the femto second laser.
- The patient walks off the table and since the laser opening are self sealing, can join the office the next day, work, or even travel with complete safety.

SIX KEY BENEFITS of CATALYS Femtosecond cataract surgery for the patient

The CATALYS Femtosecond Laser is one of the most important technological advances in the field of cataract surgery to come along in some time. This computerguided, surgeon controlled laser has a number of advantages when compared to traditional cataract surgery, that include:

1. Perfect Implant positioning creates a perfect circular opening in the lens capsule to access and remove the cataract. This precise incision helps the surgeon place the new artificial lens where intended thus allowing far greater surgical precision.
2. Totally blade free and hence painless .Since Involves no surgical blades for corneal incisions and anterior capsulotomies.
3. Individual Customization .Since every eye has a unique size and shape, prior to treatment, the CATALYS FemtoSecond Laser images patient eye and makes precise 3D maps of relevant structures. This enables surgeon to create a tailored treatm



BENEFITS of CATALYS Femtosecond cataract surgery for the patient



4. Increased accuracy of spectacle control post surgery. N Auto Astigmatic control by laser guided arcuate incisions corrects for Astigmatism via laser rather than a manual incision, during the time of cataract surgery. This lessens the need for glasses post-operatively..
5. Security and tissue protection The progressive 3D imaging method and sophisticated software of CATALYS FemtoSecond Laser makes sure that the laser pulses impinge only on the desired treatment region so that the surrounding tissue is protected.
6. Ideal for rock hard cataracts and weak corneas Since zero ultrasound energy is used the cornea cells in the innermost endothelial layer stay protected. In compromised eyes the CATALYS FemtoSecond Laser is a far far safer procedure

Three Biggest Advantages of doing your cataract using the CATALYS cataract system

Safety, Speed, Accuracy with Comfort.

Each treatment is planned individually with CATALYS FemtoSecond Laser. This increases the accuracy and minimizes the duration of the intervention. In a unique gentle way the system of the eye docks to keep it stable. This results in high patient comfort

Faster recovery and quicker return to daily activities.

The gentler techniques induces virtually no inflammatory response so the eye is quieter and the self sealing openings give high security to the eye from external risks.

Faster recovery of sharper vision.

And your sight will continue to improve for several days or weeks after surgery. structures. This enables surgeon to create a tailored treatm



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Consultant Ophthalmic Surgeon
Medical Director & Chief

Awarded **PADMASHREE** by the
President of India in 2008
for Exemplary Surgical Skills and his
outstanding Achievements and Research
in Ophthalmology

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Knowing Prof. Dr. Keiki R. Mehta

➤ Received the "ASCRS Honored Guest Award", the highest recognition award by the American Society of Cataract and Refractive Surgeons, (ASCRS), the world's largest ophthalmic society, at the ASCRS Annual Symposium held in Boston, USA this April, 2014 by the President of the Society, Prof. Dr. Eric Donnenfield.

➤ Awarded the Antonio SCARPA Medal and Oration of the Italian Ophthalmic Society, which is the highest honor given by the Italian Ophthalmic Society for outstanding Work, Research, Outstanding Surgical Skills in Ophthalmology by the President of the Society, Prof. Matteo Piovella in Milan, Italy, May 2014.

➤ He has been honored by the Swiss Eye Research Foundation, by the President of the Swiss Ophthalmic Society, Prof. Bojan Pajic at the recently concluded Congress EyeAdvance Focus conference, June 2014.

He is the only Indian to be elected a Member of the Legion d' Honor of the Instituto Barraquer, Barcelona, Spain

➤ Prof. Dr. Keiki Mehta is the only distinguished Indian Ophthalmic surgeon to be ever invited to Operate Live at Video Cataracta in Milan, Italy, where only the best of the best are invited, at Europe's biggest Live Surgery Conference

➤ Prof. Dr. Keiki R. Mehta is considered India's foremost Ophthalmic surgeon, and has conducted Live Surgical workshops in every major city in India, and has trained thousands of doctors in Intraocular implant surgery and Phacoemulsification and Laser refractive surgery including Lasik.

➤ Prof. Dr. Keiki R. Mehta is India's foremost Consultant Ophthalmic Surgeon, and is The Surgical Chief & Medical Director of The Mehta International Eye Institute, Colaba, Mumbai, considered to be Asia's most advanced and foremost Ophthalmic Institute, and specializes in Cataract, LASIK, Glaucoma, Squint, Lazy Eyes, Keratoconus, Retinal surgeries and treatment. An outstanding researcher and clinician, he has extensive experience of Excimer Laser, PRK and LASIK techniques which he has done on over 11000 patients over the last 15 years.

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Knowing Prof. Dr. Keiki R. Mehta



Prof. Dr. Keiki R. Mehta
receives the Grand Honors award from
the ASCRS in Boston at the hands of the
President Prof. Eric Donnenfield



Prof. Dr. Keiki R. Mehta
receives Leading International
Ophthalmological Award from
Swiss Eye Research Foundation Award



Prof. Dr. Keiki R. Mehta
presented the Prestigious
Antonio Scarpa Medal in Italy.

- ▶ The American Implant Society awarded him its Appreciation Award, at San Francisco for pioneering Soft Intraocular implants for the first time in the world.
- ▶ He has received Grand Honors Award from the National Eye Research Foundation, Chicago, USA, the only Indian to be ever awarded.
- ▶ Presented the prestigious Lim International Award from the Asia Pacific Intraocular Implant Association for outstanding work in Ophthalmology in the Asia Pacific Region, the only Indian to be presented this award.
- ▶ Awarded the Triple Ribbon Award of the American Society for Cataract and Refractive Surgery, USA, for Outstanding Research presentations in Ophthalmology.
- ▶ Presented the Outstanding Recognition Award by International Council of Cataract Surgeons for Outstanding Research & Development in Cataract Surgery, award presented at Barcelona, Spain. Presented advanced research papers on Lasik Internationally and won the Outstanding Presentation Award at San Diego, USA.
- ▶ He is the winner of 11 Gold Medals in India, having received virtually all the Honors possible, has been the President of the All India Ophthalmologists Association and President of the Intraocular Implant and Refractive Society among many others.
- ▶ Chairman and Organizing Secretary of the very successful EyeAdvance Congresses for the last 26 years 1996–2023 These have now reached an iconic status and are recognized worldwide.

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