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Nethradhama launches Karnatakaâ??s first mobile unit for bladeless eye surgery

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A first in Karnataka, the mobile FEMTO surgery unit is designed to bridge the gap between cutting-edge eye care and regional accessibility



In a major leap for precision eye surgery in Karnataka, Nethradhama Superspeciality Eye Hospital has launched the Ziemer Z8 Neo, a state-of-the-art multi-purpose femtosecond laser system, now being delivered across multiple centres within the city through a custom-engineered mobile unit.

This strategic deployment ensures that patients across all Nethradhama branches can benefit from bladeless, high-precision procedures without the need to centralise care at a single location.

The Ziemer Z8 Neo is often described as the Swiss army knife of ophthalmic lasers. It is used to perform bladeless eye surgeries that are gentle, precise, and quick to heal. These include FEMTO-assisted cataract surgery, vision correction procedures like CLEAR and LASIK to reduce dependence on glasses, and treatments for conditions such as keratoconus or damaged corneas.

All of these are performed using laser pulses instead of blades, making the procedures safer, less invasive, and more comfortable for patients.

With patients actively seeking the best available technology, bladeless surgeries are increasingly preferred for their accuracy, comfort, and minimal downtime. The Z8 Neo's ability to integrate with premium intraocular lenses and advanced planning software ensures patients experience high-definition vision with reduced dependence on glasses.

During the pilot phase, over 600 cataract surgeries and nearly 300 corneal and refractive procedures have already been successfully completed using the Z8 Neo, including bladeless LASIK and the increasingly popular CLEAR technique.

The mobile deployment of the Z8 Neo enables decentralised delivery of premium procedures, offering an approach that balances technological excellence with cost-efficiency. Instead of installing a unit at every branch, Nethradhama's rotational model allows for weekly procedures at each location, offering consistent care while reducing infrastructure overheads.

Nethradhama plans to expand this mobile FEMTO model further, making it accessible to more centres across southern India and continuing its legacy of bringing global-standard technology to local care.