

HANITA LENSES

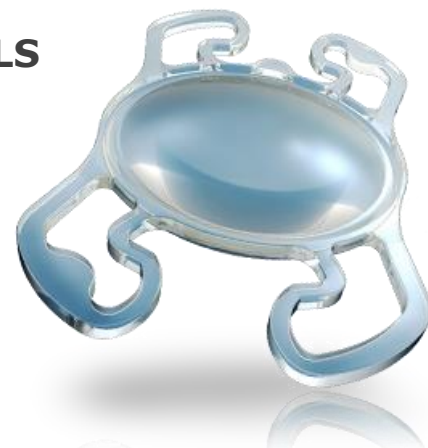
The next generation of Intra Ocular Lens solutions is here with **Birmingham Optical Ophthalmology Division**



HANITA LENSES have been manufacturing IOLs since 1981. Their IOLs have been developed using proprietary algorithms and optical benchmarking culminating in the unique concepts of Dynamic Light Utilisation (DLU) and Pupil Aperture Optimisation (PAO).

MONOFOCAL HYDROPHILIC and HYDROPHOBIC IOLS

- Aspheric
- C Loop (SEELENS) or 4 Loop (BUNNY) Designs
- Range from -5D to +40 D
- Ultra Square Edge to minimise PCO
- 6mm Optic -13mm length SEELENS ,11.5 mm BUNNY



HANITA BunnyLens



HANITA SeeLens

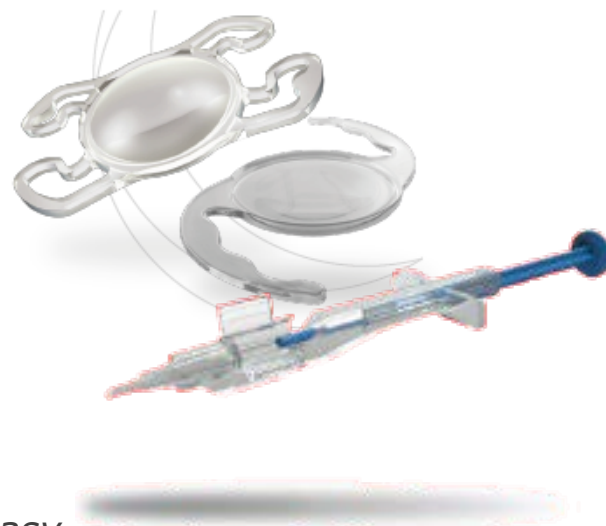
TORIC IOLs-PERFECTOR and VISTOR

PERFECTOR TORIC is a 1 D TORIC
This IOL is available "off the shelf" Platform Strength 10-30 D, an ideal IOL solution for 60 % Cataract patients

VISTOR
The TORIC IOL solution for higher astigmatic corrections
1-10D in 0.5 D Increments-10-30 D platform

PRELOADED IOLS

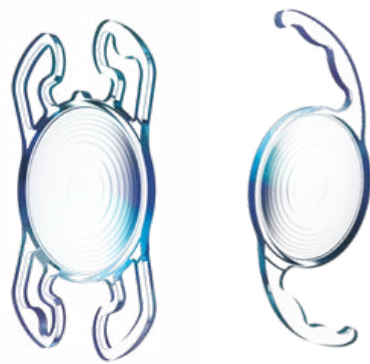
PRELOADED and ready to implant in a simple injection technique. 1.8mm -HYDROPHILIC, 2.2mm HYDROPHOBIC



HANITA Easy

Intensity

By Hanita Lenses

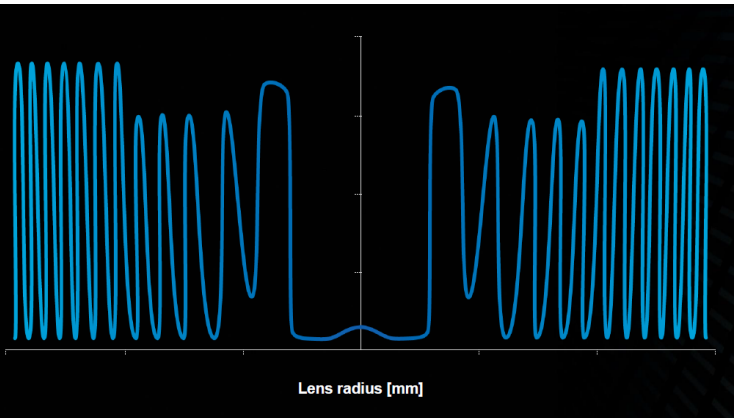


VISION REDEFINED

The **INTENSITY** Diffractive Multifocal Premium IOL combines 4 key elements that together revolutionize and redefine post operative vision for cataract patients and refractive patients. (10-30 D)
INTENSITY TORIC -available 1-3 D Cyl (10-30 D)

1) ACCURATE POLISH-FREE PRODUCTION PROCESS

The Intensity lens is manufactured using a proprietary lathe process designed to enable maximum accuracy of both the lens profile and its diffractive rings. Through this lathe process, the lens reaches optimal sharpness and a profile design for maximal contrast sensitivity.

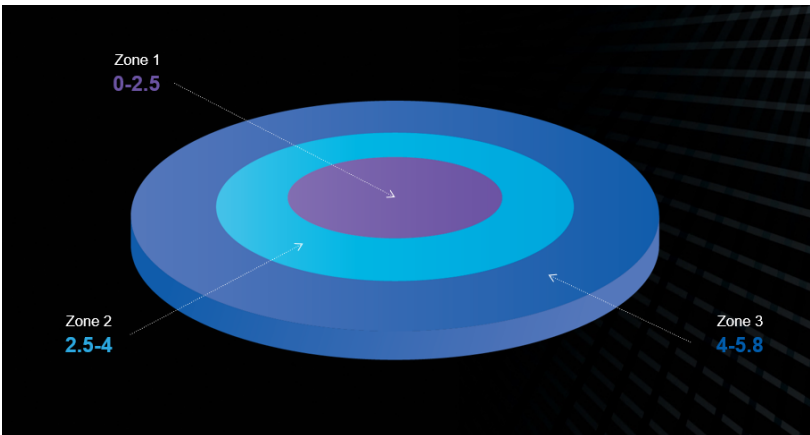


2) LENS PROFILE

The lens has a special profile that enables the creation of continuous, uninterrupted vision throughout the entire vision range. The profile is built of smooth shapes with a total of 12 steps -in addition to distance, intermediate and near are 2 additional focal lengths-meaning a smooth defocus curve from infinity to 40 cm

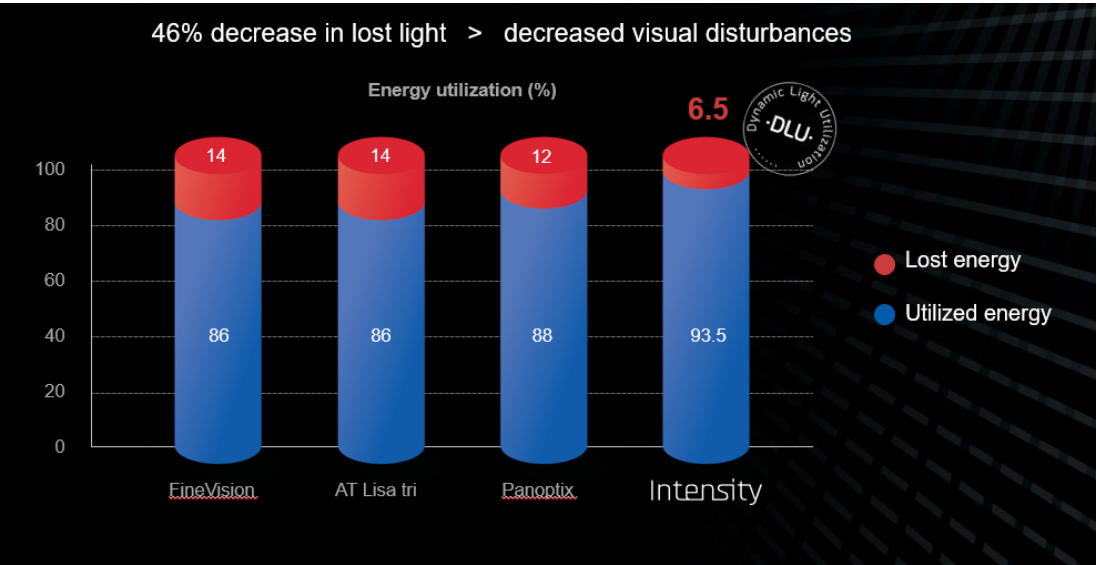
3) PUPIL APERTURE OPTIMIZATION

The lens profile consists of three zones, each of which is optimized by the Dynamic Light Utilization algorithm. Multiple areas allow for better performance, diverse pupil sizes and all lighting conditions. The special division of zones, derived from the DLU Algorithm, helps to obtain higher Modulated Transfer Function values



4) DYNAMIC LIGHT UTILISATION (DLU)

Intensity's proprietary algorithm works on a concept of multiple loops between target plane and source plane in order to maximize light intensity utilization. This results in a 46% reduction in light loss and decreased visual disturbances



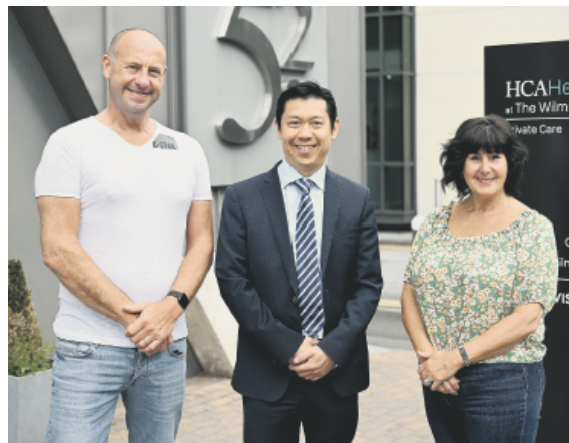
Diameter	SeeLens: 13mm BunnyLens: 11mm
Power Range	10.0D to 30.0D (0.5D increments)
Optic body	6 mm
Optic design	Posterior surface: Aspheric – Diffractive Anterior surface: Spherical Pupil aperture optimized
Refractive index	1.46
Spherical Aberration	-0.13µ
Material	25% Hydrophilic Acrylic
Light utilization	Intensity optimized by DLU technology
Light filtration	Natural Yellow Violet Filter
Diffractive area	5.2 mm



COMING SOON! Intensity TORIC
1 - 4.5 dioptries cyl (10 - 30 dioptic platform)



SUCCESS STORY



Andy and Gail Lythgoe with Consultant Ophthalmologist Mr SayAunQuah

LOVE AT SECOND SIGHT: Lancashire Couple First in the UK to Receive Revolutionary Eye Lens Implants

Andy and Gail Lythgoe, both 54, from Atherton near Leigh, are the first people in the country to undergo the procedure, which saw them fitted with new Intensity Premium intraocular multifocal lenses, which allow eyes to remain in focus for driving, computers, reading and hobbies - without the need for glasses.

The Lythgoes, who run a family plastering business, were treated by Consultant Ophthalmologist Mr Say Aun Quah at HCA UK at The Wilmslow Hospital in Cheshire. Mr Lythgoe said: "We're really pleased - it's given me a new lease of life; as a plasterer, it can be so frustrating to wear glasses- they steam up or get spattered with plaster - so not having to wear them ever again is incredible."

Mrs Lythgoe said: "When you wake up in the morning the first thing you do is reach for your glasses. Not anymore! We are thrilled - not having to wear glasses is great - whether it's checking invoices on the computer or reading food labels in the supermarket.

"I look after our two young grandchildren, Alice and Thomas, two days a week, and your glasses often get knocked off playing with them." "I call Mr Quah my 'miracle man'; it's surgery so you are apprehensive, but he put us at ease straight away."

The lenses are designed by renowned implant lens manufacturer Hanita Lenses, and recently launched in the UK by Birmingham Optical. Most intraocular lenses implanted in the United Kingdom are of a fixed focal length (Monofocal), so that distant objects will be focused clearly by the eye. Many patients are perfectly happy with this but will still have to use their spectacles to help them focus for different distances, such as reading, driving, using the computer etc.

Mr Quah commented: "I am pleased with the ease of implantation and stability inside the eye of the new Intensity intraocular lens. My patients and I have been delighted with their visual outcomes".

At the new Ophthalmology Division at Birmingham Optical, we partner with eye care professionals to supply some of the world's leading products and technologies, providing expert product knowledge within all specialties. Call our team today!



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