icarelabs®
A DIVISION OF ICARE INDUSTRIES

HERITAGE digital lens technology

HERITAGE plus digital lens technology

HERITAGE ultimate digital lens technology

The HERITAGE Portfolio includes

PROGRESSIVE DESIGNS

Pre-determined corridor lengths for easy selection or computer selected based on the patient's Rx, frame, and face fit measurements. All designs include variable decentration and edge blending for cosmetically appealing eyewear without compromising the optics performance. The right and left lenses have individual designs to provide the best visual experience.

HERITAGE

All purpose design with low distortion, clear distance, and generous reading areas. Available in six corridor lengths for excellent frame range coverage.

HERITAGE PLUS

Recommended for presbyopes looking for an upgrade to their first progressive. Includes variable corridor lengths from 13mm to 20mm. Computer software considers the patient's frame choice and fitting details to automatically select the optimum corridor length.

HERITAGE ULTIMATE

A premium variable corridor design created using Smooth Optics Technology for a smooth mean power profile and great patient comfort. EyeView and Digital EyePower corrects oblique errors and adjusts cylinder and axis powers for optimum visual correction. Computer selected corridor based on patient's individual measurements.

FEATURES	H	HP	HU
Corridor Lengths*	13-18mm	12-20mm	10-20mm
Minimum Fitting Height	14mm	13mm	11mm
Corridor Selection	Fixed	Variable	Variable
Smooth Optics Technology			⊗
EyeView Technology			⊗
Digital EyePower			⊗
Edge Blending	⊗	⊗	⊗
Variable Decentration	⊗	⊗	⊗
Variable Inset			⊗
Rx Prism	⊗	⊗	⊗
Flatter Lens Curves	⊗	⊗	⊗

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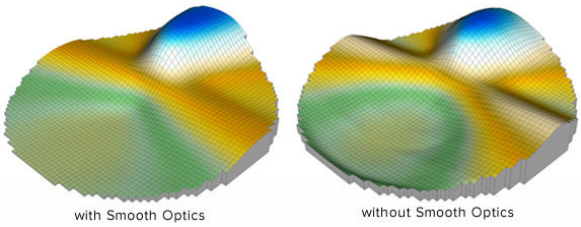
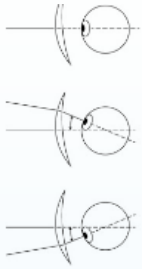
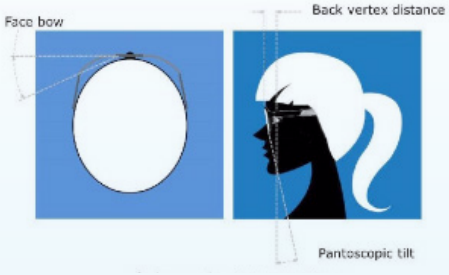
HERITAGE OPTICAL TECHNOLOGIES

Smooth Optics™ Technology allows the lens designs to be created from the outset with a very smooth power profile reducing "swim effect" for comfortable viewing in all fields.



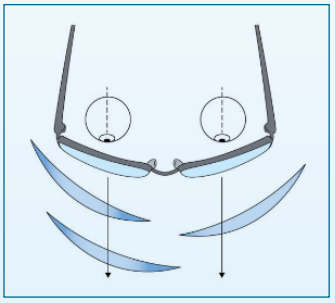
EyeView™ Technology allows correction of oblique astigmatic and mean oblique errors caused by the eye's variable gaze angle during normal wear. As the eye gazes away from the optical centre of the lens, the optics are distorted reducing the clear viewing fields.

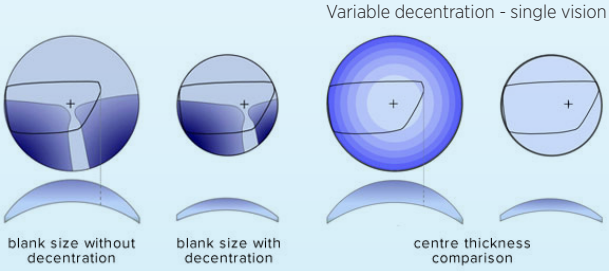




Digital EyePower™ is an extension of the EyeView principles, where an individual's back vertex distance, Pantoscopic tilt, and face bow measurements are used to adjust the sphere, cylinder, and axis of the prescription to obtain the best "as worn" conditions possible. Special software then simulates how the eye views through the lens at any given angle to provide the best correction values.

This feature is especially useful for frames with high wrap angles. With conventionally surfaced lenses, the inherent astigmatic errors away from the optical center of the lens which must be placed at either side of the eye frame. The optical performance of the lens deteriorates as more angle of warp is introduced. With the combination of EyeView and Digital EyePower Technologies, the functional field of vision is widened to the lens edge providing clear viewing throughout.





Variable decentration allows the use of smaller diameters and flatter base curves reducing the plate height and lens thickness for thinner, lighter lenses. The smaller lens blank diameter also increases lens material options.

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