



CROSSBOWS
optical

CUSTOM SINGLE VISION

Custom Single Vision is an aspheric lens design that delivers enhanced visual performance for myopes and hypermetropes with a better clarity of vision through a reduction in the peripheral distortion.

DIGITAL EYEVUEW



Raytracing technology ensuring superior performance across the entire lens

DIGITAL EYEPPOWER



Personalisation on another level! Eyepower provides best as worn condition through patient's parameters and frame choice

Bringing Innovation & Vision To A Clearer Digital Future

Freeform digital technology is usually associated with progressive lens designs but single vision prescriptions also benefit from this advancement. Since the optical centre of a cast single vision lens is a fixed point, high plus and minus prescriptions can result in restricted fields of clear vision, unflattering profiles and a limited range of frame choices for these patients. Introducing advanced technologies **Digital EyePower** and **Digital Eyeview** resolves these traditional problems.



EyeView Technology corrects 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.

EyeView uses specially developed software that incorporates the results of raytracing over the lens and corrects these errors for the

individual's prescription.

Digital EyePower is an extension of **EyeView** principles, where the extra Back Vertex Distance and Pantoscopic tilt along with face bow measurements come into play to obtain the best "as worn" conditions possible. This involves using a complex model of how the eye looks through the lens. Correcting astigmatic errors on the periphery of

the lens allows strong prescriptions to be used in sports and fashion wrap frames. With conventional lenses, the astigmatism on the lens edges results in distorted fields of view at either the nasal or temple side of a wrap frame. With modern digital technology, the wider viewing field extends across the entire frame hbox.

- Improved vision with minimal peripheral distortion
- Custom Single Vision lens is **14% thinner**
(based on -5.00D power, Ø70, 1.6 index)
- Flatter lenses adding to the improved cosmetic

- appeal
- Wider choice of frames
- Reduces the small eyes effect for high minus prescriptions and big eyes effect for high plus prescriptions