

UNITY® Performance Optics

With traditional progressive lenses there are limitations, as they are designed to accommodate for a limited prescription power range using limited fitting parameters. Vision is compromised and peripheral vision is restricted, not allowing for the best visual experience for the wearer.

In order to provide the the ideal visual experience, VSP Optics Group has introduced UNITY PLXtra, a simple, easy-to-dispense 100% back side, freeform progressive lens solution that's fully customized for the patient Rx, frame, and position of wear.

Back Side Freeform Performance Difference

With advanced software and freeform technology it's now possible to customize the progressive lens design for the visual requirements of individual wearers. Residual lens aberrations are virtually eliminated, allowing for the widest fields of clear vision possible.

Placing the optics of a progressive lens fully on the back side can minimize unwanted magnification effects such as skew distortion and unwanted cylinder powers. Also, when the optics are located on the back surface it brings the progressive viewing zones closer to the eye so wider fields of vision may be accomplished.

Position-of-Wear Performance Difference

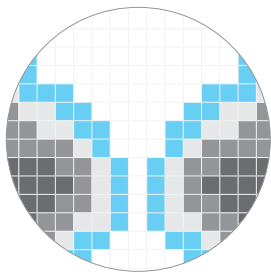
Pantoscopic Tilt: The measurement of pantoscopic tilt is important, as lens tilt will cause oblique astigmatism, resulting in unwanted cylinder power.

Frame Wrap: The correct measurement of face-form wrap is important because it will increase the fields of vision and help to reduce the awareness of back side reflections.

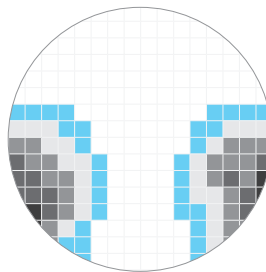
Back Vertex Distance: Vertex distance measurements are crucial, as the patient's Rx is intended to be fit at that distance from the patient's eye to the back of the lens so they can experience the clearest vision possible.



Learn more from
your UNITY sales
representative.



Example of **compromised results with actual prescription and traditional progressive lens designs.** Traditional progressive lenses can't account for the visual requirements of individual wearers, resulting in compromised fields of vision and constricted periphery.



Example of **customized results with UNITY PLXtra lens design.** 100% back side, freeform progressive lens design that's fully customized for the patient's Rx, frame, and **position of wear**, providing the widest fields of clear vision possible.