



CENTURY OPTICS

**21ST CENTURY OPTICS INVESTS IN NEW TECHNOLOGIES**



At 21st Century Optics, we continue to invest in state-of-the-art equipment that allows us to produce premium lens technologies locally and in a timely fashion.

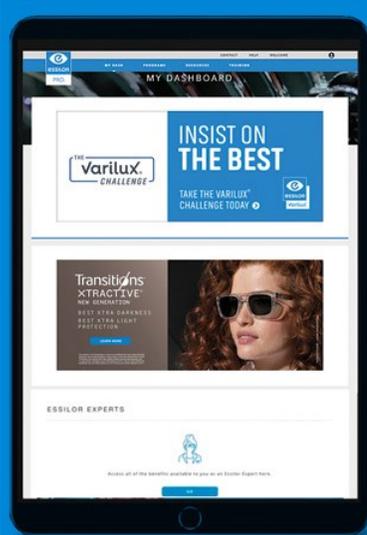
We are pleased to announce our latest acquisition—the MEI EasyFit Trend edger. The EasyFit is the only lens cutting machine able to edge every kind of bevel (bevel, rimless, drilling, polishing, safety bevel, T-bevel, step back, sports frames) with every inclination (up to base 16) in one single process. This will afford us significantly higher precision on specialty edged jobs as well as increasing overall productivity.

In addition we just upgraded our lens taping equipment, increasing our capability to taping 300 lenses per hour.

With the addition of this new equipment, our goal remains to deliver exceptional consistency, unbeatable quality and excellent support to you, our valued customers.



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**NEW EYEZEN® KIDS LAUNCHING APRIL 12TH**

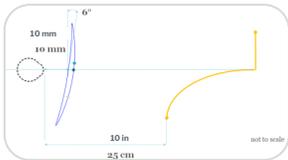
# Eyezen® Kids

New **Eyezen® Kids** lenses are designed for children between the ages of 6-12 years old and are uniquely optimized for how children see the world. Unlike adults, children tend to be “eye movers” and subsequently use a larger surface of the lens. With Standard Single Vision lenses, aberrations occur in the periphery of the lens, a zone highly favored by children. *Eyezen Kids* lenses take into account 3 children’s parameters: their **morphology, object distance** and **gaze directions**, to provide them with a better all-around visual experience<sup>1</sup>. *Eyezen Kids* lenses also help reduce exposure to Harmful Blue Light by at least 20%<sup>2</sup>.



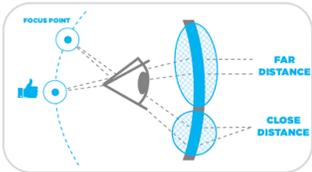
### Morphology

Children have different facial features than adults as they continue to grow that are not addressed with standard single vision lenses. *Eyezen Kids* lenses take into account children’s distinct facial features by adapting the lens calculation to include children’s standard measurements for Vertex, Pantoscopic Tilt, and Wrap Angle<sup>3</sup>.



### Object Distance

Children’s stature and their arms are shorter than adults and therefore they look at objects at a closer distance. *Eyezen Kids* lenses optimize design calculation to include a near vision distance of 10 inches vs. 16 inches for adults.

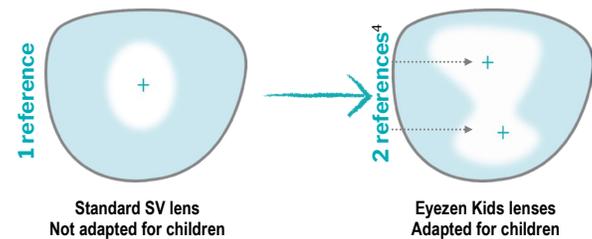


### Gaze Directions

*Eyezen Kids* lenses take into account that children are eye movers and use the upper part of the lens and the periphery more than adults. *Eyezen Kids* lenses are optimized in all gaze directions to provide the wearer the right power in all parts of the lens, not just at one central point.

**Eyezen® Kids lenses optimize the periphery of the lens that is often used by children**

**Eyezen® Kids lenses provide 60% more optimal lens area and 60% less aberrations in the near vision area<sup>5</sup>**



**Standard SV lens**  
Not adapted for children

The design only considers the center of the lens so aberrations can occur in the periphery (a zone widely used by children)

**Eyezen Kids lenses**  
Adapted for children

*Eyezen Kids* lenses use two reference points to optimize the surface of the lens for children’s gaze directions (not just center of lens), maintaining prescription across a larger area of the lens.

Combination of Power error and unwanted astigmatism: Eyezen® Kids lens vs Standard SV lens		
	+5.00 (-2.00) 0°	-6.00 (-2.00) 45°
<b>EYEZEN® KIDS</b>		
<b>STANDARD SV</b>		

**Eyezen Kids will launch on April 12, 2022 and will be available only in Polycarbonate Clear and Transitions® Signature® Gen8™ in Gray, Brown, and Graphite Green. Visit the Eyezen folder in our Document Center for sales aid.**

<sup>1</sup>Compared to standard single vision lenses. <sup>2</sup>Eyezen Kids lenses filter at least 20% of blue light, which is the high energy wavelengths found between 415-455 nm on the light spectrum (blue-violet light). <sup>3</sup>Based on Essilor examination and measurement of the eye head coordination in 169 children aged between 6-14 years old. <sup>4</sup>For illustration purposes only. Eyezen Kids optimization point placement vary for every patient and is based on R&D wearer data as well as patient prescription. <sup>5</sup>Internal simulations versus an Essilor standard SV lens on a range -6.00D to +5.00D (±2.00D).