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SMART PARABOLIC

About SMART PARABOLIC

- SMART PARABOLIC stands for a **new generation** of individual progressive lenses with highest visual comfort.
- The **combination** of CX and CV freeform surfaces (PARABOLIC) is the logical step in a maximal optimized generation of progressive lenses.
- By individualizing the PARABOLIC front surface (CX) AND the ULTRA-HD back surface (CV) it is possible for the first time to develop and produce an almost complete **distortion-free** progressive lens.
- Special SMART PARABOLIC calculation algorithms ensure **perfectly matched** CX and CV surfaces.









SMART PARABOLIC

Differences to conventional backside processing

- → The parabolic CX surface leads to a **reduction** of the base curve in the far distance. The result is not only a much more **aesthetical pleasing** appearance, but also **less distortion** in the far distance zone as the front curve becomes flatter.
- → Reducing the gradients on the CV side allows **better manufacturing possibilities** and a **wider channel** on the back.
- \rightarrow **Reduction** of total astigmatism





Powermap and Cylindermap comparison

OPTICPROJECT Designs



ULTRA-HD Sport

Distance and appropriate balanced reading portion is the description of a modern progressive lens design. For the ULTRA-HD Sport you need both specifications to achieve better overall utility. In combination with our highly defined front surface we reach best visual comfort for the user.

You can adjust the corridor length from 8 mm to 13 mm in 1.0 mm steps

ULTRA-HD Life

The feeling to see naturally is a dream every lens design would like to achieve. With the new ULTRA-HD Life Design and the Parabolic front surface, we have met the requirement independent of the lifestyle with highest expectations.

You can adjust the corridor length from 8 mm to 13 mm in 0.1 mm steps

ULTRA-HD Office

A double progressive office lens is the latest development on the market. With the performance of the dynamic power to use for certain distances and the wider visual area, the development of the ULTRA-HD Office gives all possibilities for intermediate areas.

You can cover working distances between 30 cm and 4.00 meters

Available SMART PARABOLIC Blanks

PARABOLIC Base Curve Availability:

	1.5 wh	1.56 wh	1.6 (UV420)	1.67 wh	1.5 РНОТО	1.56 PHOTO	1.6 РНОТО	1.67 PHOTO
0,50	х	x	х	x	*	*	*	*
2,00	х	x	x	x	*	*	*	*
4,00	x	x	x	x	*	*	*	*
5,00	x	x	x	×	*	*	*	*
6,00	x	x	x	x	*	*	*	*
7,00	x	x	x	x	*	*	*	*
8,00	x	x	x	x	*	*	*	*

x = available

* = available early 2018

wh = white UV420 = Blue light protection PHOTO = Photochromic

SMART PARABOLIC

The new SMART PARABOLIC product allows you to offer your customers a technically 3D-optimized spectacle lens.

- Flatter base curve \rightarrow more **aesthetic** glass
- Improvement of the channel width and the reading zone \rightarrow better **immediate** adaption
- Reduction of glass thickness \rightarrow weight reduction
- Optimized for the OPTICPROJECT-Designs
 ULTRA-HD Sport

ULTRA-HD Life

ULTRA-HD Office



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