

### **Parameters**

Vertex Distance	<b>/</b>
Pantoscopic Angle	<b>/</b>
Wrapping Angle	<b>/</b>
Pupil Distance	<b>/</b>
Segment Height	<b>/</b>
Variable inset position	<b>/</b>

# SMart Evolution 3 digital progressive

Anyone into luxury visual comfort is sure to be impressed by the SMart Evoloution 3D digital progressive. The design combines functionality with extraordinary style and suits for today's demanding customers.

High Definition Digital surfacing now enables the manufaturing of lenses with tremendous accuracy, ensuring lenses are produced to the designer's desire.

All SMart Evoloution 3D digital progressive lenses are available with our unique Maxiivue MV997 anti-reflective or STRESSfree protective blue light reduction coating.

Each comes with a guaranteed level of quality and performance.

SMart Mono
Sport

SMart Mono
Google Glasses

SMart Comfy

LIFESTYLE

SMart Reader 1.3M,2M,4M,6M INDOOR SMart Drive

SMart Sport

EXPERT

SMart Learner

SMart Near

SMart
All Round

SMart Distant

ALL- IN - ONE

# **Premium Anti-Reflective Coating**

# **NEW** Maxiivue **MV997**

A whole new level of scratch-resistant to help combat any potential lens damage caused by daily wear and tear, exposure to intense conditions and strain of continuous cleaning. Extraordinary clarity with long lasting performance and easy to clean.











# **STRESSfree**

An innovative lens coating for the new age. The widespread use of computers, iPads and smartphones are causing more people to suffer from eyestrain after long periods of exposure to digital screens, which emit blue light form the display.

With the development of the STRESSfree lens coating that diminishes the effects of the blue light, if is highly recommended for people who spend time excessively in front of technological devices to consider a pair of STRESSfree lenses that can decrease the level of high energy blue light.



# Lifestyle DIGITAL BAY-PATH SMart Evolution 32 digital P





## **SMart Mono**

# Advantages

- Total personalization
- Maximum optical quality for any prescription
- Compatible with any material
- Thinner and lighter lenses
- High precision and high personalization
- Clear vision in every gaze direction
- Oblique astigmatism reduced
- Possibility to input the frame shape for accurate optimization
- Frame shape optimization available

# **SMart Mono Sport**

# **Advantages**

- High Visual Definition in all gaze directions
- Pre-configured parameters
- Compatible with any base curve and material
- High precision and high personalization due to Digital HD technology
- ► Frame shape optimization available

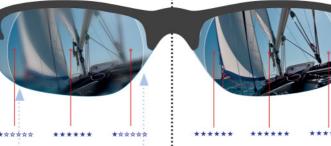
# **SMart Mono Google Glasses**

## **Advantages**

- ▶ Reduces eye strain and eye fatigue so that smart glasses can be comfortably worn for longer periods of time
- Digitally surfaced so that quality and accuracy of the prescription is uniquely customized to each person
- ► Allows for the widest prescription range available for smart glasses in SV, Bi-focal and Progressive designs



## **SMart Mono Sport**



Optical performance decreases from center to edges of the lens. Peripheral vision is not accurate as it should be

To Field of Vision

Excellent optical performance not only in the center of the lens but all across whole lens surface

HD Field of Vision

# **SMart Comfy**

# **Advantages**

- ► Reduce visual fatigue
- Infinity offers this design in two different additions, 0,5D& 0,75D
- ► High quality features in the near zone
- ► High precision and high personalization due to Digital HD technology
- Clear vision in every gaze direction
- Oblique astigmatism reduced
- Variable inset: automatic and manual
- ► Frame shape optimization available



# Indoor DIGITAL PATH SMart Evolution 37 digital progressive

## **INSIDERS LENS**

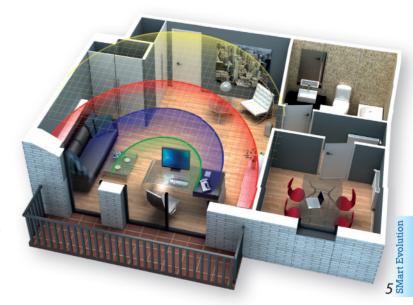


### SINGLE VISION LENS



# Summary of vision performance of different progressive lenses

Lens	Types	Performance
	Reader 1.3 m	Up to 1.3 meters (4 ft) of clear vision
	Reader 2 m	Up to 2 meters (6.5 ft) of clear vision
	Reader 4 m	Up to 4 meters (13 ft) of clear vision
	Reader 6m	Up to 6 meters (20 ft) of clear vision
	Progressive	Variable performance



# All-in-one + Expert DIGITAL BAY-PATH SMart Evolution 3 digital progressive

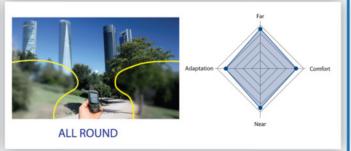




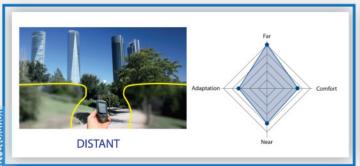
## Lens Designs Recommendation

Design	Model	Target Customer	n	Features		min FH (mm)
Design	IVIOGEI	ranger custoffici	Far	Near	Comfort	11
SMart All - in - one	<ul><li>LEARNER</li><li>ALL ROUND</li><li>DISTANT</li><li>NEAR</li></ul>	Novice wearers  Demanding Customers  Outdoors wearers  Wearers with intense use of near vision	***** ***** *****	****** ****** ****	***** ***** ****	16~20(1mm/step) 14~20(1mm/step) 14~20(1mm/step) 14,16,18,20
SMart Expert	<ul><li>DRIVE</li><li>SPORT /(BC+6.00-+8.00)</li></ul>	Drivers Sport wearers	***** *****	******* ******	***** ****	18 16,18

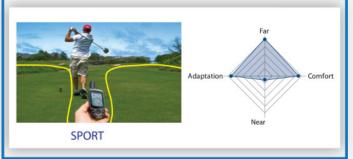






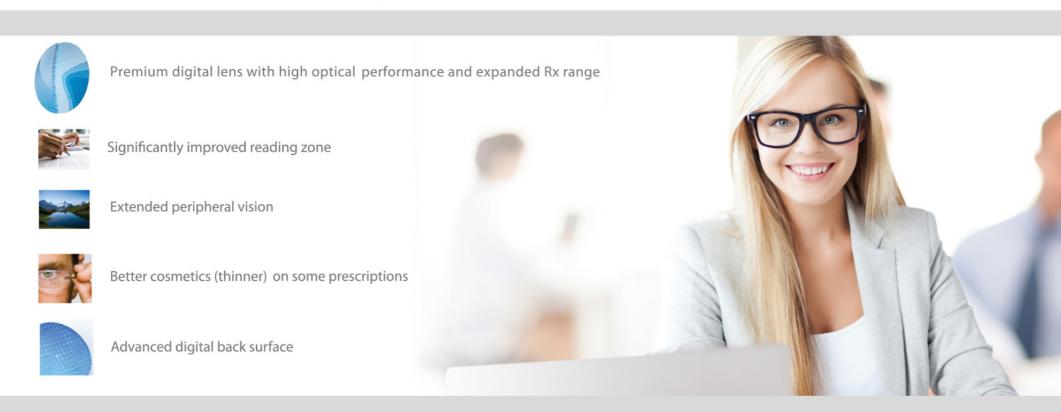






# SMart Evolution 3 digital progressive Camber





### LAB BRAND™ DIGITAL LENSES WITH CAMBER™ TECHNOLOGY:

State-of-the-art digital lens design combined with sophisticated new lens blank technology

SMart Evolution 3D digital progressive lenses are now available with Camber Technology, representing a breakthrough in combining digital processing with an innovative new lens blank design. The specially designed SMart Evolution 3D digital progressive lens blank features a increasing base curve that provides the optically correct curvature in each zone of the lens. This allows expanded reading

zones with improved peripheral vision. The advanced, digitally designed back surface can be comprehensively customized to each patient through a complete set of individualization parameters. Complex curves on both surfaces of the lens work together to provide excellent vision correction and a progressive lens experience like no other.

# **SMart Evolution** 3 digital progressive



6.5 D

6.5 D

6.5 D

6.5 D

# **Availability**

camber

### **Styles**

Clear

Transitions® Signature™ Gray & Brown

### **Materials**

Hard Resin

1.60 High Index

1.67 High Index

### **Base Curves**

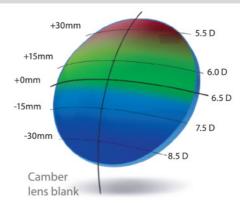
0.50, 2, 3, 4, 5, 6, 7, 8

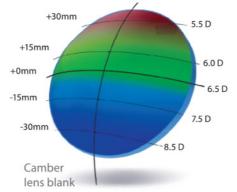
# **Compare Front Surfaces**

Most digital progressive lenses are processed from a single vision lens blank, which has just one base curve from top to bottom.

In this case, the base curve in the reading area is not ideal, and oblique astigmatism results.

The Camber lens blank has a patented, continuously increasing base curve, ideal for the increasing power profile of digital progressive lenses.

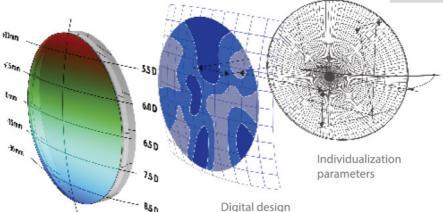




# A Combination of Complex Curves

When the unique front surface is combined with a sophisticated back-side digital design, both surfaces work together to become the Camber finished lens.

The design may be further enhanced by a complete set of individualization parameters to comprehensively customize the lens for each individual patient.



Camber lens blank

+30mm

+15mm

-30mm

Spherical

lens blank

+0mm

-15mm

The combination of the Camber variable base curve front surface and the enhanced digital back surface design creates the Camber finished lens, an advanced digital progressive that provides remarkable visual acuity in every viewing zone.

# SMart Evolution WEARER COMPARISON STUDY



In a double-blind study, test wearers compared conventional single vision blanks with Camber blanks, each processed with exactly the same digital progressive design.

### STUDY PROCEDURE:

- Test wearers wore each pair of glasses for the duration of one week, but were not aware of which lenses they were wearing for the entirety of the study.
- Both pairs of lenses were of identical material and base curve, and mounted in the same frame.
- Wearers were surveyed about their experience with the lenses after testing them both.





PROCESSED FROM CAMBER LENS BLANKS

### "DOUBLE-BLIND" RESEARCH

To prevent bias, neither the wearers nor study administrators are aware of which lenses are being tried during either week.

### **RESULTS OF WEARER STUDY**

NEAR ZONE EASIER TO FIND

WITH CAMBER LENSES

**EASIER ADAPTATION** WITH CAMBER LENSES

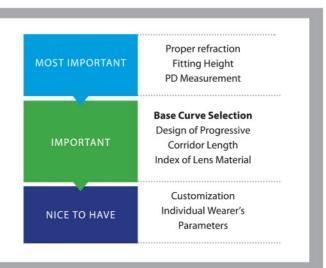
NEAR VISION QUALITY EQUAL OR BETTER

WITH CAMBER LENSES

# HIERARCHY OF **IMPORTANCE**

FOR MAKING A SUCCESSFUL PROGRESSIVE RX

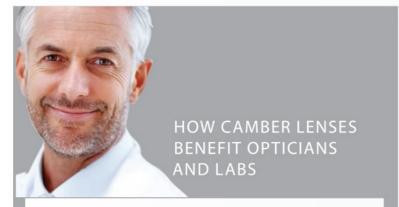
There is a lot of confusion in optical industry about which parameters are the most important towards supplying a successfully dispensed RX progressive. Not surprisingly, those items directly controlled by the ECP are still the most important! Base curve and lens index material play a more important role than factors such as customization and individualization.



# ADVANCED CURVE TECHNOLOGY

FOR PROGRESSIVE RX WEARERS





### SUPERIOR OPTICS Wide open fields of vision

### PREMIUM TECHNOLOGY

Feel confident that the product you are dispensing is as technologically advanced as any lens in the market

### EASIER FRAME SELECTION

Higher base curve prescriptions have fewer frame limitations

### BETTER LOOKING

More cosmetically appealing front curve for many high plus and high add prescriptions



### **BETTER VISION**

In all zones, compared to SV Blank

### LATEST TECHNOLOGY

Camber's two-surface design is unique and patented

### **FULLY CUSTOMIZABLE**

Every variable that affects vision can be individualized to patient

### IMPROVED READING AREA

More spacious, easier to find with the eye

### **EASIER ADAPTATION**

Study shows quicker adaptation for most wearers

### WEARERS PREFER CAMBER

Study shows more wearers preferred lenses made from Camber blanks to lenses made from single vision blanks

OMNI

**Parameters** 

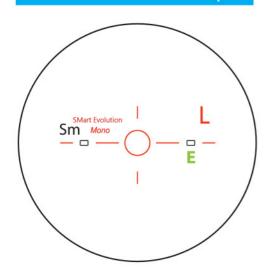
Pupil Distance	<b>~</b>
Segment Height	~
Vertex Distance	×
Pantoscopic Angle	×
Wrapping Angle	×

**Camber** Parameters

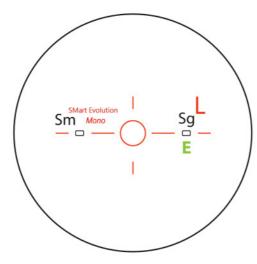
Pupil Distance	<b>Y</b>
Segment Height	~
Vertex Distance	~
Pantoscopic Angle	~
Wrapping Angle	~
Near Working Distance	<b>Y</b>



## SMart Mono / SMart Mono Sport

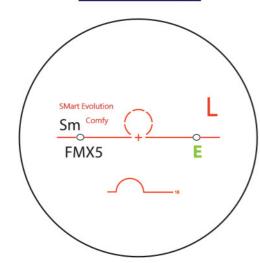


# SMart Mono Google Glass

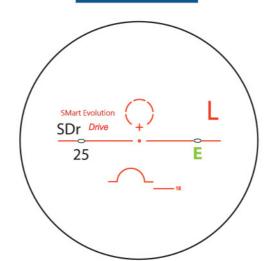


Marterial Engraving " <b>M</b> " ( Nasal )						
Material	Clear/Tint	Transitions /XTRActive	Nupolar	Drivewear		
1.5	Е	Т	Z	W		
1.53 SAFEWear	V	TV	ZV			
1.59 ACTIFWear	L	TL	ZL	WL		
1.6	Н	TH	ZH			
1.67	Р	TP	ZP			
1.74	U	TU				

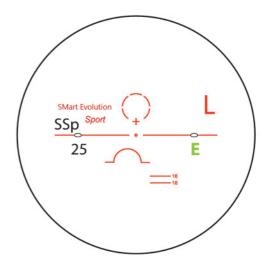
## SMart Comfy



## SMart Drive

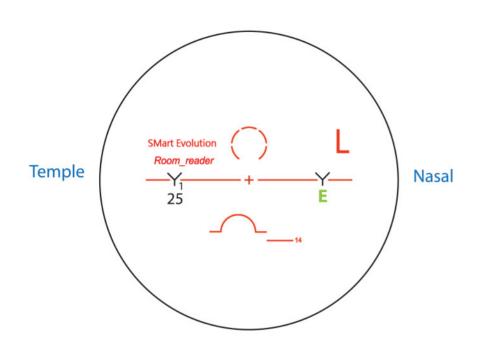


### **SMart Sport**



SMart Evolution
3 digital progressive

Smart Reader (1.3M, 2M, 4M, 6M)



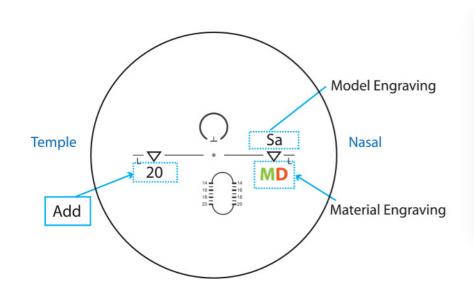
Marterial Engraving " <b>M</b> " ( Nasal )						
Material	Clear/Tint	Transitions				
1.5	Е	Т				
1.53 SAFEWear	V	TV				
1.59 ACTIFWear	Ĺ	TL				
1.6	Н	TH				
1.67	Р	TP				
1.74	U	TU				

PROGRESSIVE ENGRAVING" (Nasal)								
MODEL	Smart Reader 1.3M Smart Reader 2M			ader 2M	Smart Reader 4M		Smart Rea	ader 6M
ENGRAVING	Y <sub>1</sub> 25	Y E	Y <sub>2</sub> 25	Y E	Y₄ 25	Y E	Y <sub>6</sub> 25	Y

SMart Evolution

37 digital progressive

( All Round, Learner, Near, Distant)



Marterial Engraving " <b>M</b> " ( Nasal )							
Material	Clear/Tint	Transitions /XTRActive	Nupolar	Drivewear			
1.5	E	Т	Z	W			
1.53 SAFEWear	V	TV	ZV				
1.59 ACTIFWear	L	TL	ZL	WL			
1.6	Н	TH	ZH				
1.67	Р	TP	ZP				
1.74	U	TU					

Nasal Engraving MD

M: Material Engraving
D: Design Engraving

Example 1) **TU8** 1.74 Transition 18 mm fitting height design

Example 2) H7 1.6 Clear/Tint 17 mm fitting height design

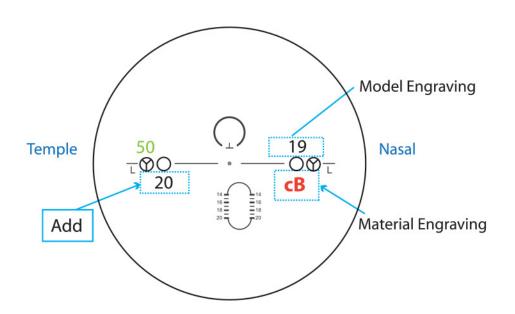
MODEL ENGRAVING" (Nasal)						
MODEL A TYPE (All-Round) L TYPE (Near) TYPE (Near) TYPE (Distant)						
ENGRAVING	Sa	SI	Sn	Sd		

A TYPE / N TYPE / D TYPE minimum fitting height 14-20mm

LTYPE minimum fitting height 16-20mm



(Balanced for all, Beginners, Near Precision, Superior far vision)



	Index code
1.5	50
1.6	60
1.67	67

MODEL ENGRAVING" (Nasal)						
MODEL  Balanced Beginners Near Precision far vision						
ENGRAVING	CB CS CN CD					

Balanced for all / Near Precision / Superior far vision minimum fitting height 14-20mm **Beginners** minimum fitting height 16-20mm

# Fitting Cross above MRP 4mm

# Wrap & Centration Chart

