

TECHNOLOGIES

Free-form fully personalized digital lens

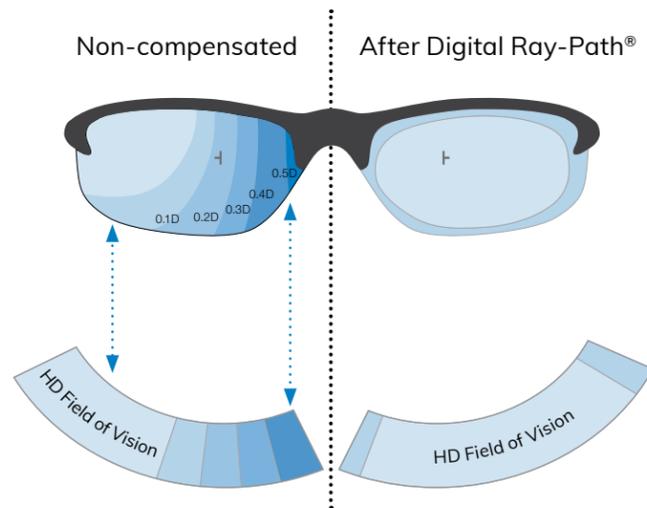
Digital Ray-Path® is the most advanced technology available to make digital lenses. The important difference appears when calculating the back surface of the lens. Instead of using a pure geometrical method, Digital Ray-Path® technology is based on an advanced three-dimensional calculation model that takes into account the actual position of the lens and the natural movements of the human eye. The result of this innovative calculation method is a lens that is personalized and provides better vision in all zones of the lens. Digital Ray-Path® lenses are personalized according to the individual parameters of each wearer.

Relaxation and comfort in front of a digital display

Smart Add is a technology specifically designed to improve comfort when viewing electronic devices (smartphones, tablets, computers, etc.). The intermediate and near visual regions have been optimized for agile focus with less effort. The eyes are more relaxed, eyestrain disappears, and the wearer's posture is more ergonomic. Smart Add technology improves lens performance while reading on screens, optimizing the surface for a more dynamic vision.

OPTION

Wrap Frame Compensation



Any Platinum HD progressive lens can be specially produced for a wrap frame. Using Digital Ray-Path® technology, the optician has the opportunity to measure the wrap angle of the frame and include this information when ordering the personalized progressive lens.

Digital Ray-Path® compensates for high rotation and lens tilt. This advanced technology generates progressive lenses that take into account a high wrap angle and provide the wearer with a high definition field of vision. No matter the gaze direction or frame curvature, the final quality of vision is always optimized to offer the highest optical performance.

PLATINUM HD

Fully Personalized Digital Progressive Designs

The Platinum HD Series represents a group of engineered designs that incorporates Digital Ray-Path® technology. Each design in the Platinum HD Series is guaranteed to have the most sophisticated personalization and optical performance. Digital Ray-Path® makes it possible to create a lens that is perfectly suited to each wearer. Prescription, personalization parameters, and frame data are taken into account to generate a customized lens surface that is specific to each wearer and frame. Each point on the lens surface is also compensated to provide the best possible visual quality and performance. Platinum HD is more than a lens design – it is a highly personalized lens that accommodates wearers with extreme precision.

 DIGITAL RAY-PATH®

 SMART ADD

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OVERVIEW

	Platinum HD Mobile	Platinum HD N	Platinum HD D	Platinum HD F	Platinum HD XS	
Description	Fully personalized progressive lens					
Strengths	Intermediate & near enhanced for electronic devices	Near vision enhanced	Balanced between near and distance	Distance vision enhanced	Extra-soft design	Exclusive for narrow frames
Far	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Near	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Comfort	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Technologies	Digital Ray-Path® Smart Add	Digital Ray-Path®	Digital Ray-Path®	Digital Ray-Path®	Digital Ray-Path®	Digital Ray-Path®
MFH's available	14, 15, 16, 17, 18 mm	14, 15, 16, 17, 18 mm	14, 15, 16, 17, 18 mm	14, 15, 16, 17, 18 mm	14, 15, 16, 17, 18 mm	10, 11, 12, 13 mm



DEMONSTRATION



PLATINUM HD MOBILE

Personalized design, specially developed for electronic device users. It provides expanded near and intermediate visual fields combined with a smooth transition that allows wearers to change in a more agile way.



PLATINUM HD N

Fully personalized design specially created for experienced progressive wearers who want the best near vision. Superior near vision and comfort for reading or near work.



PLATINUM HD

Fully personalized design with a balance between distance and near vision. Highly recommended for experienced and demanding progressive wearers who are looking for an all-purpose, comfortable progressive lens with wider visual fields at all distances.



PLATINUM HD D

Fully personalized design specially developed for experienced progressive wearers who want the best distance vision. Panoramic high performance distance vision for traveling or enjoying landscapes.



PLATINUM HD F

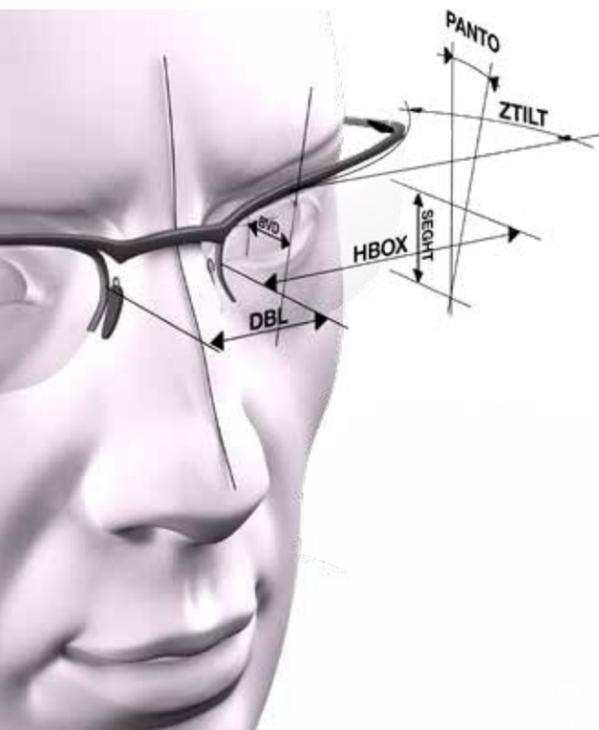
Fully personalized design for first time progressive wearers. Extra-soft design with a smooth soft transition between distance and near vision zones.



PLATINUM HD XS

Fully personalized design available in very short MFH's, allowing easy adaptation to narrow frames. Specific for those wearers who need a very short corridor length.

PERSONALIZATION



Personalization can make a big difference in ophthalmic lenses. When a lens is optimized for a single wearer, the best possible optics are achieved. Each wearer will experience the best quality of vision and superior comfort.

When possible, the ECP should take measurements for all personalization parameters and send them with the lens order for a full compensation. These parameters will be used by Digital Ray-Path® to refine the optimization of the lens.

As a result, Digital Ray-Path® creates a lens that provides better vision through every point of the lens. The wearer will perceive wider, more comfortable visual fields in the distance, intermediate and near vision zones.

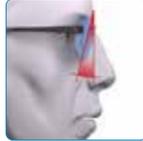
Personalization parameters used for the calculation are specific for each individual patient. Those parameters represent the identity of each wearer and make it possible to create unique lenses.

PERSONALIZATION PARAMETERS



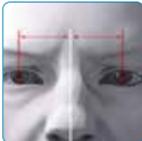
Prescription & Addition

Digital Ray-Path® calculates the power that the wearer will truly perceive once the lenses are fitted into the frame.



Pantoscopic Angle

The angle in the vertical plane between the optical axis of a spectacle lens and the visual axis of the eye in primary position.



Monocular Pupillary Distance

The distance from the axis of symmetry of the face to the center of the pupil.



Wrap Angle

The frame curvature.



Pupil Height

The vertical distance between the pupil center and the deepest part of the lens shape.



Back Vertex Distance

The distance between the cornea and the back surface of the lens.



Frame Dimensions

Used to calculate the final diameter and thickness of the lens, and to improve the efficiency of the optimization.



Near Working Distance

The distance from the lens to the typical reading position for the wearer.