

A new concept of LDS
software that redefines
freeform lens design with
the latest advanced
technology.



www.optoplus.cloud

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Welcome

to the Opto+ experience, the future of creating your lenses.

Optical

Step into a new realm of optical excellence. Our designs stand out with unparalleled innovation compared to those currently in the market. Upholding the same core values and design principles, our lenses offer reduced astigmatism, along with cleaner and wider visual fields. This is not just a concept it's a reality.

The distinction comes from our use of patented algorithms based on curved surfaces, such as circles and sphere-related geometry, which minimizes the additional astigmatism often introduced by curve-based algorithms like B-spline and Nurbs.

Welcome to Opto+, marking a new era in lens design calculation.

Technology

Thanks to the Cloud Platform and scalable computing power, Opto+ is capable of outputting lenses in just a few seconds with the basic setup. If the power limit is reached or exceeded, Opto+ automatically scales up to maintain calculation speed.

With cloud-based infrastructure, this capability is available globally, as the system automatically connects to the nearest data center for calculations. This means Opto+ has no power limits.

Opto+ also offers the ability to analyze lenses via software using real surface file data, eliminating the need for a physical lens mapper. Each calculated lens can be inspected in both 2D and 3D views, alongside its power and cylinder maps, with the ability to check astigmatism values at every point on the lens. Additionally, Opto+ software provides the thickness of the lens at each point, offering comprehensive insights into your designs.



Adaptable far and near width

Dynamically sets the far zone and near zone length according to the frame shape

Dynamic decentration

Moves the design to find the perfect fit to the frame shape

Frame Design rotation

Rotates every single design progressive zones expanding the frame vision capabilities



D A = D

“

Experience the forefront of innovation with our US-patented DAFD algorithm – the state-of-the-art in freeform lens design now powered by the Opto+ AI.

”



Dynamic Adaptable Frame Design

Due to geometrical aspects, not all modern and most fashionable frame shapes can be used with progressive designs.

Although frame shapes are a starting point for buying a new pair of eyeglasses, they are likely to become a limitation when choosing the progressive designs.

In most cases, progressive zones can't be properly defined, and vision comfort is severely affected. In such cases, the customer has to change the selected frame shape with a most suitable one. The main challenge today is to accomplish customer fashion frame requests with the best optical vision performance possible.

The foundation of Opto+ DAFD (Dynamic Adaptable Frame Design) lies in Opto+ D.V.S. technology, enabling the individual customization of design settings, including far and near zones, inset, decentration, and more.

By combining D.V.S. and Opto+ **Ai⁺** technology, along with the powerful Opto+ cloud computing infrastructure, DAFD design is born.

Frame shape data sent to Opto+ LDS automatically replicates the exact frame shape in the cloud and adjusts the progressive design to match the selected frame.

Opto+ DAFD – The Self-Designing Progressive Lens with Opto+ **Ai⁺** Technology

Automatic Design Rotation

Ensures perfect alignment with the frame geometry.

Automatic Design Decentration

Guarantees optimal placement for visual clarity.

Dynamic Progressive Zone Adjustment

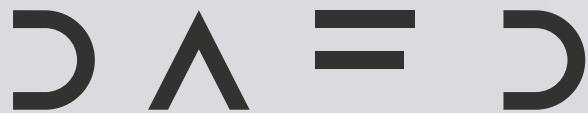
Automatically customizes the width of far and near vision zones (D.V.S. Technology).

AI-Driven Optimization

Powered by Opto+ **Ai⁺**, the system analyzes all possible configurations, cross-referencing historical customer data to select the most effective design.

Key Features of Opto+ DAFD

This ensures the perfect balance between reduced astigmatism, wider clear vision areas, and optimal lens thickness.

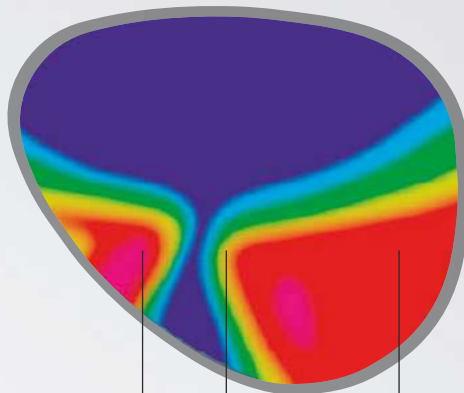




Effortless Integration for Labs

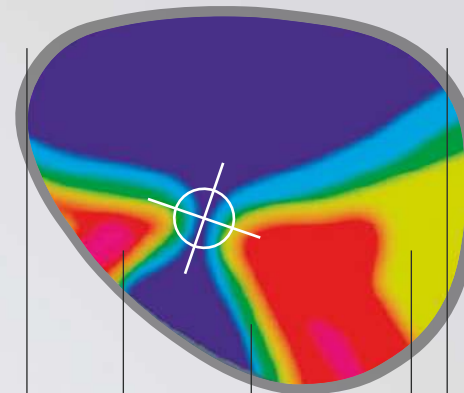
Opto+ DAFD integrates seamlessly into any production lab without requiring changes to existing software or machinery, making it a true game-changer in the ophthalmic industry.

Traditional Opto+ Progressive Design



Manual design settings

Opto+ DAFD Progressive Design



Automatic Near Vision
zone rotation

Automatic peripheral
areas optimization

Automatic Far Vision area expansion



DVS – Dynamic Vision System.

One of Opto+'s pioneering technologies, serving as the foundation for all other solutions introduced to the market.

The D.V.S. technology was developed to address one of the key challenges in the optical industry: the customization of progressive lenses.

Currently, there are numerous specific designs aimed at meeting various user needs, such as prolonged outdoor use, intensive reading, or frequent use of digital devices. However, Opto+ has revolutionized the traditional approach by creating a single progressive design capable of dynamically and precisely adapting to the individual needs of every wearer.

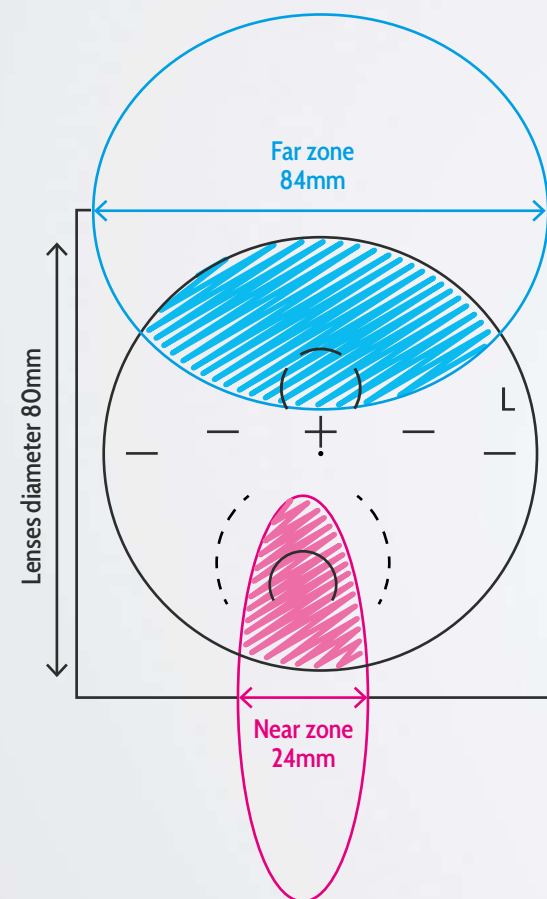
By leveraging advanced mathematical algorithms, the D.V.S. technology enables adjustments to the width of the main vision areas – distance, near, and intermediate – within the same progressive design

Customization for Each Laboratory

Each lab can tailor its offerings based on the features it wishes to enhance in the lens:

- Extension of the near zone: ideal for users who frequently use smartphones or tablets.
- Extension of the far zone: designed drivers or those who primarily engage in outdoor activities.
- Softness of the design: for a comfortable and natural visual experience.

Adjustments to the vision zones must also consider peripheral astigmatism, a critical factor to balance alongside the length of the progressive channel. Opto+ has made it possible to integrate infinite real-world combinations into a single progressive design, thanks to the D.V.S. technology applied to various mathematical models, such as those based on hyperbolas or spline tensors.



Extreme Flexibility and Adaptability

The D.V.S. technology provides unprecedented flexibility, adapting even to specific or extreme requests and ensuring rapid adaptability for the wearer. For laboratories, this means using a single design to meet the diverse needs of their clientele.

With the Dynamic Vision System, Opto+ delivers a unique solution combining innovation, customization, and visual comfort, meeting the demands of a continuously evolving market.

Available Settings for Progressive Zones

Opto+ allows for multiple configurations to optimize the progressive design:



Far vision optimization

Ideal for improving vision in the upper part of the lens.



Near vision optimization

Designed for those who require a wider and more precise lower zone.



Wide frames

Perfect balance among near, intermediate, and far zones for larger frames.



Small frames

Specific calibration to ensure optimal performance with narrow frames.

“

Opto+ has developed a technology that provides for the application of mathematical algorithms that allow, in the same design, to change the width of the main areas of vision of the far and near.

This intrinsic flexibility of the design offers the laboratory the advantage of customizing the design even when defining the commercial offer, using the same design with different width parameters for different purposes of using the lens.

”



BES – Balance Eye Smoothing.

The problems related to the adaptation in the use of progressive lenses are mainly due both to the aberrations present both in the progressive areas of vision (far, near and channel), and to those present in the peripheral areas, which force the wearer of glasses to unnatural movements of the head.

The poor sharpness limits of the peripheral vision areas are due to the integration of the different geometries of the distant area and the near area, thus creating not only high astigmatism values, but also a lot of non-homogeneity of the cylinders. These fluctuations in values, when reading the maps, show themselves as “waves of the sea”.

In nature, the more waves there are in the sea, the more agitated it appears to us. The higher the waves, the more there is a storm. In progressive lenses it works the same way, the more sudden changes in astigmatism there are and the more you have vision difficulties, the higher the astigmatism values are and the

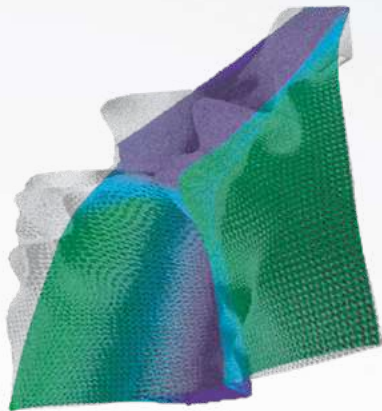
more you experience lens wear problems, such as headaches and nausea.

The Opto+ designs, thanks to the mathematical methodologies applied natively in the design phase, have always guaranteed a sharpness of the progressive areas (Far, near and channel) close to 99%. Perceived astigmatism is therefore tending to 0.

In recent years, the Opto+ innovation team has focused on optimizing vision in the peripheral areas and Balance Eye Smoothing (BES) technology is the result of this research. The BES combines different mathematical techniques that allow you to keep the average

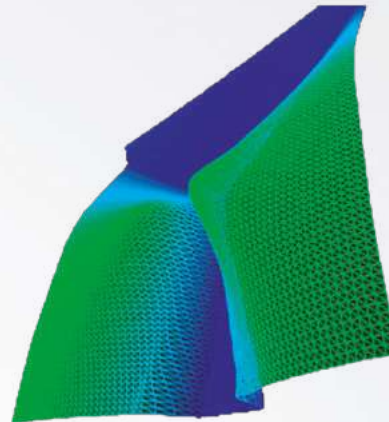
values of power and the values of astigmatism under control, standardizing them as much as possible within the peripheral areas. In this way, average astigmatism values are obtained that do not disturb binocular vision.

The BES, now applied in all Opto+ designs, has composed and harmonized the set of progressive surfaces, ensuring greater comfort and sharpness of vision in all directions, so as to reduce the adaptation time to the progressive lens and limiting - in some cases eliminating - the disadvantages of aberrations in the peripheral areas.



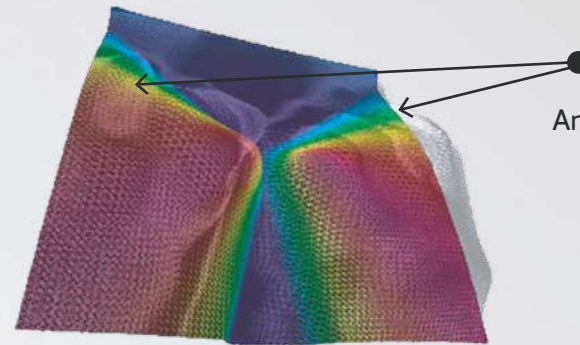
Traditional Lenses

The different areas are presented in a disconnected and non-uniform way.



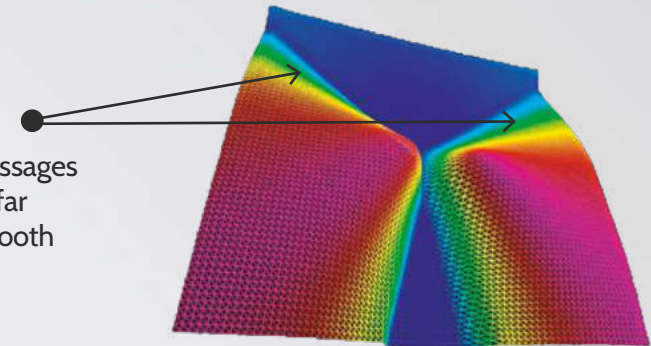
Opto+ lenses

Thanks to our Mathematical algorithms progressive zones are balanced and smoothed.



Angular and uneven areas

Softening in the passages between near and far areas to avoid the tooth effect



“

The Opto+ designs, thanks to the mathematical methodologies applied natively in the design phase, have always guaranteed a sharpness of the progressive areas (Far, near and channel) close to 99%. Perceived astigmatism is therefore tending to 0.

”



BES 2.0

BES 2.0 (Balance Eye Smoothing) is an advanced mathematical algorithm designed to enhance the visual performance of progressive lenses by applying a weighted averaging process to a larger set of data points on the lens surface.

In this second-generation technology, each calculation is based on a group of 13 points—an improvement over the 7-point calculation used in the original BES technology. Within each 13-point cluster, the lowest astigmatism value is identified and used as the reference point. This reference value then drives a smoothing algorithm that reduces astigmatism across the entire lens.

By applying this process to all calculation points on the lens surface, BES 2.0 achieves:

- Further reduction of astigmatic errors.
- Greater balance between right and left lenses.
- More consistent and comfortable visual fields for the wearer.

This enhanced smoothing approach results in progressive lenses with superior optical balance and improved wearer adaptation, pushing the limits of precision lens design.





LiteX

LiteX is the Opto+ technology that optimizes lenses manufactured in freeform, reducing thickness without compromising visual quality.

Thanks to proprietary calculations, LiteX improves the distribution of optical rays and simplifies the manufacturing process, ensuring:

- Thinner and more aesthetically pleasing lenses.
- Optimized surfaces for faster and more precise processing.
- Greater sharpness and visual comfort for the wearer.

LiteX: Light technology, crystal-clear vision.

With LiteX, Opto+ Designs become thinner, lighter, and more comfortable.

An intelligent technology that combines aesthetics and visual quality, designed to meet the needs of both professionals and eyewear wearers.





SuperSoft

SuperSoft is a cutting-edge lens design technology that takes a fundamentally different approach compared to BES and BES 2.0. Instead of relying on point-by-point analysis of the lens surface, SuperSoft leverages historical big data and artificial intelligence to predict and optimize the lens geometry and astigmatism distribution.

By analyzing extensive datasets of wearer adaptation patterns and optical performance, the system can accurately model the lens without manually calculating every single point. This results in:

- Significantly faster and more precise lens generation.
- Optimized astigmatism control driven by predictive modeling.
- Superior wearer adaptation, making comfort and ease of use the core strengths of this technology.

SuperSoft represents the next step in intelligent freeform lens design, combining advanced AI-driven insights with optical expertise to deliver exceptional results.







The Eye and Head Tracking System

LensForge, a patent-pending technology, scans your habits to create a progressive design that adapts to your unique needs.

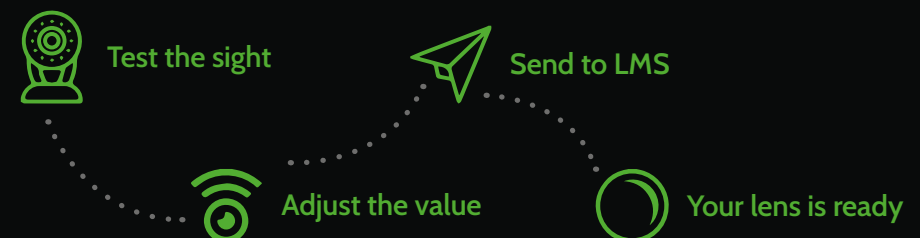
lensforge
VISION SCANNING SYSTEM

Tailor-Made Vision

Crafting Your Personalized Progressive Lens

Once our immersive environments generate personalized vision maps for each individual, the magic begins. We employ state-of-the-art processing techniques to craft progressive lenses that perfectly suit your needs.

From close-up to distance vision, your lens is intricately crafted to adjust the width of progressive zones, ensuring unparalleled clarity and comfort.





Unmatched Comfort and Clarity Embrace the LensForge Revolution

Experience the future of personalized vision with LensForge, a revolutionary advancement brought to you by Opto+.

Combining immersive scenarios and advanced eye and head tracking technology with cutting-edge progressive lenses, LensForge is redefining the way you see the world.

At the heart of LensForge is its ability to create customized vision maps for each individual. LensForge tracks not only eye movements but also head movements, ensuring unparalleled accuracy and precision. Say goodbye to compromises and hello to a vision solution tailored specifically to you.



LensForge includes an advanced measurement section. By using the device's camera, it accurately determines the pupillary distance, fitting heights, and the optimal corridor based on the chosen frame. This intuitive tool improves measurement accuracy and optimizes the entire customization process.

Available in leading optical stores, LensForge offers a seamless and incredibly easy-to-use experience without the need for specialized devices or complex interfaces.

Simply let LensForge analyze your natural eye and head movements, and watch as it crafts a progressive lens that fits you like a glove. Powered by our cloud-based system, LensForge utilizes D.V.S. technology to design the perfect lens for your lifestyle and physiometric specifications.

From near to far, LensForge ensures optimal clarity and comfort by adjusting the width of progressive zones with meticulous precision.

lensforge
VISION SCANNING SYSTEM



reflæct

Lens Simulator

The App That Revolutionizes the Visual Experience

Reflect is an innovative web app, accessible from any internet-connected device and fully integrated into the Opto+ platform. Designed to transform how optical labs present and evaluate their designs, Reflect combines advanced technology with user-friendly simplicity to deliver a unique and engaging experience.

Explore Designs with Cylinder Maps and Simulate Vision

With Reflect, you can view all the lab's designs in detail, represented through intuitive and interactive cylinder maps. Each design can be simulated in a virtual environment, allowing users to see in real-time how optical corrections translate into the finished lens. Thanks to the power of the cloud, Reflect processes every freeform design from the Opto+ platform in just moments, transforming it into an accurate visual simulation. This feature allows users to fully understand the benefits and performance of lenses created with Opto+ technology.

Boost Sales and Enhance Technical Communication

Reflect is an indispensable tool for sales teams. It provides detailed technical information and delivers a clear and realistic visual experience,

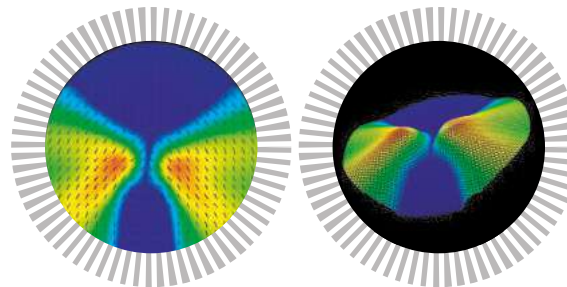
helping to effectively communicate the value of lenses and convince customers through practical, immediate demonstrations.

Showcase Lens Treatments

The dedicated treatment section allows you to simulate every available option, instantly demonstrating the effectiveness and benefits of treatments applied to finished lenses. This is a valuable resource for highlighting the added value of the lab's solutions.

Precision Measurements

Reflect includes an advanced measurement section. By using the device's camera, it accurately determines the pupillary distance, fitting heights, and the optimal channel based on the chosen frame. This intuitive tool improves measurement accuracy and optimizes the entire customization process.



Why Choose Reflect?

Reflect is more than just an app, it's a complete ecosystem that combines technology, aesthetics, and functionality to enhance every aspect of lens design and sales. Offering realistic simulations, precise measurements, and an intuitive platform, Reflect is redefining industry standards in the optical sector. Discover today how Reflect can transform your lab and elevate your customer experience to the next level.



Design	Type	Far Vision	Near Vision	Int. Vision	Technology	Corridors	Min. Fitting Heigh (mm)	Max Add	Inset
Starter									
Basic	Soft Progressive	●●○	●●○	●●○	LiteX LiteX + DVS + LensForge	6/8/10/12	14/22/23/28	4	From 2 to 2.5
Basic Plus	Soft Progressive	●●○	●●○	●●○		5/6/7/8/9/10/11/12/13	13/14/16/19/24/26/30/32/34	8	From 0 to 5
Basic Extended	Soft Progressive	Dynamic	Dynamic	●●○		5/6/7/8/9/10/11/12/13	13/14/16/19/24/26/30/32/34	8	From 0 to 5
Premium									
Magic	Soft Progressive	●●○	●●●	●●●	BES	7/8/9/10/11/12/13	16/19/23/26/28/30/32	6	From 0 to 5
4K	Soft Progressive	●●●	●●●	●●○	BES	6/7/8/9/10/11/12/13	16/17/20/24/28/30/32/34	6	From 2 to 2.5
Vario	Soft Progressive	Dynamic	Dynamic	●●●	BES + DVS + LensForge	5/6/7/8/9/10/11/12/13	13/14/16/19/24/28/30/34	8	From 0 to 5
Elite									
Illusion	Soft Progressive	●●●	●●●	●●●	BES 2.0	7/8/9/10/11/12/13	16/19/23/26/28/30/32	6	From 0 to 5
Electra	Soft Progressive	●●●	●●●	●●●	BES 2.0	7/8/9/10/11	14/21/24/28/34	6	From 2 to 2.5
Digit	Soft Progressive	Dynamic	Dynamic	●●●	BES 2.0 + DVS + LensForge	5/6/7/8/9/10/11/12/13	13/15/16/19/24/26/30/32/34	8	From 0 to 5
DAFD	Soft Progressive	Adaptive	Adaptive	Adaptive	BES 2.0 + DVS + DAFD	Adaptive	Adaptive	8	From 0 to 5
Sensorial									
NoWayve	Super Soft Progr.	●●●	●●●	●●●	BES 2.0 + SuperSoft	7/8/9/10/11/12/13	14/20/24/28/32/34/38	6	From 0 to 5
Max Middle	Soft Progressive	●●●	●●●	●●●	BES 2.0	6/7/8/9/10/11/12/13	14/20/24/28/32/34/38	6	From 2 to 2.5
Driver									
Iron	Soft Progressive	●●●	●●○	●○○	BES 2.0	7/8/9/10/11/12/13	14/20/24/28/32/36	6	From 2 to 2.5
Steel	Hard Progressive	●●●	Dynamic	●○○	BES + DVS	5/6/7/8/9/10/11/12/13	13/14/16/19/24/26/30	8	From 0 to 5

Design	Type	Far Vision	Near Vision	Int. Vision	Technology	Corridors	Min. Fitting Heigh (mm)	Max Add	Inset
Sport									
Fantasy	Soft Progressive	●●●	●●○	●●○	BES	7/8/9/10/11/12/13	14/20/24/28/32/34/38	6	From 2 to 2.5
Office									
Desk	Soft Progressive	●○○	●●●	●●●	BES	9	21	4	2
Desk Plus	Soft Progressive	●●○	●●●	●●●	BES 2.0	9	21	4	2
Young Anti-Fatigue									
Relax	Soft Progressive	●●●	●●○	●●●	LiteX	9	21	2	2
Myopia Control									
MyoStop	Single Vision								
Bifocal									
Bifocal	Bifocal		From 24mm till lens diameter		DVS			8	
BSmart	Bifocal		28mm		BES 2.0			8	
Single Vision									
MONOF	Single Vision				LiteX				



Starter.

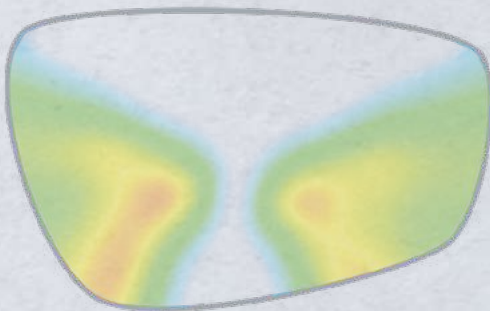
The Opto+ entry-level multipurpose soft progressive design, created to achieve the perfect balance between visual comfort and price. Crafted with the advanced Opto+ BES technology to minimize the 'swim effect' in the peripheral lens area and prevent cylinder collision in the progressive zones.

The ideal starting point for your product portfolio.



Basic

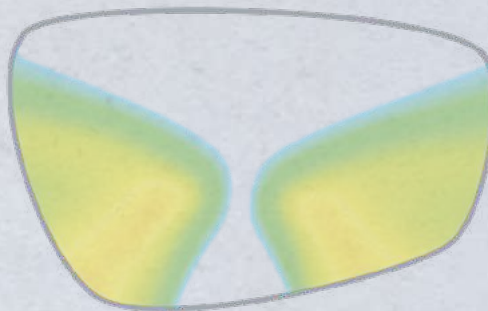
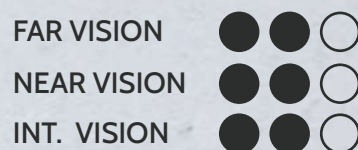
Recommended for novice progressive wearers. The Basic design has a good far zone length and good near zone length. Far and near zones width are balanced (Middle design). The BASIC design has fixed far zone width: 76mm and fixed near zone width: 20mm. The available corridor lengths are 6mm, 8mm, 10mm and 12mm.



Basic Plus

Dynamic people looking for comfort in frequent use outdoors. Very stable peripheral astigmatism that guarantees portability even for those not used to progressive lenses.

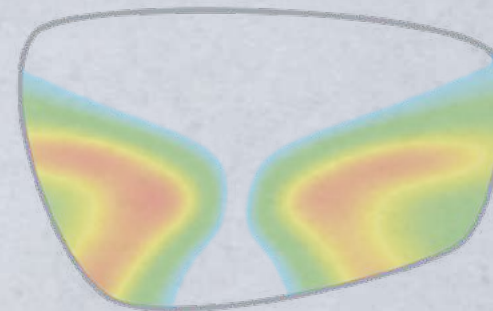
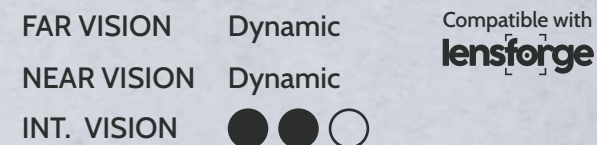
Different corridor lengths for various wearer's habit.



Basic Extended

Novice progressive lens user, who use near vision extensively. This design can be tailored according to the customer needs and frame shape.

Tailor your progressive vision experience with the Opto+ DVS Technology (Dynamic Vision System), enabling personalized adjustments to the width of both far and near vision zones. The near vision area begins expansively from the outset.



Premium.

Top-selling multipurpose soft progressive design: delivering high visual performance with Opto+ technology, enhancing vision quality and reducing the swim effect. With low and uniform astigmatism in peripheral areas, it is also ideal for novice progressive lens users.





Magic

The enchanting design with effortless customer adaptation. Perfectly crafted for first-time progressive lens users, this design features an expanded intermediate zone for enhanced comfort and clarity.

Once you experience it, you'll never want to switch to anything else.



4K

Ideal for dynamic individuals seeking a reliable solution for diverse activities.

This premium alternative design offers multiple corridor options and enhanced performance, delivering seamless adaptability for an active lifestyle.

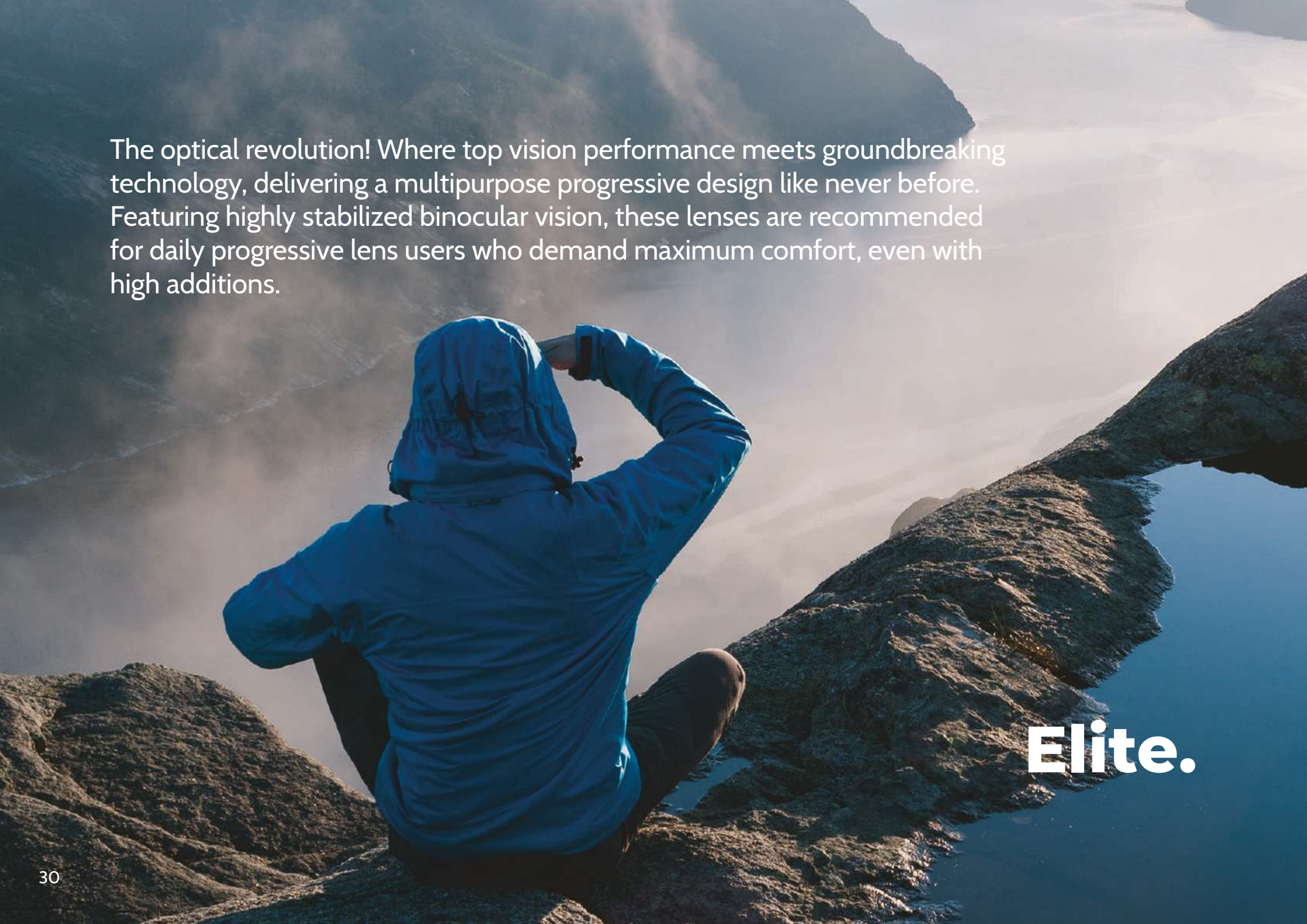


Vario

A premium design that can be custom-tailored to meet the diverse needs of progressive lens wearers with varying lifestyles.

With its consistently low astigmatism and funnel-shaped geometry, this design is ideal for frames with a large height. Tailor your progressive vision experience with the Opto+ DVS Technology (Dynamic Vision System), enabling personalized adjustments to the width of both far and near vision zones.

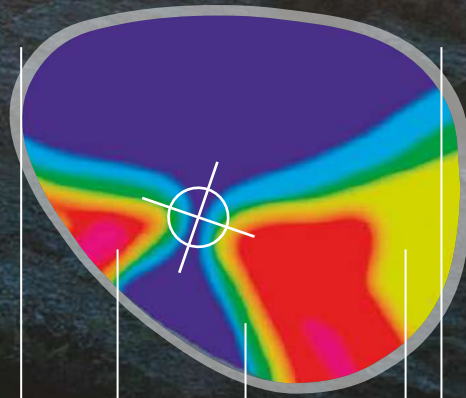


A person wearing a blue hooded jacket is sitting on a rocky outcrop, looking out over a vast, hazy landscape. The person's back is to the camera, and their hands are raised near their head. The landscape features a body of water on the right and distant, misty hills or mountains. The lighting suggests a sunrise or sunset, with a warm glow on the horizon.

The optical revolution! Where top vision performance meets groundbreaking technology, delivering a multipurpose progressive design like never before. Featuring highly stabilized binocular vision, these lenses are recommended for daily progressive lens users who demand maximum comfort, even with high additions.

Elite.

DAFD - Dynamic Design



Automatic Near Vision
zone rotation

Automatic peripheral
areas optimization

Automatic Far Vision area expansion



FAR VISION ● ● ●
 NEAR VISION ● ● ●
 INT. VISION ● ● ●

Illusion

The illusion of wearing a single vision lens while actually using a progressive design. With extremely easy adaptation due to the very low peripheral astigmatism.

This design is suitable for everyone.

CORRIDOR 7 mm
 ↓
 13 mm SOFT

⊕ ⊖ INSET
 Max 6 dtp
 ↔ 0 to 5

CORRIDOR 7 mm
 ↓
 11 mm SOFT

⊕ ⊖ INSET
 Max 6 dtp
 ↔ 2 to 2.5

Electra

Perfect for individuals on the go seeking comfort in High-quality lenses for everyday use, ensuring easy adaptation.

The availability of various corridors allows for the adaptation of this design to the diverse habits of the wearer.



FAR VISION ● ● ●
 NEAR VISION ● ● ●
 INT. VISION ● ● ●



FAR VISION
NEAR VISION
INT. VISION

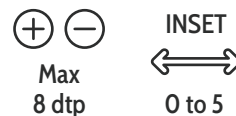
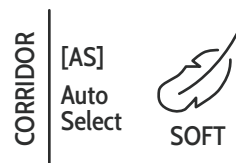
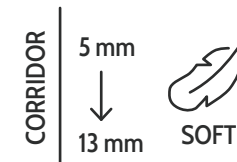
Dynamic
Dynamic
● ● ●

Compatible with
lensforge

Digit

An elite design that can be custom-tailored to meet the diverse needs of progressive lens wearers with varying lifestyles.

Personalize your progressive vision experience with Opto+ DVS Technology (Dynamic Vision System), enabling precise adjustments to the width of both far and near vision zones. When used in combination with LensForge, it becomes one of the easiest-to-use, human-tailored designs.



DAFD

The Self-Designing Progressive Lens with Opto+ AI Technology leverage frame shape data to create a unique, tailored progressive design. With fully automatic optical optimization, Opto+ DAFD is powered by Opto+ AI.

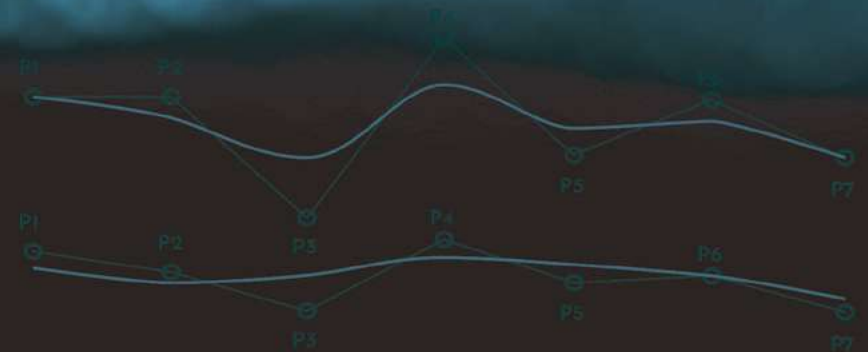
It analyzes all possible configurations, cross-referencing historical customer data to select the most effective design. This ensures the perfect balance between reduced astigmatism, wider clear vision areas, and optimal lens thickness.

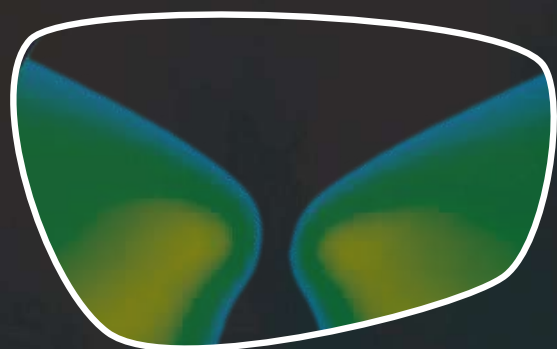


FAR VISION Adaptive
NEAR VISION Adaptive
INT. VISION Adaptive

Engineered to provide a truly immersive sensorial experience, these lenses are designed with advanced technology to optimize both comfort and clarity. By seamlessly adapting to different environments and lighting conditions, they deliver sharp and effortless vision throughout the day. Perfect for those seeking precision and comfort in every moment of their day.

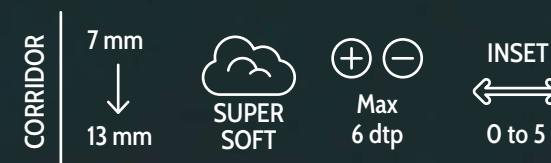
Sensorial.



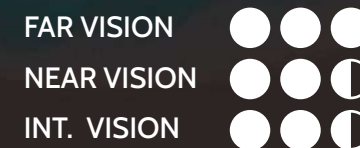


NoWayve

A seamless fusion of precisely balanced visual zones and record-low peripheral astigmatism. Crafted to cater to every wearer's unique needs, this design redefine the progressive experience.



NO·WAYVE



Sensorial.

The widest intermediate ever

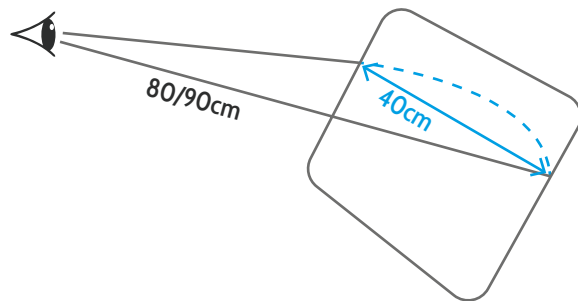
Vision at 360°

MaxMiddle



MaxMiddle

The enchanting design with effortless customer adaptation. Perfectly crafted for first-time progressive lens users, this design features an expanded intermediate zone for enhanced comfort and clarity. Once you experience it, you'll never want to switch to anything else.



At a distance of 80/90cm, the field of vision extends up to 40cm, allowing you to view devices (such as the cash register screen) without having to turn your head.



CORRIDOR	6 mm		 Max 6 dtp	INSET  2 to 2.5
	13 mm			
SOFT				

FAR VISION	●	●	◐
NEAR VISION	●	●	◐
INT. VISION	●	●	●



Drivers.

Greater comfort while looking
at the rearview mirrors

Clear and wide
near vision

A tailored solution for every driver's visual needs. Choose from the customizable precision, where near-vision zones are uniquely personalized, or opt for the supreme comfort of soft progressive design. Drive with confidence and clarity.

IRON

The best far vision ever



FAR VISION ● ● ●
NEAR VISION ● ● ○
INT. VISION ● ○ ○

CORRIDOR 7 mm
↓
13 mm

SOFT

⊕ ⊖
Max
6 dtp

INSET
↔
2 to 2.5

Iron

Where the name suggests hardness, but the experience is nothing but soft. Engineered for drivers seeking unparalleled comfort, this design boasts a unique blend of a hard design's precision and a soft design's comfort. Enjoy the road ahead with minimal astigmatism.

FAR VISION



NEAR VISION

Dynamic

INT. VISION



CORRIDOR

5 mm



13 mm



HARD



Max
8 dtp

INSET

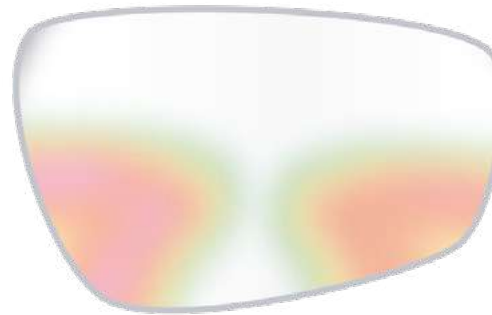


0 to 5

Drivers.

Steel

For drivers and individuals needing a wide far vision area. Recommended for both high and low prescription additions. Enhance your progressive vision experience with Opto+ DVS Technology (Dynamic Vision System).



Enables personalized adjustments to the width of the near vision zone. Design rotated by 4° to provide a more extended lateral view, ensuring superior peripheral vision.





**Design born for drivers mixing
the widest far vision area and a
customizable near vision length.**

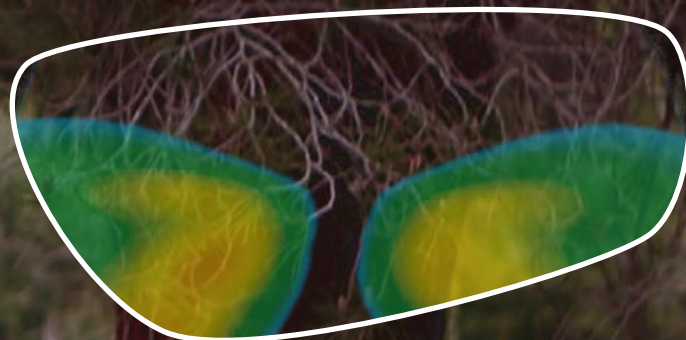


Sports frames normally require the widest possible distance vision and sharpness in peripheral vision. Both are guaranteed by the Opto+ technology which cleans the vision areas and improves binocular vision.

Sport Progressive.



CORRIDOR
7 mm
↓
13 mm
SOFT
Max
6 dtp
INSET
2 to 2.5



FAR VISION ● ● ●
NEAR VISION ● ● ○
INT. VISION ● ● ◐

Fantasy

Wide range of far vision to allow use during extreme activities, without losing sight of the nearby area when needed. Perfect for wrap frames.

Office.

The lens for your maximum comfort while at your desk.

Desk

Ideal solution for those who spend extended periods of time viewing objects in near and intermediate distances.

Customization range from 0,6 to 4 mt intermediate vision.

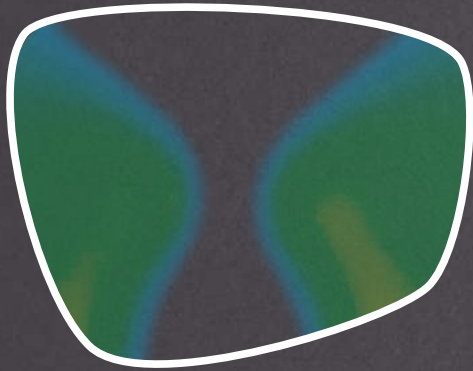


Desk Plus

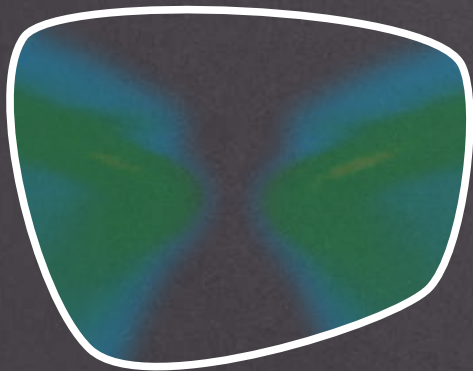
The ideal solution for prolonged computer use. Seamlessly integrating optimal intermediate vision with enhanced distance vision, this design features a slight degression in the far vision area, facilitating a smooth transition from intermediate to far vision during desk work.

Customization range from 0,6 to 4 mt intermediate vision.

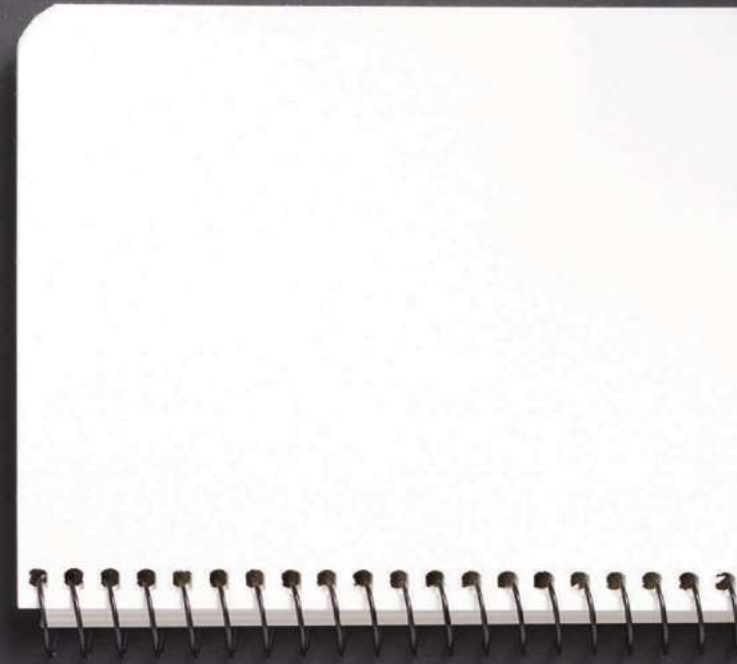




Desk



Desk Plus



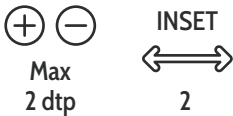


Young Anti-Fatigue.

“Single Vision/Progressive” design tailored for young individuals experiencing symptoms of visual fatigue.

Relax

The youth design is a groundbreaking answer for students, alleviating eye strain and fatigue. With 24-hour wear, it employs advanced technology to support and relax young eyes. This design mitigates the impact of screen time and study hours, facilitating smooth transitions between tasks without inducing strain. Whether engaged in reading, studying, or utilizing digital tools, the youth design ensures constant refreshment and revitalization, placing a premium on well-being through clarity and comfort.



Children Myopia.

Single vision design to control children myopia that combines effectiveness and portability.

MyoBaby



A composite image split vertically. The left side shows a child's hands planting a small cactus into a pink pot filled with white perlite. The background includes a wooden shelf with other potted plants and a spray bottle. The right side shows a young woman with blonde hair in a ponytail, wearing glasses and a green sweater, looking intently at a laptop screen. She is adjusting her glasses with both hands. The laptop is open on a desk, and some papers and a pen are visible in the bottom right corner.

MyoJunior

MyoTeen

MyoStop – The next generation single vision myopia control lens

Myopia tends to progress and worsen from young age through the teenage years and statistics shows an increased worsening in the past 20 years.

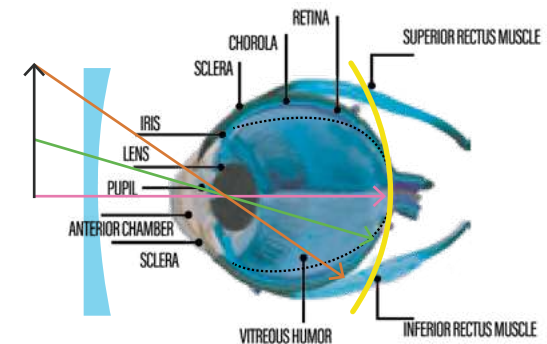
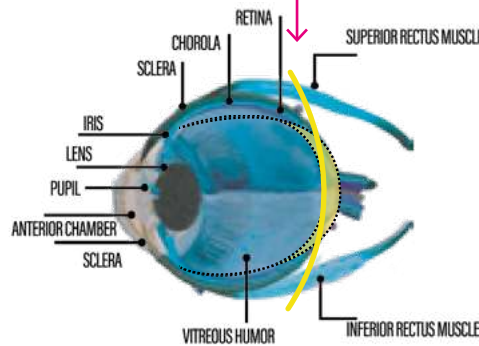
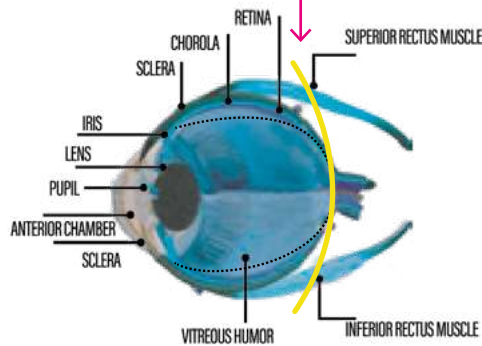
Genetics, the natural eye growth, and youth lifestyle changes, reduced outdoor activities and increased the digital device use, are the main causes of myopia.

Traditional myopia lenses with full correction may also contribute to myopia progression over time, because light correctly focuses on the retina but only in correspondence of the lens center.

Therefore, distant objects look clear only in the central vision zone, whereas images in the peripheral zones are still blurry.

The shape of the bulb will tend to adapt to the projected image, also causing the myopia to worsen over time.

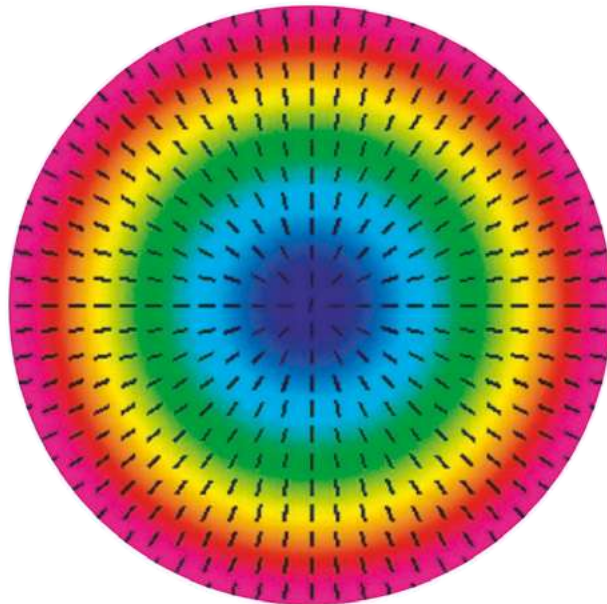
Distant objects look clear only in the central vision zone, whereas images in the peripheral zones are still blurry.



How it works: The MyoStop Revolution

Techniques upon which current myopia control rely too, were introduced years ago with the multifocal contact lenses. At the time, the main goal was to find a way to slow down myopia progression, especially on children and young people.

Opto+ developed MyoStop design, a next generation single vision freeform design with circular defocus limiting the worsening of myopia in young people.



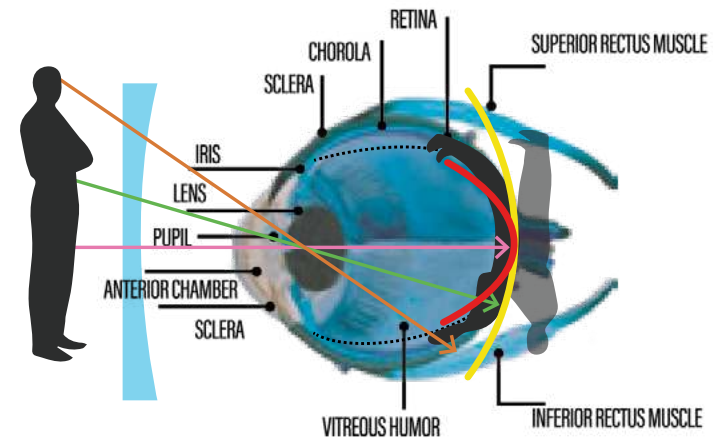
Power Map with axes directions

MyoStop – The Clever Lens

Effective myopia control in children: both the myopia deepening rate and the axial growth can be effectively reduced MyoStop has a fixed power central zone which diameter length is calculated from the real base value and the power value of the requested lens. Generally, diameter range from 9 to 12mm.

From the central zone to the lens border, MyoStop features a power degression ranging from 1 to 3 diopters, depending on the specific design used (MyoBaby, MyoJunior, MyoTeen, and the Frame Design variations “FD”).

Thanks to the ray tracing technique, MyoStop design has a circular defocus and from the design center to the design peripheral area, power decreases and cylinders slowly increase. Cylinder axes are always directed to the lens center (radial direction) for a better comfort on all eye rotations.



A clear vision with incredible details

The circular defocus changes the focus points' positions while moving away from the lens center to follow the eye retina curve as accurately as possible.

The result is a lens focusing the light on the retina in correspondence of every point of the lens without blurry images.

The traditional myopia lenses create a blurred image on the peripheral area



MyoStop ensures a clear vision on the whole lens area



Design Specifications

MyoStop lenses can be produced on every material, with any blanks and every indexes on the market and in every diameters. Customers can specify any individual parameters like wrap, panto and back vertex distance.

Sphere range from +1.00 to -20.00 and Cylinder max 6 Depending on the age of the wearer, MyoStop has 3 different design models and for each of them thickness is significantly improve thanks to the circular parabolic defocus.

Design Tips

- ➔ Opto+ suggests controlling young myopia progression every 6 months for 2 years.
- ➔ MyoStop construction is like a normal single vision lens made on a freeform generator.
- ➔ MyoStop surface is clear without porosity.



MyoTeen

With a total defocus of 1 diopters for teenagers. Compared to a traditional single vision myopia lens, MyoTeen is 10% thinnest.

MyoJunior

With a total defocus of 1.6 diopters for youngster. Compared to a traditional single vision myopia lens, MyoJunior is 18% thinnest.

MyoBaby

With a total defocus from 2.5 to 3 diopters. Compared to a traditional single vision myopia lens, MyoBaby is 25% thinnest.



The New Era of invisible bifocal lenses.

You can minimize the near vision area width to maximize the far vision area



or you can expand the near vision area width as you want

BiFocal
● The invisible lens

Generated on all Blanks

Polarized, photochromic and high index lens

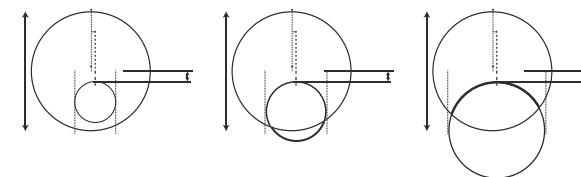


Free-form bifocal lenses aim to eliminate this visible line, providing a seamless transition between the different vision zones. This design not only enhances the aesthetics but also offers better visual comfort and clarity. One of the key features of the Opto+ Bifocal lenses is the ability to customize the near width of the lens according to the wearer's needs. Eyewear professionals can tailor the near width based on factors such as the individual's prescription, pupillary distance, reading habits, and other visual preferences. This

Now also for sporty people

customization allows for a more personalized and comfortable wearing experience. Opto+ free-form bifocal lenses can be optimized to maximize the near width for individuals who require a larger area for reading and close-up tasks. On the other hand, those who need a smaller near width can also have their lenses tailored accordingly. The minimum near area width (also known as "crescent") starts at 24mm diameter and the maximum width is set to use the same value of the lens diameter. Near area width personalization can

be done with 1mm step. Near area vertical position (also referred to as segment vertical position) is also customizable spanning from 4mm to 12mm.



BIFOCAL

Far Vision Width
Full

Near Vision Width
From 24mm to Lens diameter width

Addition
8.00 dpt

BSmart

Advanced Bifocal Lens with Transition Channel Technology

Concept and Optical Innovation

Traditional bifocal lenses present an abrupt optical discontinuity between the distance and near vision zones, often resulting in astigmatic jumps and wearer discomfort.

BSmart introduces an innovative **transition channel**, designed to create a neutral pathway between distance and near zones. This channel is not a corridor of progressive power, but a dedicated optical zone that ensures:

- Elimination of image jump.
- Smoother ocular transitions.
- Higher comfort and binocular balance.

Segment Geometry

The near vision segment has a fixed diameter of 28mm, providing a generous and stable reading area.

Distance Zone: Wide and distortion-free.

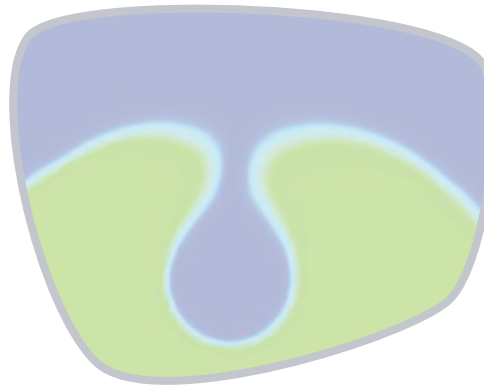
Segment (28mm): Optimized for near tasks, with sharp and stable optics.

Transition Channel: Smooth visual passage between far and near.

Optical Characteristics

BSmart offers unique optical advantages:

- No prism jumps during eye movement.
- Minimal astigmatic distortions compared to progressive lenses.
- Easy adaptation for both new and experienced bifocal wearers.



Manufacturing Advantages

The specific design of BSmart simplifies production while ensuring excellent quality:

- Simplified surfacing and polishing process.
- High reproducibility of results.
- Consistently optimal surface finish.

Comparison with Other Lens Types

Traditional Bifocals: High image jump, moderate adaptation, medium polishing complexity.

Progressive Lenses: No image jump, peripheral astigmatism, high polishing complexity.

BSmart: No image jump, minimal distortions, easy adaptation, fixed 28mm segment, simplified polishing.

Clinical and Practical Applications

BSmart is particularly suitable for:

- Patients requiring stable and distortion-free transitions.
- Wearers sensitive to progressive lens astigmatism.
- Laboratories seeking efficient production without compromising optical quality.

Summary

BSmart represents the next generation of bifocal lenses:

- 28mm near segment with precise optics.
- Smooth transition channel without jumps.
- Simplified polishing and high-quality finish.
- Comfortable, natural vision for all-day use.

BSmart - Scientific Precision, Everyday Comfort.

BSMART

Far Vision Width
Full

Near Vision Width
28mm

Addition
8.00 dpt



Opto+ Single Vision, the high precision lens.



Single Vision.

Organic - Free Form

Single Vision
Index 1.5

Ranges / Gamme

-14.00	-14.00	-14.00	-14.00	-14.00	-14.00
⤿	⤿	⤿	⤿	⤿	⤿
Ø 50	Ø 55	Ø 60	Ø 65	Ø 70	Ø 80
⤿	⤿	⤿	⤿	⤿	⤿
+14.00	+14.00	+14.00	+14.00	+14.00	+14.00

CYL UP TO
+8.00

Organic - Free Form

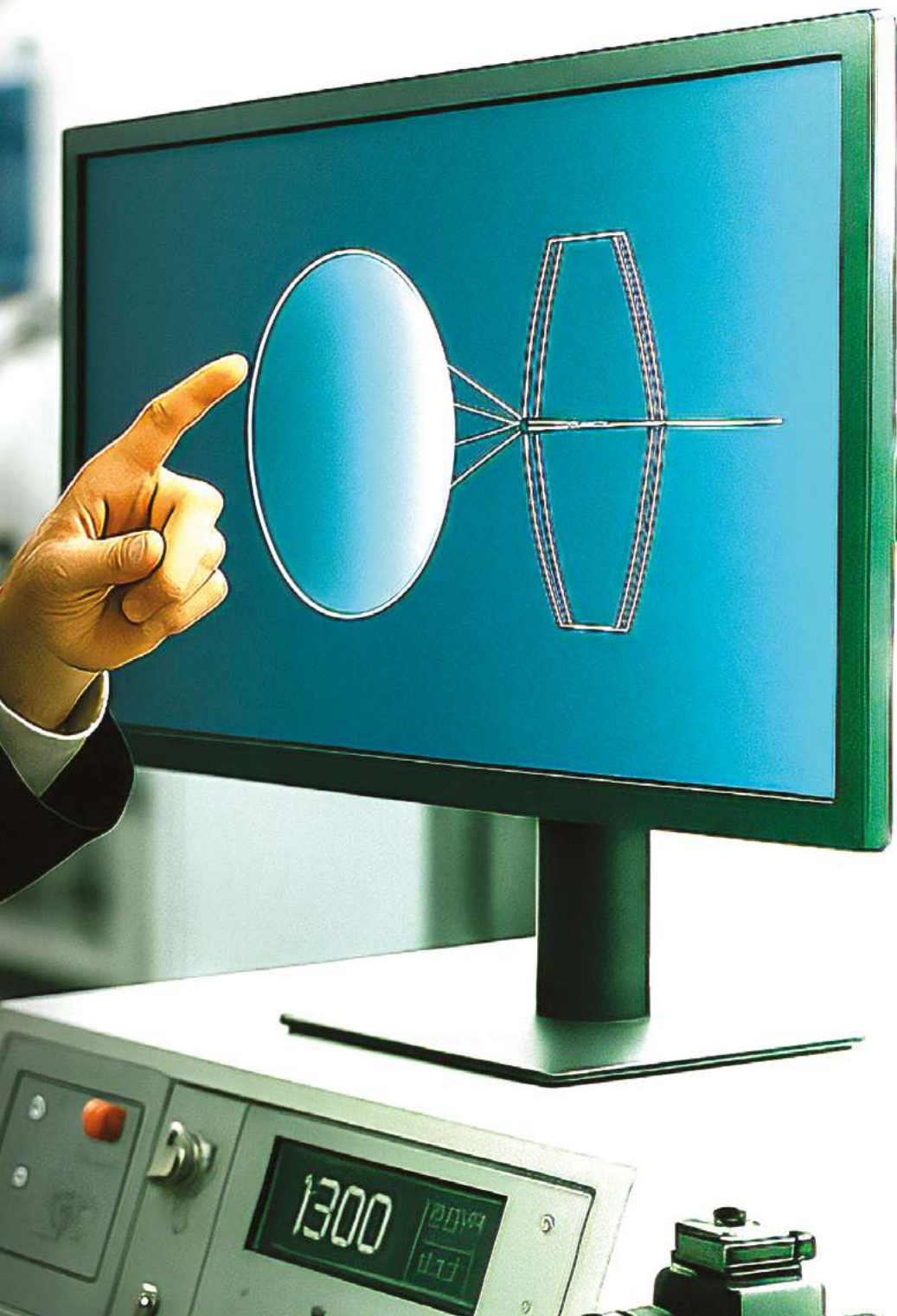
Single Vision
Index 1.53

Ranges / Gamme

-14.00	-14.00	-14.00	-14.00	-14.00	-14.00
⤿	⤿	⤿	⤿	⤿	⤿
Ø 50	Ø 55	Ø 60	Ø 65	Ø 70	Ø 80
⤿	⤿	⤿	⤿	⤿	⤿
+14.00	+14.00	+14.00	+14.00	+14.00	+14.00

CYL UP TO
+8.00





Drawing upon the creativity of our Italian roots, our company was founded in 2016 in the heart of Rome by three entrepreneurs: Alessandro Cacciatori, a seasoned IT expert; Emilio Mazzocco, a visionary optician; and Francesco Mazzocco, an expert in ophthalmic processes.

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