Paragon Optical

Laboratory®

"The Opticians Lab"™

REAL AREA AND A MARKS NUMBER OF STREET NULLI LUINE COULS PARTE RELEASED BREES COLOR ENDER BRANK RUNDA BARLA **PARAGON OPTICAL** "The Optician's Lab"™

Bringing Innovation & Vision To A Clearer Digital Future

Company Overview



A Tradition Of Craftmanship

Paragon Optical Laboratory is proud to be San Antonio's only independent optical laboratory. We are committed to aligning quality products, craftsmanship, efficiency and excellence to support your practice while providing a personal touch you can't find anywhere else.



State of the Art Technology

Staffed by experienced and highly trained professional technicians, our optical lens laboratory works directly with eye care professionals to deliver the latest advancements in lens technology, in-demand lenses, frames and coatings, as well as our private label products.



Paragon Your Partner

We provide optometrists, opticians, ophthalmologists and eye care practitioners with high-quality products and craftsmanship, coupled with personal, exceptional service and information so you can give your patients the very best product and service possible.





EXCELLENCE IN DESIGN PACKED FULL OF TECHNICAL ADVANCES

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Smooth Optics

Smooth Optics is a patented technology which introduces a new generation of sophisticated lens designs providing exacting standards of vision for the discerning progressive lens wearer. It is a radical approach which reverses the normal design process and has allowed the lens design to be created from the outset with a very smooth mean power profile.

- · Premium progressive lens design with superior comfort
- Sharp viewing in any direction
- Minimizes blurring or "swim effect" experienced with traditional progressive designs
- · Faster patient adaptation times and greater patient satisfaction







Digital EyeView

Ophthalmic lenses have oblique power errors which are present when viewing away from the optical centre of the lens. **Digital EyeView** technology uses specially developed software which incorporates the results of raytracing over the entire lens to correct for these errors. Standard values of back vertex distance and pantoscopic tilt are used in these complex calculations.

- More consistent optical performance over the range of prescription powers
- Wider viewing areas for hypermetropes (plus prescriptions)
- Improved distance area for myopes (minus prescriptions)
- Improved image quality in principal viewing areas

Without Digital EyeView

With Digital EyeView









Digital EyePower

Digital EyePower is an extension of the **Digital EyeView** principles, where an individual's back vertex distance, pantoscopic tilt and face bow are used to adjust the sphere, cylinder and axis of the prescription to give the best as worn condition possible. This involves using a complex model of how the eye looks through the lens.







Edge Blending

Edge Blending allows an improvement in the cosmetic appearance of higher powered minus lenses by flattening their outer edges and making them lighter and thinner.

- Central circular aperture unchanged
- Edge thickness benefit
- Variable aperture diameter
- Two levels of blending: Level 1 Moderate, Level 2 High



Further Features

- Use of circular or elliptical crib shapes to reduce lens thickness
- Automatic corridor selection on multi-corridor designs
- Use of variable decentration to reduce thickness
- Special curve control in reading area resulting in flatter lenses
- Allows blocked prism, surface prism or a combination of both
- · Controls minimum thickness for rimless frames
- Variable inset



Focus Elite HD - Overview



Focus Elite HD

The **Focus Elite HD** premium progressive design was created using our patented "**Smooth Optics**" design system. This radical approach reverses the normal design process and has allowed **Focus Elite HD** to be designed from the outset with a very smooth mean power profile, thus minimizing swim effects and providing excellent patient comfort and rapid adaptation. The design also sports excellent binocular balance.

EyeView Technology is integrated for wider fields of view and the corridor length is computer-selected with the patient's face fit measurements and frame specifications.







EYE

POWER

Design Features

Smooth Optics EyeView Technology Digital EyePower Soft design with low distortion Edge blending and variable decentration Rx Prism Corridor length - 10-20 mm Minimum fitting height 11 mm

Soft Designs

Soft Designs are more suited as a first progressive to those patients who are currently wearing Single Vision lenses. These designs have lower overall astigmatism.



Hard Designs

Hard Designs are more suited as a first progressive to those patients who are currently wearing Bifocal lenses. These designs will have wider fields of view.



Distance	Intermediate
Reading	Comfort



Focus Digital - Overview



Focus Digital

The **Focus Digital** design is designed to make use of **Digital EyeView** technology, which gives a more consistent optical performance regardless of the prescription power. **Focus Digital** is recommended for presobyopes looking for an upgrade to their first progressive.

The design comes in corridor lengths from 12 mm to 20 mm and is equipped with automatic corridor selection which ensures the best lens is chosen for a particular patient's fitting details and frame choice.







EYE VIEW

Design Features

EyeView Technology

Soft design with low distortion Edge blending and variable decentration Rx Prism Corridor length - 12-20 mm Minimum fitting height 13 mm

Soft Designs

Soft Designs are more suited as a first progressive to those patients who are currently wearing Single Vision lenses. These designs have lower overall astigmatism.



Hard Designs

Hard Designs are more suited as a first progressive to those patients who are currently wearing Bifocal lenses. These designs will have wider fields of view.



Distance	Intermediate
Reading	Comfort



Focus Clear - Overview



Focus Clear

The **Focus Clear** design is an excellent all purpose progressive design and comes in corridor lengths ranging from 13 mm to 18 mm with a minimum height of 14 mm. It is available in two variants, **Focus Clear Soft** and **Focus Clear Hard**.

Our most popular design, the **Focus Clear** is our entry level progressive freeform which provides the wearer with strong vision across all applications; distance, intermediate, reading and is a comfortable optical solution.





Soft design with low distortion Edge blending and variable decentration Rx Prism Corridor length - 13-18 mm Minimum fitting height 14 mm

Soft Designs

Soft Designs are more suited as a first progressive to those patients who are currently wearing Single Vision lenses. These designs have lower overall astigmatism.



Hard Designs

Hard Designs are more suited as a first progressive to those patients who are currently wearing Bifocal lenses. These designs will have wider fields of view.



Distance	Intermediate
Reading	Comfort



Office Range - Overview



Focus Office

The **Focus Office** Range is a lens designed primarily for use in office environments. It is not a traditional progressive design, but rather is an alternative to a reading lens, providing clear vision for reading and intermediate viewing. The wide range of degression allows the ideal choice to be made for all reading additions up to 3.00D and also allows the user to benefit from fully corrected reading, intermediate vision and maximised distance vision. The design reduces eye and neck strain associated with long term use of computers. Also suitable for vocations such as carpenters, tailors, artists and musicians.





Office Range - Technical Information

Focus Office Design

14mm corridor length, degression = prescribed addition - 0.50D



Distance	Intermediate
Reading	Comfort

Focus Desk Design

14mm corridor length, degression = prescribed addition x 50%



Focus Office, Desk Or Professional

Focus Office is a great lens to wear while working at a task requiring near or intermediate vision. The benefits over a fully corrected progressive lens is wider fields of view and more comfortable posture as the reading area is much more accessible. It compromises some of the full distance vision of a normal progressive lens, but still allows the user to see up to 2.0 m.

Focus Desk takes the compromise one step further. It offers even wider fields of view, is even easier to access the reading area, but full distance vision has been shortened.

Focus Professional allows the free choice of degression, so the choice of balance between excellent near vision and full distance vision is left open.

Focus Driver



Focus Driver

The **Focus Driver** is a progressive design that includes a wide distance area for comfortable viewing across the windshield to side mirrors. The intermediate area is perfect for reading dashboard gauges and the reading zone is ample for steering wheel controls or maps and directions at arm's length.

Design Features

Soft design with low distortion Edge blending and variable decentration Rx Prism Corridor length - 20 mm Minimum fitting height 21 mm

Mean



Distance	Intermediate	Reading	Comfort



Focus Relax S



Crossbows Focus Relax

The **Focus Relax S** design is a progressive design for people who are not presbyopic. It avoids the patient's eyes becoming tired and strained if they spend a large portion of the day focusing at the same distance, e.g. using a computer. It is available in two forms; **Focus Relax S** I has an addition of 0.66D, **Focus Relax S** II has an addition of 1.00D.

Design Features

Soft design with low distortion Edge blending and variable decentration Rx Prism Corridor length - 14 mm Minimum fitting height 15 mm







Focus Sport

VIEW

EYE

POWER



Focus Sport

The **Focus Sport** design is a progressive design for people who regularly require a progressive lens in an active and dynamic environment. A full and generous distance area is a specific requirement whether you are playing golf, tennis, hill walking etc. This design also benefits from **Digital EyeView** and **Digital EyePower** and can be placed in a sports-style wrap frame.

Design Features

EyeView Technology Digital EyePower Soft design with low distortion Edge blending and variable decentration Rx Prism Flatter lens curves Corridor length - 17 mm Minimum fitting height 18 mm

Mean



PARAGON OPTICAL





Focus Junior



Focus Junior

The **Focus Junior** progressive is designed specifically to help reduce the onset of myopia in young people between the ages of 8 and 16 years. The design offers a large stable reading area combined with excellent peripheral clarity in the distance zone.

Design Features

Soft design with low distortion Edge blending and variable decentration Rx Prism Flatter lens curves Corridor length - 14 mm Minimum fitting height 15 mm





Distance	Intermediate	Reading	Comfort
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Focus Blended Bifocal



Focus Blended Bifocal

This **Focus Blended Bifocal** design is applied to the back surface of semi-finished single vision lens eliminating the tell-tale ledge found on cast bifocals. The inset values can be included in the prescription or the software can select the best value for optimal optical performance.

The Focus Blended Bifocal allows a choice of segment diameter, segment position and blended region width.

Design Features

Edge blending and variable decentration Rx Prism

Variable insert

Distance	Intermediate	Reading	Comfort







Focus Bigressive



Focus Bigressive

Many presbyopes still choose bifocal lenses for their impressively wide fields of view, but bifocals have inherent disadvantages in the transition from distance to near vision. In addition to an image jump, there is either a blended zone (in the freeform bifocal) or a line separating the two areas (in the traditional bifocal). The **Focus Bigressive** uses advanced progressive lens technology to create a patented* hybrid design. There is a smooth transition from distance to near, as in a progressive, but with the wide fields of view of a bifocal, without any unsightly line. The reading segment is positioned to allow a seamless transition from distance to near vision without any image jump. The transition is then spread across the periphery of the lens in one of two ways: in the Hard design, there is a small transition area for maximum viewing zones; in the Soft design, there is a larger transition area for maximum viewing comfort. These designs are very well suited to the emerging presbyope. * US Patent 8,931,898 B2 (Michael Walach, Andrzej Fijałkowski)

Design Features

Edge blending and variable decentration Rx Prism

Variable insert



Hard			
Distance	Intermediate	Reading	Comfort
Soft			
Distance	Intermediate	Reading	Comfort



Focus Single Vision







Focus Single Vision

Focus Single Vision Lenses, using **Digital EyeView** technology to reduce peripheral distortion caused by unwanted astigmatism associated with conventional single vision lenses.

Digital EyePower makes this design ideal for sports and fashion wrap frames.

Design Features

EyeView Technology Digital EyePower Edge blending and variable decentration Rx Prism

Distance	Intermediate	Reading	Comfort





A Range To Suit Everyone

Design	Distance	Intermediate	Reading	Comfort
Focus Elite HD Soft				
Focus Elite HD Hard				
Focus Digital Soft				
Focus Digital Hard				
Focus Clear Soft				
Focus Clear Hard				
Focus Office				
Focus Desk				
Focus Driver				
Focus Relax S				
Focus Sport				
Focus Junior				
Bigressive Soft				
Bigressive Hard				
Blended Bifocal				
Single Vision				



Giving You Clearer Vision

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