



Portfolio Freeform SIUU



Your optical laboratory deserves an exclusive brand with supreme quality. Discover our “clicks” (freeform lenses) from the SIOU family and be surprised by technology.

The SIOU-FreeForm System has available:
FreeForm Progressive Lenses use RayTracing, Finite Element, Asphericity and Surface Smoothing technology.

The lenses are calculated individually, taking into account the characteristics of the customer and the frame, such as naso-pupillary distance, vertex distance, pantoscopic angle, rim curvature, creating a personalized lens.

There are different designs of FreeForm progressive lenses, depending on their use, which can be optimized for distance, intermediate or near.

Free Form SIOU, the first FreeForm lens software in Brazil.





SIOU I.A TECH is not just a lens; it is an extension of your world. With an innovative and elegant design, these lenses adapt perfectly to your lifestyle.

In today's fast-paced world, technology is constantly evolving, and with SIOU I.A TECH, your vision evolves with it. Introducing the most advanced eyeglass lenses on the market, integrating the power of artificial intelligence to deliver an unprecedented visual experience.

Aspherical lenses;
 Markings of the user's initials;
 Progressive displacement (decentration);
 Variable corridor.

	Rating
Far	★★★★★★★★
Intermediate	★★★★★★★★
Near	★★★★★★★★
Comfort	★★★★★★★★
Adaptation	★★★★★★★★

Available in all materials.
 Available heights: 14 | 16 | 18 | 20
 Addition: de 0.50 a 5.00





PRE

SIU

Smile Full

All the technology you already know,
now with ID Technology.

Now with Ray Tracing, ID technology and innovative Work Perception technologies. You can enjoy the highest discoveries in lenses. With the combinations that only this innovative design can provide, you will have everything you have always looked for in progressive lenses.

- Aspherical lenses;
- Markings of the user's initials;
- Progressive displacement (decentration);
- Variable corridor.



	Rating
Far	★★★★★★★★
Intermediate	★★★★★★★
Near	★★★★★★★★
Comfort	★★★★★★★★
Adaptation	★★★★★★★★

Available in all materials.
Available heights: 14 | 16 | 18 | 20
Addition: de 0.50 a 5.00



You who always sought freedom,
Now you have complete freedom in any direction.

This way we can provide a much more balanced and transparent vision, making the fluctuation effect almost zero. In this new concept, it doesn't matter if you are a new user of progressive lenses or a long-time user, your experience will be unique!

- Aspherical lenses;
- Markings of the user's initials;
- Progressive displacement (decentration);
- Variable corridor.

	Rating
Far	★★★★★☆☆
Intermediate	★★★★☆☆☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

Available in all materials.
Available heights: 14 | 16 | 18 | 20
Addition: de 0.50 a 5.00



ADV



ADV



Innovative design, specially developed for intermediate and close range.

Developed and composed with Ray Tracing technology, this design can provide the presbyopic user with an excellent visual experience whatever their activity or greatest need, far, intermediate or close.

Aspherical lenses;
Markings of the user's initials;
Variable corridor.

	Rating
Far	★★★★★☆☆
Intermediate	★★★★★☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

Available in all materials.
Available heights: 14 | 16 | 18 | 20
Addition: de 0.50 a 4.00



Much more comfort,
with minimal fluctuation in the peripheral part.

Fully developed design to optimize the long and intermediate field and close, leaving a lateral area free of astigmatism. A lens made for those who lead an active life and work outdoors.

- Aspherical lenses;
- Markings of the user's initials;
- Progressive displacement (decentration);
- Variable corridor.

	Rating
Far	★★★★★☆☆
Intermediate	★★★★☆☆☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

Available in all materials.
Available heights: 14 | 16 | 18 | 20 | 22
Addition: de 0.50 a 4.00





TOP



Exceptional comfort,
with minimal fluctuation in the peripheral part.

Design developed to optimize the distance and intermediate field, leaving a lateral area free of astigmatism. A lens made for those who lead an active life and work indoors or outdoors.

Aspherical lenses;
Markings of the user's initials;
Variable corridor.



Available in all materials.
Available heights: 14 | 16 | 18 | 20 | 22
Addition: de 0.50 a 4.00

	Rating
Far	★★★★★☆☆
Intermediate	★★★☆☆☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆



A balanced lens,
with minimal marginal astigmatism.

Its biggest feature is having a great intermediate and close field,
which gives young progressive users ample comfort when using their smartphones
and tablets. Differentiated intermediate field.

Aspherical lenses;
Markings of the user's initials;
Progressive displacement (decentration).

	Rating
Far	★★★★★☆☆☆☆
Intermediate	★★★★☆☆☆☆☆
Near	★★★★★☆☆☆☆
Comfort	★★★★★☆☆☆☆
Adaptation	★★★★★☆☆☆☆

Available in all materials.
Available heights: 16 | 18
Addition: de 0.50 a 4.00



TOP





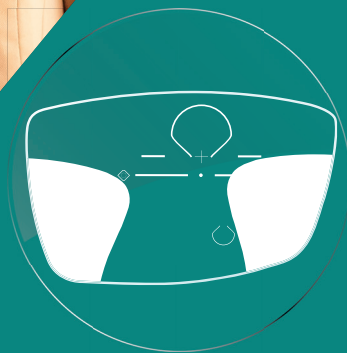
TOP



Design suitable for beginner users,
for its softness and easy adaptation.

A design specially designed for easy and secure adaptation
well-defined and wide fields of vision.

Aspherical lenses;
Markings of the user's initials;
Progressive displacement (decentration);
Variable corridor.



	Rating
Far	★★★★★☆☆
Intermediate	★★★★☆☆☆☆
Near	★★★★☆☆☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

Available in all materials.
Available heights: 16 | 18 | 20 | 22
Addition: de 0.50 a 4.00



Progressive design balanced with excellent performance in all distances.

The power distribution was designed to have a balanced design, with good performance in all views. The astigmatism is well distributed in order to provide comfort for the user in both distance, intermediate and near vision.

- Aspherical lenses;
- Markings of the user's initials;
- Progressive displacement (decentration);
- Variable corridor.

	Rating
Far	★★★★★☆☆☆☆
Intermediate	★★★★☆☆☆☆☆☆
Near	★★★★★☆☆☆☆
Comfort	★★★★★☆☆☆☆
Adaptation	★★★★★☆☆☆☆

Available in all materials.
 Available heights: 14 | 16 | 18 | 20
 Addition: de 0.50 a 4.00



TOP





BAS



Various distances and many points
always in focus.

SPARTA PLUS progressive lenses are lenses that have well-defined distance, intermediate and near distance. Allow good results in your activities and have good visual acuity.

Aspherical lenses;
Markings of the user's initials;
Progressive displacement (decentration);
Variable corridor.

	Rating
Far	★☆☆☆☆
Intermediate	★★★★★
Near	★★★★★
Comfort	★★★★★
Adaptation	★★★★★

Available in all materials.
Available heights: 14 | 16 | 18 | 20 | 22
Addition: de 0.50 a 4.00



Made for working users
in environments that need short distance.

Lens designed with a balanced design,
in the intermediate field, maximum comfort for users who
require close and mid-distance focus.

Aspherical lenses;
Markings of the user's initials;
Range of 1,3m | 2m | 4m

	Rating
Far	★☆☆☆☆☆☆
Intermediate	★★★★★☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

Available in all materials.

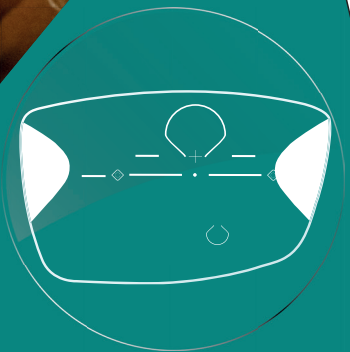


TOP





TOP



SIU

Relax Eye

A lens designed to help relaxing your eyes.

The design was designed to alleviate eye strain. In the progression there is a slight addition, providing the Relax Eye user with a natural adaptation and generating great comfort for their eyes.

- Aspherical lenses;
- Markings of the user's initials;
- More rested eyes
- Close accommodation with 0.50 power

	Rating
Far	★★★★★☆☆
Intermediate	★★★★★☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

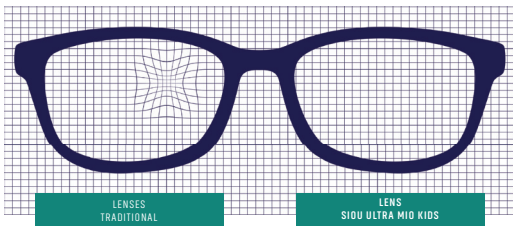
Available in all materials.
Minimum height: 14

SIU

Ultra MioKids

Single Vision lens that controls the progression of myopia.

Engineered design that controls peripheral blurring of vision, reduces the progression of the child's eye stretching and the progression of myopia. Future prevention from your little one's perspective.



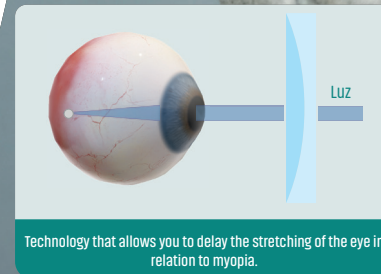
They are thinner and more aesthetically appealing compared to traditional lenses. Furthermore, they do not have visible spots or marks on the surface, which helps to avoid any type of school bullying related to the appearance of the glasses. In this way, children can feel safer and more confident in their school environment, promoting an inclusive and respectful environment, which also contributes to increasing self-esteem and emotional well-being.

	Rating
Far	★★★★★☆☆
Intermediate	★★★★★☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

Lentes esféricas;
Correção da Miopia;
Adaptação às lentes em menos de 10 dias;
Desacelera a progressão da miopia em até 70%.

Available in all materials.
22 mm no raio de transição na Zona de desfoque.
12mm diameter zone

ADV



It combines refractive vision correction with peripheral blur. This allows children to not only see clearly, but also focus on peripheral images slightly in front of the retina, encouraging the eye to adapt and shorten to receive the images. This process can slow the growth in axial length of the eyeball and the progression of myopia.

Technology that allows you to delay the stretching of the eye in relation to myopia.



SVU

Single Vision All

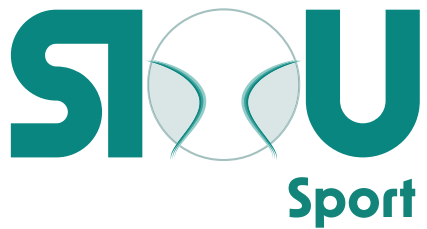
Lenses for everyone.
All using the same technology!

Single vision lenses have aspherical geometry on the inner surface of the lens. Technology that provides great aesthetic results, optimizing the thickness of the lens, leaving them thin and light.

Aspherical lenses;
User initial markings.

	Rating
Comfort	★★★★★★
Adaptation	★★★★★★

Available in all materials.



Made for a lifestyle in environments outdoors, especially sports.

Design developed to have better optical quality in the distance and intermediate fields, specific visual needs of those who play sports.

Aspherical lenses;
 Markings of the user's initials;
 High curvatures;
 Bases 6.00, 700 and 8.00.

	Rating
Far	★★★★★★★★
Intermediate	★★★★★☆☆☆
Near	★★★☆☆☆☆☆
Comfort	★★★★★★★★
Adaptation	★★★★★★★★☆

Available in all materials.
 Available height: 20
 Addition: de 0.50 a 5.00



TOP

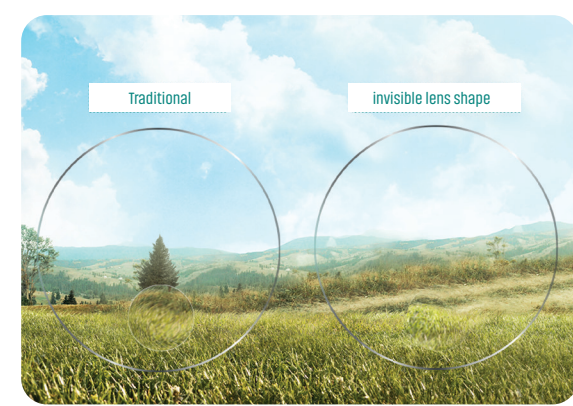


BAS



**Aspherical Bifocal Lenses
with reading segment (lens shape) practically invisible.**

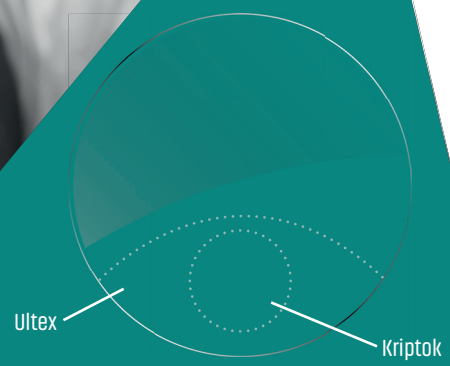
They are Ultex and Kriptok Freeform aspheric bifocal lenses, which have a practically invisible lens shape, favoring the aesthetics of their lenses.



Aspherical lenses;
Almost imperceptible lens shape.

	Rating
Far	★★★★★☆☆
Intermediate	☆☆☆☆☆☆☆☆
Near	★★★★★☆☆
Comfort	★★★★★☆☆
Adaptation	★★★★★☆☆

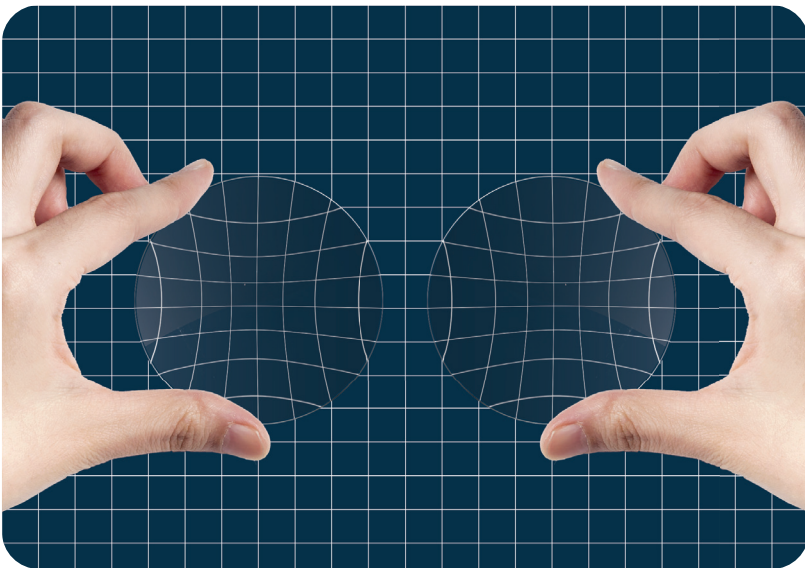
Available in all materials. Addition:
de 0.50 a 5.00



Aspherical Lenses

More comfort and less visual distortions.

Although aspherical lenses have curved surfaces, they are not the same as a spherical (traditional) lens. This difference in shape makes an aspherical lens more precise and with fewer visual aberrations than a spherical lens.



Increased field of vision;
Sharper lenses;
Reduction in lens thickness.

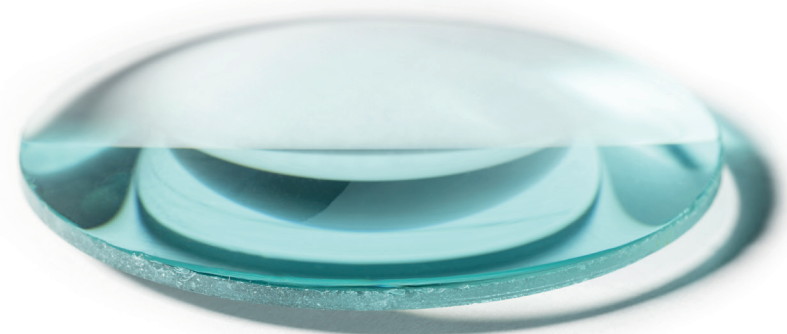




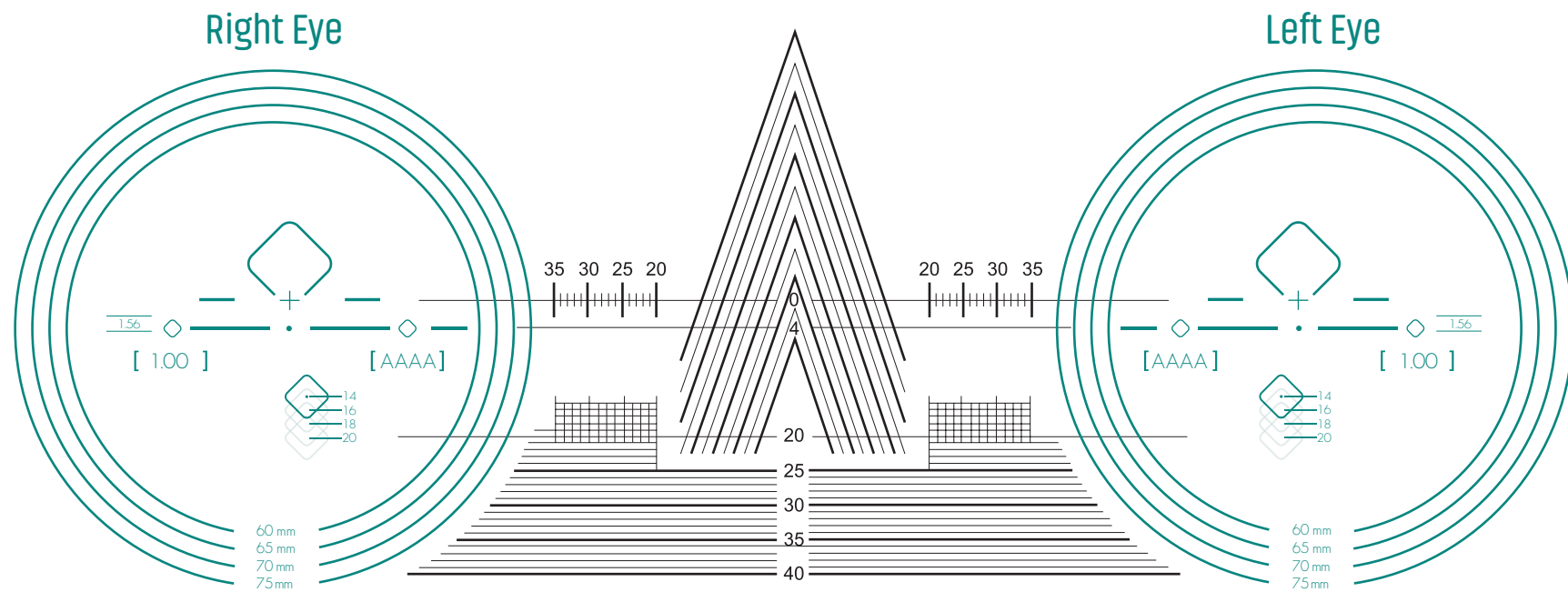
Freeform Lenticular

Process that minimizes the thickness and weight of the lenses by changing its curvature.

These are special lenses, as they are designed to correct high-power ametropia. Lenticular lenses have a support area, in which the size can be guided by the rim or the diameter of the lens. Thus significantly thin edge thicknesses can be achieved.



Markings and templates - SIOU Lenses



LENS ENGRAVER 4

Created by SIOU

Laser CO₂

Your most personalized lenses with exclusive engravings.

SIOU brings laser engraving machine for lenses to the optical market ophthalmic devices, the LENS ENGRAVER. It can mark internal and external surfaces. Available in two versions: automatic and manual.

Technical specifications

Output power	220V/6A
Number of phases	Single-phase
Frequency	50/60 Hz
Laser wavelength	10,64mn
Materials	All (except crystal)
Laser	CO₂
Lifespan	45.000 hours
Refrigeration	Air cooled
Min/max temperature	10°C/40°C
Communication	VCA/OMA
Compressed air	4 bar (58 psi)
Industrial PC	B&R
Tweezers	1

Weights and Measures

Laser CO ₂	200kg
Width	500mm
Height	1.200mm
Depth	1.150mm

Automation

Width	1.200mm
Height	1.630mm
Length	2.100mm
Compressed air	6 bar (87 PSI) 75 l/min

Benefits

- Low maintenance;
- High reliability;
- High engraver quality;
- No consumables required;
- Fully programmable software;
- Development of your own design;
- Manual model compatible with automation;
- Compatible with AutoCAD, .dxf and .dwg files;
- Precision marking on your ophthalmic lenses;
- Lenses with fully personalized markings;
- Power adjustment according to the material (refractive index).

LENS ENGRAVER incorporates the production and editing module layout. The system has configurable interfaces in the VCA/OMA standard, TCP/IP or LMS type file.

LENS ENGRAVER ^{At-At} 5 UV

Created by SIOU

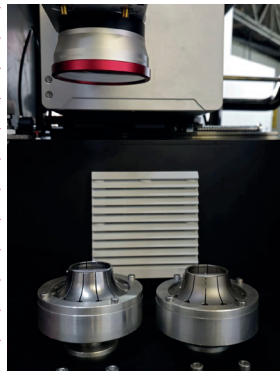
Laser AT-AT UV v.2

Highest recording precision through UV technology.

State-of-the-art ophthalmic lens laser engraving machine,
The LENS ENGRAVER AT-AT UV has a more enhanced engraving with micro dots, geometric shapes and complex logos.

Technical specifications

Output power	220V/10A
Number of phases	Single-phase
Frequency	50/60 Hz
Laser wavelength	355nm
Materials	All
Laser	UV
Lifespan	100.000 hours
Refrigeration	Distilled water
Min/max temperature	15°C/25°C
Communication	VCA/OMA
Compressed air	4 bar (58 psi)
Industrial PC	B&R
Tweezers	2



2 pinças

Benefits

- Low maintenance;
- Better point resolution;
- 11 times higher than Lens Engraver CO2
- High reliability;
- High recording quality;
- No consumables required;
- Double the speed compared to Lens Engraver CO2
- Fully programmable software;
- Development of your own design;
- Manual model compatible with automation;
- Compatible with AutoCAD, .dxf and .dwg files;
- Precision marking on your ophthalmic lenses;
- Lenses with fully personalized markings;
- Power adjustment according to the material (refractive index).

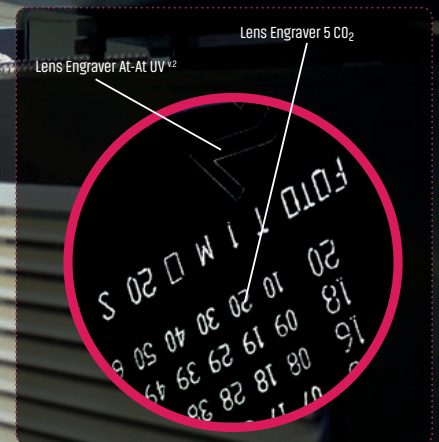
Weights and Measures

Laser Att UV	230kg
Width	500mm
Chiller	30kg
Height	1.200mm
Depth	1.150mm

Automação


Width	1.200mm
Height	1.630mm
Length	2.100mm
Compressed air	6 bar (87 PSI) 75 l/min

LENS ENGRAVER incorporates the production and editing module layout. The system has configurable interfaces in the VCA/OMA standard, TCP/IP or LMS type file.






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