WWW.LENCHENGOPTICAL.COM

JIANGSU LECHENG OPTICAL GLASSES CO.,LTD.
78 Bei Er Huan Road SiTu Danyang
Jiangsu Provinde China
TEL:86-511-86819655 ext 8008 FAX:86-511-86838009
Cell:0086-18052779099
E-MAIL:INFO@LECHENGOPTICAL.COM
LENCHENGOPTICAL@HOTMAIL.COM

乐诚光学

LECHENG

...BEYOND IMAGINATION

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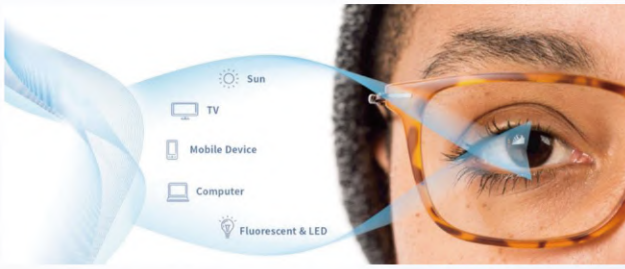


General Conditions

(1)Hard resin lenses conformed to the following standards ISO9001 and QB/T2506-2017. Quality control system of the Seller has been approved according to IS09002(2000) &FDA . The Seller is giving 1 -year limited warranty.

(2) All prices offered in this Purchase Direction are in US Dollars per pair(2pieces). Discount is applicable for big quantity order.

(3) Goods are of China origin. All prices can be regarded on CFR(C&F)Overseas Main Port basis by sea. To effect shipment by air, the Seller will either deliver goods on FOB Shanghai, China basis, or they can effect shipment on CFR(C&F), or EXW basis provided they will charge air freight and insurance cost separately. If transaction to be made on CIF or CIP basis, insurance will be arranged by the Seller for 110% of invoice value covering all risks, provided no more requirements about it form the Buyer.

(4) Min.quantity of each shipment of ophthalmic lenses is 1,000pairs(2,000 pieces),but the Buyer can include various products.

(5)Goods can be packed in the Seller' s general envelopes which show in this Purchase Direction without mentioning the Seller's information. Provided the quantity of each shipment not less than 5,000pairs,the Seller can pack goods with the Buyer's appointed envelopes free of charge(one free design for every 5,000 pairs).The Buyer will be welcomed to send its envelope designs to the Seller through CD or e-mail and the Seller will make necessary art work to improve or complete the designs free of charge. For more details about packing, please refer Appendix2-How to pack the Lenses.

(6)Usually Commercial Invoices, Packing Lists, Packing Details Lists and Bill of Loading (or Air Waybill) will be submitted the Seller under each shipment. Insurance Policy or Insurance Certificate will be submitted when the transition is made on CIF or CIP basis. The following Certificate of Origin can be also submitted by the Buyer's option.

• Certificate of Origin approved by CCPIT-China Council for the Promotion of International Trade (China Chamber of International Commerce)

• Certificate of Origin (GSP Form-A) approved by Entry-Exit Inspection and Quarantine Bureau of P.R.China

If any other documents also required, the Buyer need to inform the Seller while confirming their order. Provided without any other notice, relevant documents will be issued in name of the Buyer's company.

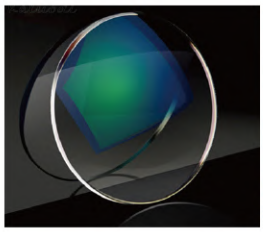
(7) The following payment terms can be accepted the Seller.

• By irrevocable L/C at sight, provided the covering L/C reaches the Seller on time and remains valid for negotiation in China until the 21st day after shipment.

• About 30% by T/T while confirming the order, balance payment to be completed by T/T before shipment.

(8) The Seller is keeping the right to improver or replaces prices, technical data and conditions without prior notice.

Why Choose Us



Who Are We

As a professional and experienced manufactory and exporter in optical lens industry OPTIMAL VISION has been devoted to supplying a wide range of innovative and superior lenses for china market and international market more than 30 years . company produce lens as standard FDA CE ISO.

Complete Lens Products

Our lens products involve almost all types of lenses, from the most classic single vision index 1.499~1.74, finished & semi-finished, bifocal and multi-focal, to the modern and functional lenses, Also, we have RX Lab for conventional and freeform lenses, We constantly refresh our products with top of the line lenses, which you will find in our individualized brochures.

Professional & Considerate Service

Every customer here can get very considerate service by well trained salesmen and assistants, Each year, we set up professional sizable stand at optical fairs in Shanghai,Beijing, Vision Expo East, Mido, Vision Expo West, Silmo, Hong Kong, etc.

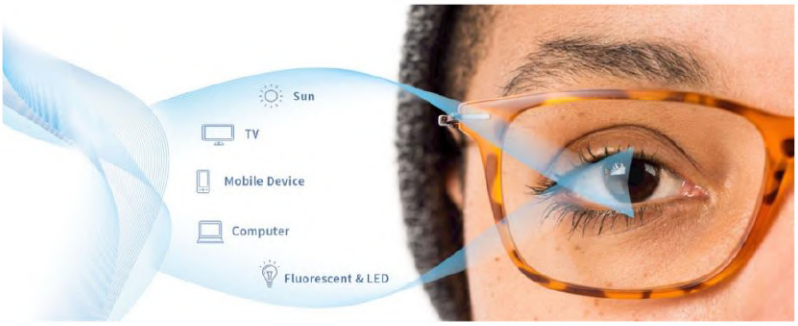
Win-win Goal

Our commitment in long-term business partnership and high quality products will enhance every customer stability and profitability, today and in future.

CONTENT

Bluecut Lens UV420

EFFECTS OF BLUE LIGHT & IT'S PROTECTION

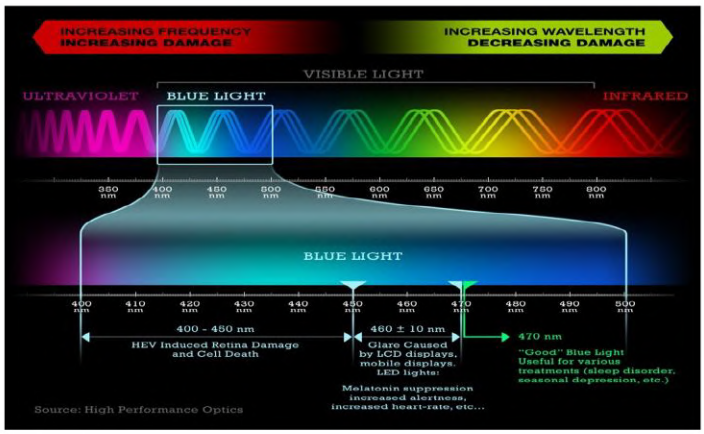


INTRODUCTION:

If we look at today's hectic schedules where we are spending such technological life, how would you experience if something that provides you with relief, for example, Eye-strain relief goes wrong, trapping you in the middle of the problem? In a recent study done in the USA, it was noticed that an average American could not even spend his/her day without using their cell phone. You definitely will be looking for the best type of eyeglasses, which can provide you ultimate vision with comfort, so you can continue doing your normal daily activities.

In this article, we are going to discuss the latest technology by the experts, which will definitely assist those who are fed-up from the harmful Blue Light emitted from the monitor screens.

WHAT IS A BLUE LIGHT?



Blue light is, in fact, the harmful rays that emit especially from the digital screens such as a computer, Laptops, tablets and game stations that children usually play. It's a portion of the noticeable spectrum, and this light is found in almost

Bluecut Lens UV420

every digital screen. The extreme exposure to blue light from backlit screens and synthetic lighting can be extremely harmful to our eyes. By the help of some great experts and a vast research, there are companies such as **Goggles4u providing you Blue-Cut Lenses** that will offer you extra soothe and protection against unsafe rays.

LIVING IN THE DIGITAL ERA.

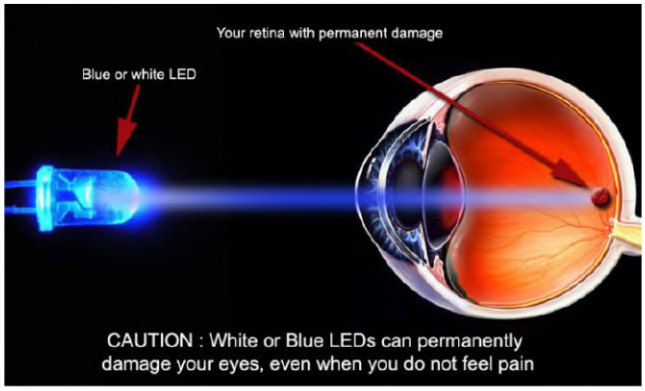
In spite of having almost all the comforts that we are obtaining by living in such a modern and effortless time where everything is easily attainable by a simple click from your mouse; we spend hours on the digital devices such as computers, watching TV, or using smartphones and Tablets. We positively tend to get the harmful effects of the Blue light emitted highly from these devices.

We're involved in such daily digital activities, and if such things continue so, we will definitely need some ways to at least protect our vision by using best quality prescription eyeglasses. So, it's wonderful to remain proactive and shielding your eyes from the possible damage to digital screens and blue light.

BLUE LIGHT EXPOSURE MAY ESCALATE THE RISK OF MACULAR DEGENERATION.

Blue light is about everywhere as sunlight is the leading source of it. So when we are outside during the day for our normal job, chances are high that to getting Blue light, and is very important to protect our vision from its exposure. Not just the sunlight, inside our home and other places, men has created sources of blue light that include LED lighting and televisions screens on which we spend hours every day and the risk of the exposure becomes higher.

Bluecut Lens UV420



The blue light actually enters to the retina of the eye. Studies have shown that higher amount of such exposure to blue light could become the reason of damaging light-sensitive cells present in our eyes. This is the reason that most people are highly involved in eye-related issues such as macular degeneration, which can result eventually in permanent vision loss.

KIDS AND DIGITAL SCREENS.

Nowadays, kids are almost growing around highly harmful emitting rays by digital devices, and our kids are extremely using such devices from the very young age. This becomes the root to develop many dangerous diseases and even creates the risk for long-term vision problems.

While in adult people eyes, which comprise pigments offering them some shield against harmful rays; kids on the other side are at high risk of developing diseases, and is very vital to defend from hazardous blue light. By using the latest Blue Cut Prescription Eyeglasses available for men, women, and children, you can also reduce the chances significantly to mounting such problematic conditions.

WAYS TO PROTECT EYES FROM BLUE-LIGHT.

As living in the 21st century means too much of digital usage, which impacts vastly to our vision; we need to take every possible measure to reduce the chances of getting Blue Light by taking these easy steps.

Bluecut Lens UV420

1. REDUCE BRIGHTNESS

Correct the brightness of monitor screens by glancing the device's control setting. A brightness in the range of 40 to 60 percent is considered best as it does not reflect high density to your eyes, which are harmful in a long run.

2. ADJUST YOUR SCREEN

Whether using your personal computer or watching any large LED screen at home, adjusting the correct angle is very essential. The preferred and recommended adjustment is considered as directly facing your face and a little below the eye level. When it comes to the smartphone, keep some distance from the eyes and as mentioned, adjust your eye level.

3. LIMIT THE TIME SPENT IN SCREENS

It is best to limit the amount of time consumed on the digital devices. It has been observed that people who just spend two hours daily looking at a digital screen are likely to go through eyestrain and vision weakness.

4. THE 20-20-20 BREAK!

To maintain the best vision, it is suggested that in every 20 minutes, take a short 20-second break, and look at the objects at least 20 feet away from you. This delivers a great comfort and you don't feel the strain in your eyes.

5. WEARING COMPUTER BLUE CUT EYEGLASSES

The **latest Blue-cut prescription eyeglasses** assist in almost diminishing the Blue rays from the digital devices, offering great relaxation to the eyes. Always make sure to wear only best quality glasses that some of the best companies such as Goggles4u is offering at the best prices.

Eyeglasses for men and women has always remained a great element since beginning, and the latest Blue-cut technology in the prescription eyeglasses has made it extremely wonderful to remain much secured from such harmful light. So, take care of your eyes as the world is simply a dark place without these precious belongings.

Bluecut Lens UV420

Bluecut Lens UV420

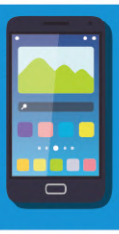
Viviendo en la Era Digital.

Estamos involucrados en esas actividades digitales diarias, y si tales cosas continúan así, definitivamente necesitaremos algunas formas de proteger al menos nuestra visión mediante el uso de anteojos recetados de la mejor calidad. Por lo tanto, es maravilloso ser proactivo y proteger los ojos del posible daño a las pantallas digitales y la luz azul.

LA EXPOSICIÓN A LA LUZ AZUL PUEDE OCASIONAR EL RIESGO DE DEGENERACIÓN MACULAR (CEGUERA)

La luz azul está por todas partes, ya que la luz del sol es la principal fuente de luz. Entonces, cuando estamos afuera durante el día para nuestro trabajo normal, hay muchas posibilidades de obtener luz azul, y es muy importante para proteger nuestra visión de su exposición. No solo la luz del sol, dentro de nuestra casa y otros lugares, los hombres han creado fuentes de luz azul que incluyen iluminación LED y pantallas de televisión en las que pasamos horas todos los días y el riesgo de la exposición aumenta 1

La luz azul en realidad entra a la retina del ojo. Los estudios han demostrado que una mayor cantidad de dicha exposición a la luz azul podría convertirse en el motivo de dañar las células fotosensibles presentes en nuestros ojos. Esta es la razón por la que la mayoría de las personas están muy involucradas en problemas relacionados con los ojos, como la degeneración macular, que puede ocasionar la pérdida permanente de la visión.



2

NIÑOS Y PANTALLAS DIGITALES.

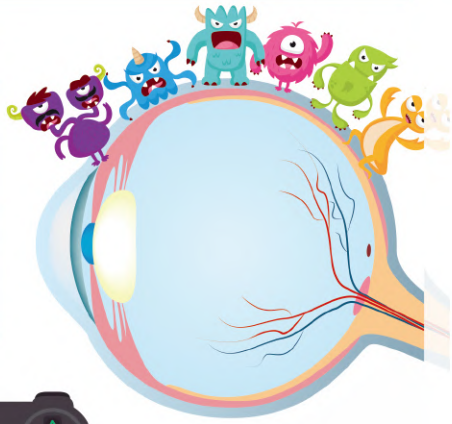
Hoy en día, los niños casi crecen alrededor de rayos emisores altamente dañinos por dispositivos digitales, y nuestros niños usan estos dispositivos extremadamente desde la temprana edad. Esto se convierte en la raíz para desarrollar muchas enfermedades peligrosas e incluso crea el riesgo de problemas de visión a largo plazo.

MANERAS DE PROTEGER LOS OJOS DE LA LUZ AZUL

Como vivir en el siglo XXI significa demasiado uso digital, lo que impacta enormemente en nuestra visión; tenemos que tomar todas las medidas posibles para reducir las posibilidades de obtener luz azul tomando estos sencillos pasos

1. REDUZCA EL BRILLO Corrija el brillo de las pantallas del monitor echando un vistazo a la configuración de control del dispositivo. Un brillo en el rango de 40 a 60 por ciento se considera mejor, ya que no refleja la alta densidad de los ojos, que son perjudiciales a largo plazo.

3



2. ¡EL DESCANSO 20-20-20! Para mantener la mejor visión, se sugiere que cada 20 minutos tome un breve descanso de 20 segundos y observe los objetos a una distancia mínima de 20 pies. Esto brinda una gran comodidad y no sientes la tensión en tus ojos.

3. USO DE PROTECCION AZUL DE LA COMPUTADORA PORTÁTIL Los últimos anteojos de graduación OPTIMAL Blue Light ayudan a disminuir casi los rayos azules de los dispositivos digitales, ofreciendo una gran relajación a los ojos. Siempre asegúrese de usar gafas de la mejor calidad que algunas de las mejores compañías como OPTIMAL ofrecen a los mejores precios. Los anteojos para hombres y mujeres siempre han sido un gran elemento desde el principio, y la última tecnología Blue-cut en los anteojos recetados ha hecho que sea extremadamente maravilloso estar muy a salvo de la luz dañina. Por lo tanto, cuida tus ojos ya que el mundo es simplemente un lugar oscuro sin estas preciosas pertenencias.

Photochromic Lens (monomer)

Product Name	PHOTOCHROMIC Lens
Material	SR-56
Manufactory	Sartomer(USA)
Refractive Index (25ºC)	n(d) =1.545 ; n(e)=1.548

Human eyes are i constant action and reaction to the external stimuli of our surroundings.
As the surroundings change,so do our visual demands.
Universe photochromic lenses provide very convenient and comfortable accommodation in various illuminations.

↘ Paramenters

Reflective Index	1.499, 1.56, 1.61
Colors	Grey, Brown, Pink, Purple, Blue, Yellow
Coating	Hard coated, HMC+EMI, Super Hydrophobic

↘ Advantages

Outstanding Color Performance

- Fast speed of changing,from white to dark and vice versa.
- Perfectly clear indoors and at night,adapting spontaneously to varying light conditions.
- Very deep color after change,the deepest color can be up to 75-85%.
- Excellent color consistency before and after change.

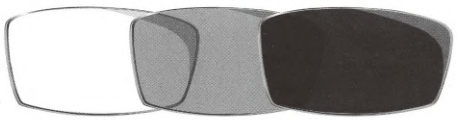
UV Protection

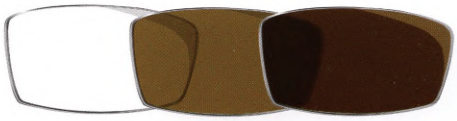
- Perfect blockage of harmful solar rays and 100% UVA & UVB.

Durability of Color Change

- Photochromic molecules are equally bedded in lens material,and are activated year by year,which ensure durable and consistent color change.

Photochromic Lens





↘ Collections

» X-Clear

The most classic series, clear indoor, longer endurable life and quality warranty.

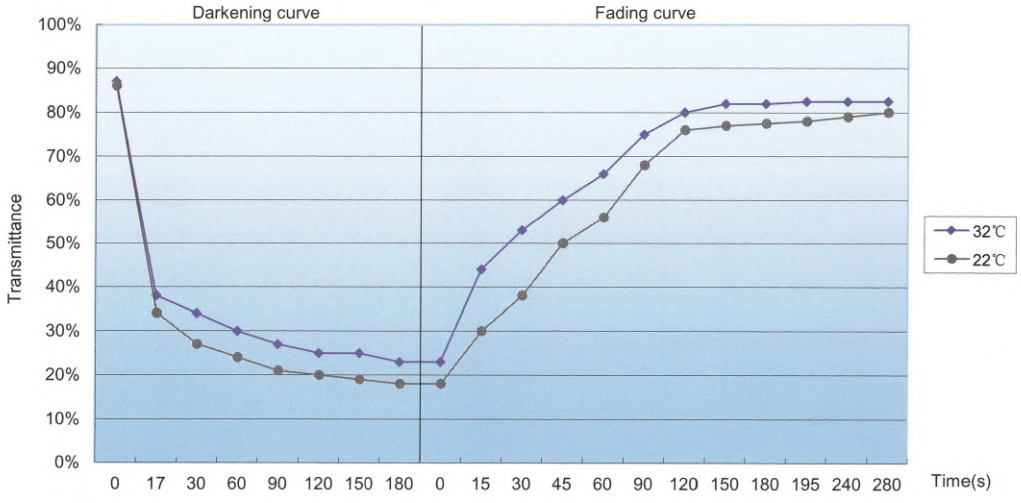
» Q-Active

Q-Active has the top performance in faster darkening & fading speed, as welll as darker color after change.

» Revolution

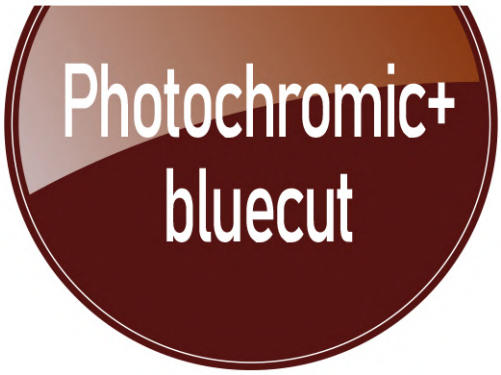
Revolution is the latest photochromic lens made with the advanced technology spin coating.
In this collection, all photochromic lenses 1.499, 1.56, 1.61, 1.67 are available.

↘ Performance



UV 420

Photochromic blue Cut Lens



Great solution to different illuminations

Universe offers a comprehensive blue-violet light blocking lens series that meet different consumers] requirements for indoor and outdoor activities,filtering different amounts of blue-violet light depending on the environment.

Under any light conditions,Armor Photo lens identifies the light changes and makes adaptions of the lens color deepness,which bring you the most comfortable vision transition.

With the illumination regulation and bluelight protection,you will see more comfortably and clearly,free from harsh glares,eyestrain and eye fatigue.

	Bluelight Block	UV Protection	Conditions Adaption
PHOTO+BLUEBLOCK	★★★★★	★★★★★	★★★★★
PHOTOCHROMIC LENS	★★☆☆☆	★★★★☆	★★★★★
CLEAR LENS	★☆☆☆☆	★★★★☆	☆☆☆☆☆

Indoors: Blue light protection-LED lights and TV or other digital device screens emit blue lights

Outdoors: Photochromic protection-Natural light contains high level of blueviolet lights

UV 420

Photochromic blue Cut Lens

Available with

Material photochromic with blueblock coating

- 1.56 Q-Active material photochromic with blueblock coating
- 1.56 Super-Clear material photochromic with blueblock coating

UV40 Bluecut with Spin Coating Photochromic

- 1.5 UV420 bluecut with photochromic by spin coating
- 1.56 UV420 bluecut with photochromic by spin coating
- 1.6 UV420 bluectu with photochromic by spin coating
- 1.67 UV420 bluecut with photochromic by spin coating
- 1.591 Poly UV420 bluecut with photochromic by spin

MULTI-FUNC TIONS

Indoors

Perfect protection from harmful blue lights
Perfectly clear and transparent
Preventing eyes from strain and fatigue

Outdoors

Extra protection from sunlight and harmful HEV light
Improving visual comfort with the photochromic effect
Blocking harmful blue rays,improving visual experience
100% protection from UVA & UVB

Extra Comfort

Faster Adaptation

Reduced Visual Fatigue

Dynamic Vision

UV 420

Photochromic blue Cut Lens

Revolution

Photochromic+ spin coat

REVOLUTION is the breakthrough SPIN COAT technology on photochromic lens.The surface layer photochromic is very sensitive to lights,providing very quick adaption to differdnt environments of various illuminations.

Spin Coat Technologh

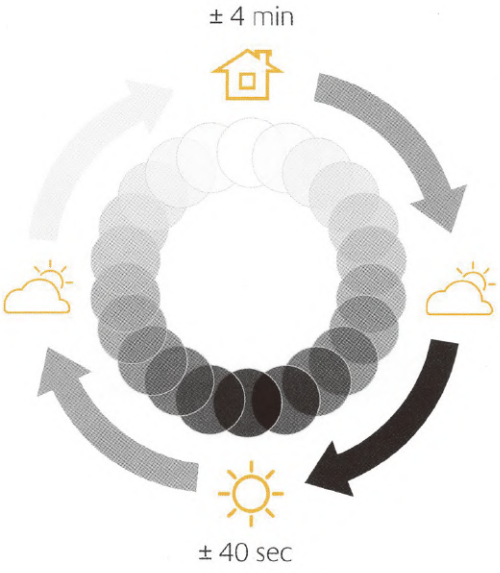
The spin coat technology ensures the with very transparent base color indoors and become very dark outdoors at very fast speed.

Durable Colors

Universe Revolution photochromic lens includes Grey and Brown colors professionally defined to match the fashion trends,as well as to ensure natural and durable

Extensive Scope of Supply

- 1.50/1.56/1.6/1.7 photochromic by spin coat
- Bluecut photochromic by spin coat
- Ultravex high-impact photochromic by spin coat
- Polycarbonate photochromic by spin coat



Finished Bifocal Lens

FINISHED BLENDED

Material	1.499 lens, 1.56 lens, 1.56 photochromic	70/28 F7 70/28 B7
Blank Size	70mm	
Available Design:		
Flat Top	70/28	
Round Top	70/28 70/24 70/45	
Blended Top	70/28 70/26 70/24	

SPH (+)	ADD POWER(+)										
	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50
+3.00											
+2.75											
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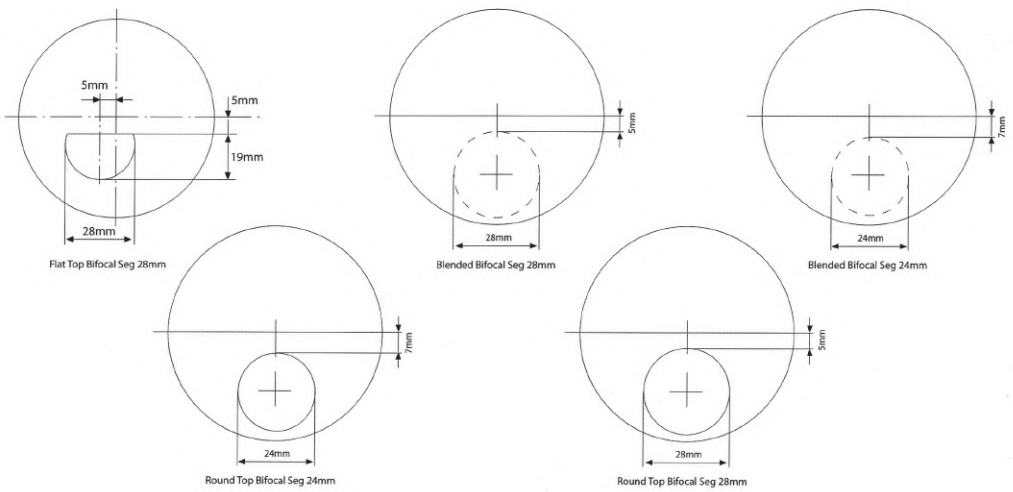

Finished Progressive Lens

Material 1.499 lens, 1.56 photochromic
Available Design:
1.499 Regular Corridor Progressive 75/17mm
1.56 Regular Corridor Progressive 70/17mm
1.499 Short Corridor Progressive 75/14mm
1.56 Short Corridor Progressive 70/12mm

SPH (+)	ADD POWER(+)										
	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50
+3.00											
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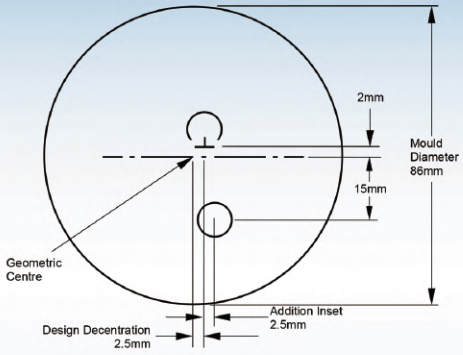
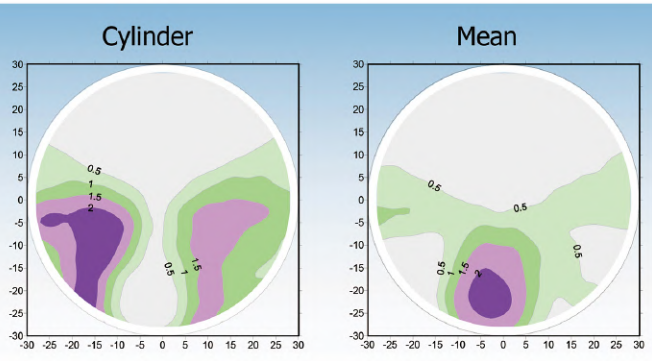
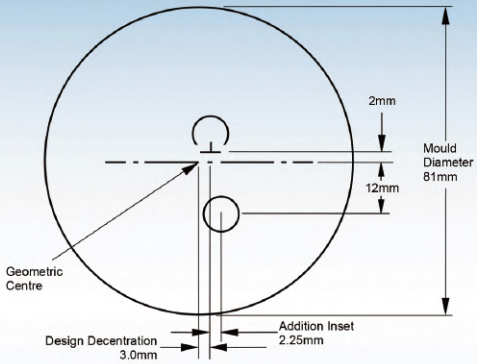
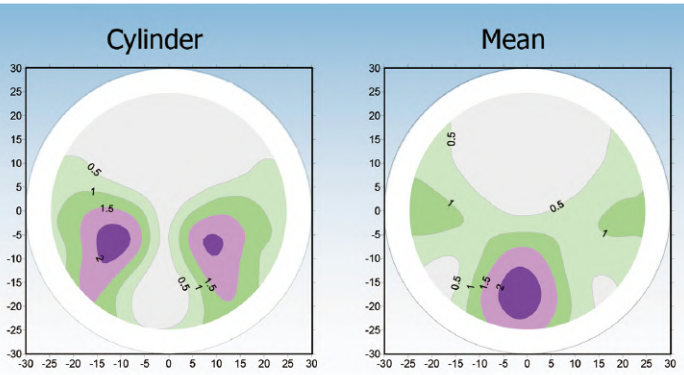




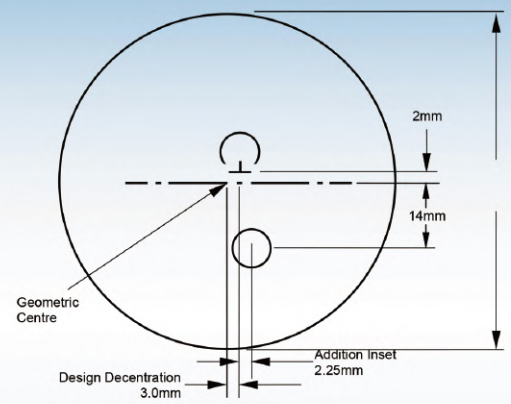
- Low distortion soft design
- 17mm corridor length to full addition power
- Individual designs for left and right eyes
- Moulds in 1.498, 1.56, 1.60 and 1.67 indices

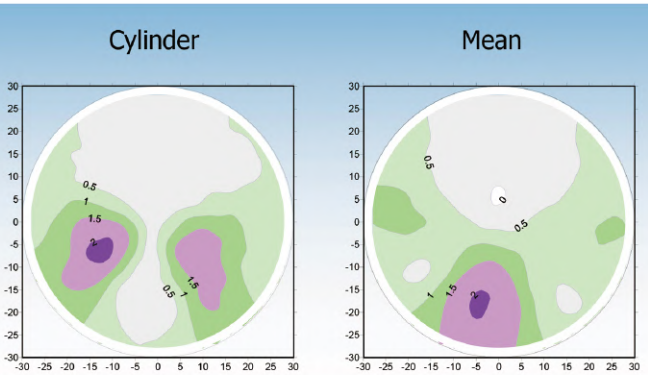
Finished Progressive Lens





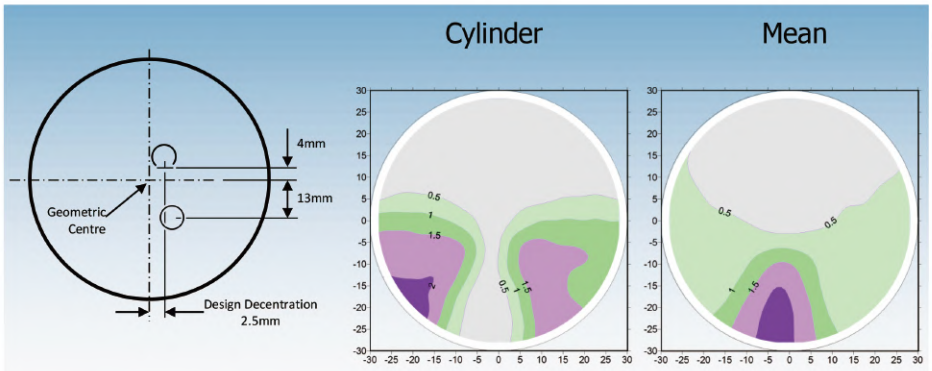
- Short corridor (14mm to full addition power)
- Minimum fitting height of 15mm
- Low distortion soft, aspheric design
- Individual designs for left and right eyes



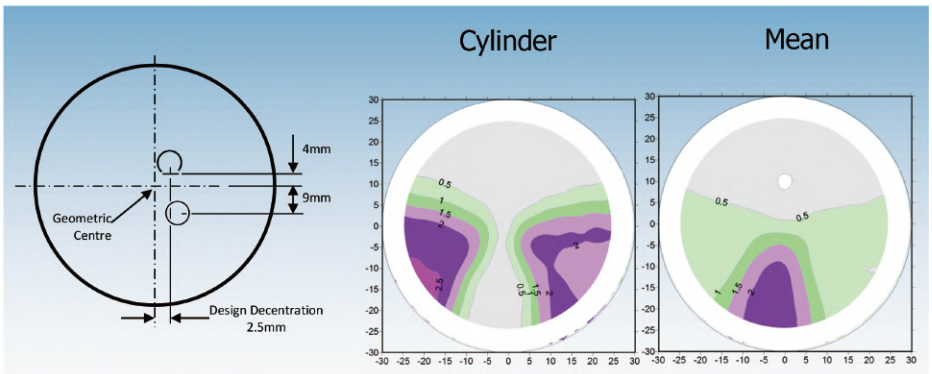


- 16mm corridor length to full addition power
- Minimum fitting height of 17mm
- Low distortion soft, aspheric design
- Individual designs for left and right eyes

Finished Progressive Lens



- "Optics First" design technology
- Smooth mean power distribution
- Soft design with low distortion
- Distortion free distance area and corridor
- Individual designs for left and right eyes
- 17mm corridor length to full addition power
- 18mm minimum fitting height



- "Optics First" design technology
- Smooth mean power distribution
- Soft design with low distortion
- Distortion free distance area and corridor
- Individual designs for left and right eyes
- 13mm corridor length to full addition power
- 14mm minimum fitting height

High Index 1.61/1.67/1.74 Lens

↘ Parameters

Reflective Index	1.61		1.67	1.67
Materials	Korean monomer	MR-8 Mitsui	MR-7 Mitsui	MR-174
Design	Spheric Aspheric	Spheric Aspheric	Aspheric	Aspheric
UV Protection	UV400	UV400	UV400	UV400
Abbe Value	32	41	31	33
Specific Gravity	1.3	1.3	1.35	1.46
Tintability	Bad	Excellent	Good	Average
Impact Resistance	Average	Excellent	Good	Good
Coating	Tintable hard coated , Non-tintable hard coated; HMC, HMC+EMI, Super Hydrophobic			

↘ Features

- Lighter weight and thinner thickness, up to 50% thinner and 35% lighter than other lenses
- Higher resistance to scratches and impact
- Full protection against UV rays
- Easier to clean due to the water and dirt repellent surface
- Amazing visual comfort and aesthetic appeal

LIGHTEST

THINNEST

HI-IMPACT

High Index 1.61/1.67/1.74 Lens

↘ Power Range

Index 1.61

CYL(-/-)											CYL(+/-)								
4.00	3.50	3.00	2.50	2.00	1.50	1.00	0.50	0.00	SPH	0.00	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00
Φ75									1.00 2.00 3.00 4.00 5.00 6.00	Φ65								
Φ70									7.00 8.00 9.00 10.00									

Index 1.67

CYL(-/-)										CYL(+/-)				
4.00	3.50	3.00	2.50	2.00	1.50	1.00	0.50	0.00	SPH	0.00	0.50	1.00	1.50	2.00
Φ75									1.00 2.00 3.00 4.00 5.00 6.00	Φ65				
Φ70									7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00					

Index 1.74

CYL(-/-)									
4.00	3.50	3.00	2.50	2.00	1.50	1.00	0.50	0.00	SPH
Φ75									1.00 2.00 3.00 4.00 5.00 6.00
Φ70									7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00

High Index 1.61/1.67/1.74 Lens

Amazing visual comfort and aesthetic appeal

Excellent optical materials with high refractive index,high Abbe number,low specific gravity and high impact resistance are provided by polymerizing monomers of MR Series is especially suitable for ophthalmic lenses and is known as the first thiourethane based high index lens material.MR Series offers a variety of products to provide the best solution for optical lens users.

Comparison of physical properties

	MR™Series			Other		
	MR-8	MR-7	MR-174	Poly carbonate	Acrylic (RI:1.60)	Middle Index
Refractive Index(ne)	1.6	1.67	1.74	1.59	1.6	1.55
Abbe Number(ve)	41	31	32	28-30	32	34-36
Heat Distortion Temp(º C)	118	85	78	142-148	88-89	-
Tintability	Excellent	Good	OK	None	Good	Good
Impact Resistance	Good	Good	OK	Good	OK	OK
Static Load Resistance	Good	Good	OK	Good	Poor	Poor

High Index 1.61/1.67/1.74 Lens

Amazing visual comfort and aesthetic appeal

Benefits


LIGHTEST


THINNEST


HI-IMPACT

Thin & Light

- High-index options ideal for all prescription needs
- Thinner lenses for lighter,more attractive glasses

Premium optical quality

- Minimum stress strain
- Cut UV up to 400nm

Safe & Strong

- Tough and impact resistant,ideal for your eyes safety
- Good tensile strength for fashionable rimless frames
- Superior lens material passes FDA]s Drop Ball Test without primer coating

RX Processability

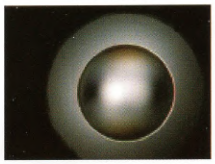
- Ideal for conventional and freeform processing
- Good for various unique sophisticated designs

Outstanding Durability

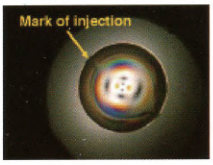
- Excellent weatherability
- Great adhesion of anti-scratch coating and AR-coating
- Maintain clarity for a long time

Comparison of stress strain

MR-8 lens

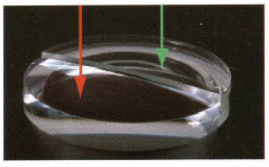


Polycarbonate lens

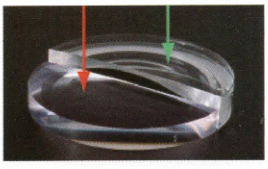


Comparison of thickness

MR-8 Low-Index lens



MR-174 Low-Index lens



SINGLE VISION LENS

CR-39 1.499 lens

Product Name	1.499 Lens
Material	CR-39; 7AT, 7NG
Manufactory	PPG(USA); Great Lake (Italy)
Refractive Index (25ºC)	n(d) =1.499 ; n(e)=1.501
Abbe Value	58
Speccific Gravity (20ºC)	1.32

↘ CR-39 lens Property

↘ Hardness

The best among other organic lenses in hardness and toughness, high impact resistance.

↘ Transmittance

The highest transmittance as compared with other organic lenses.

↘ ABBE

The highest ABBE value providing the most comfortable visual experience.

↘ Consistency

The most reliable and consistent lens product physically

SINGLE VISION LENS

Parameters

Items	CR-39 Single Vision
Reflective Index	1.499
Transmittance	92%
Abrasion Resistance	6/8H
Diameter	50/55/60/65/70/75/80mm
Cotaing	Tintable hard coated, Non-tintable Hard coated; HMC, HMC+EMI, Super Hydrophobic
Coating Color	Green, Blue, Yellow-green, Gold, Magenta, Etc.

Power Range

<table>
<tr><th colspan="8">CYL(-/-)</th><th colspan="11">CYL(+/-)</th></tr>
<tr><th>6.00</th><th>5.50</th><th>5.00</th><th>4.50</th><th>4.00</th><th>3.50</th><th>3.00</th><th>2.50</th><th>2.00</th><th>1.50</th><th>1.00</th><th>0.50</th><th>0.00</th><th>SPH</th><th>0.00</th><th>0.50</th><th>1.00</th><th>1.50</th><th>2.00</th><th>2.50</th><th>3.00</th><th>3.50</th><th>4.00</th><th>4.50</th><th>5.00</th><th>5.50</th><th>6.00</th></tr>
<tr><td colspan="8">65/70</td><td colspan="5">65/70/75/80</td><td>1.00
1.50
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00</td><td colspan="5">50/55/60/65/70</td><td colspan="7">50/55/60/65</td></tr>
<tr><td colspan="8">RX</td><td colspan="5"></td><td>6.50
7.00
7.50
8.00
8.50
9.00
9.50
10.00</td><td colspan="5">RX</td><td colspan="7"></td></tr>
</table>

Power beyond above range are also available by RX production.

Middle Index 1.56 Lens

Parameters

Items	Middle Index Single Vision
Reflective Index	1.56
Transmittance	90%
UV Protection	385 & 400
Design	Spheric & Aspheric
Diameter	55/60/65/70/75mm
Cotaing	Tintable hard coated, Non-tintable Hard coated; HMC, HMC+EMI, Super Hydrophobic
Coating Color	Green, Blue, Yellow-green, Magenta, Gold Etc.

Product Name	Middle Index Lens
Material	KOC 55
Manufactory	KOC(Korea)
Refractive Index (25ºC)	n(d) =1.542 ; n(e)=1.545
Abbe Value	38
Speccific Gravity (20ºC)	1.27

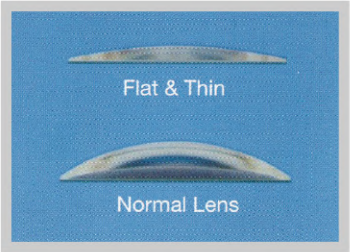
Power Range

CYL(-/-)			CYL(+/-)	
6.00 5.50 5.00 4.50 4.00 3.50 3.00 2.50	2.00 1.50 1.00 0.50 0.00	SPH	0.00 0.50 1.00 1.50 2.00	2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00
70	70/75	1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00	55/60/65/70	55/60/65

Powers beyond the above range are also available by RX production.

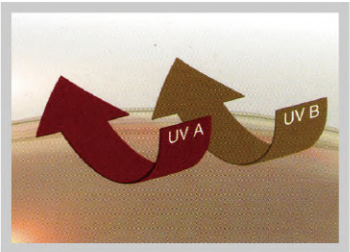
Middle Index 1.56 Lens

↘ Various Options



Super Flat & Thin

Thinner thickness, with knife-cut edge
Flatter curve
Lighter weight
Various sizes; 55/60/70mm plus power



Normal UV385 & UV400 protection

Block UVA and UVB
Protection from the harmful solar rays

Spheric & Aspheric

Cut down aberration of object
Prevent eyes from deformation

↘ Features

- Lower specific gravity, lighter than CR39 1.499 lens
- Higher ultra-violet rays, protects the eyes from the harm
- Better clarity with 90% transmittance

POLYCARBONATE LENS

Greatest safety for kinds of activities

Developed for the highest demands, polycarbonate ophthalmic lenses have very high resistance to breakage. That makes them ideal for all types of sports in which your eyes need physical protection.

POLYCARBONATE WHITE LENS

SV. BIFOCAL. PROGRESSIVE
FINISHED & SEMI-FINISHED

POLYCARBONATE PHOTOCHROMIC LENS

SV. BIFOCAL. PROGRESSIVE
FINISHED & SEMI-FINISHED

Polycarbonate White Lens

↘ Parameters

Reflective Index	1.591
Abbe Value	31
UV Protection	400
Coating	Tintable hard coated, Non-tintable hard coated; HMC, HMC+EMI, Super Hydrophobic

↘ Properties

		Other Materials						
	Polycarbonate	MR-8	MR-7	MR-174	Acrylic	Mid-Index	CR-39	Glass
Index	1.59	1.61	1.67	1.74	1.61	1.55	1.50	1.52
Abbe Value	28-30	42	32	33	32	34-36	58	59
Impact Resistance	Excellent	Excellent	Good	Good	Average	Average	Good	Bad
FDA/Drop-ball Test	Yes	Yes	No	No	No	No	No	No
Drilling for Rimless Frames	Excellent	Good	Good	Good	Average	Average	Good	Good
Specific Gravity	1.22	1.3	1.35	1.46	1.3	1.20-1.34	1.32	2.54
Heat Resistance (°C)	142-148	118	85	78	88-89	---	84	>450

↘ Full Range

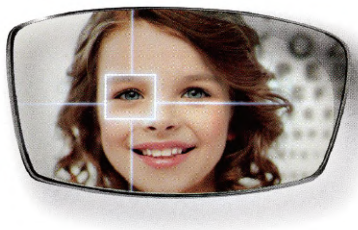
- Single Vision, Bifocal Flat Top, Progressive
- Clear and Photochromic
- Finished and Semi-finished
- Coating: HMC, SHMC and Blue-cut Coating

Polycarbonate White Lens

↘ Benefits

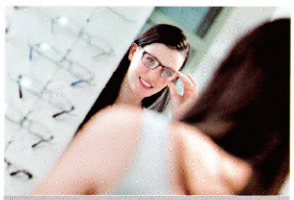
- Break resistant and high-impact
- Good choice to those who love sports
- Good choice to those who do a lot of outdoor activities
- Block harmful UV lights and solar rays

- Suitable for all kinds of frames, especially rimless and half-rimless frames
- Light and thin edge offer aesthetical appeal



- Suitable to all groups, especially the children and sportsmen
- Thin thickness, lightweight, light burden to children's nose bridge
- High impact material is safer to the energetic children Perfect protection to the eyes

Youngsters for safety and lightweight



People who prefer to light glasses or rimless frames

People who do a lot of sports

Polycarbonate Photochromic Lens

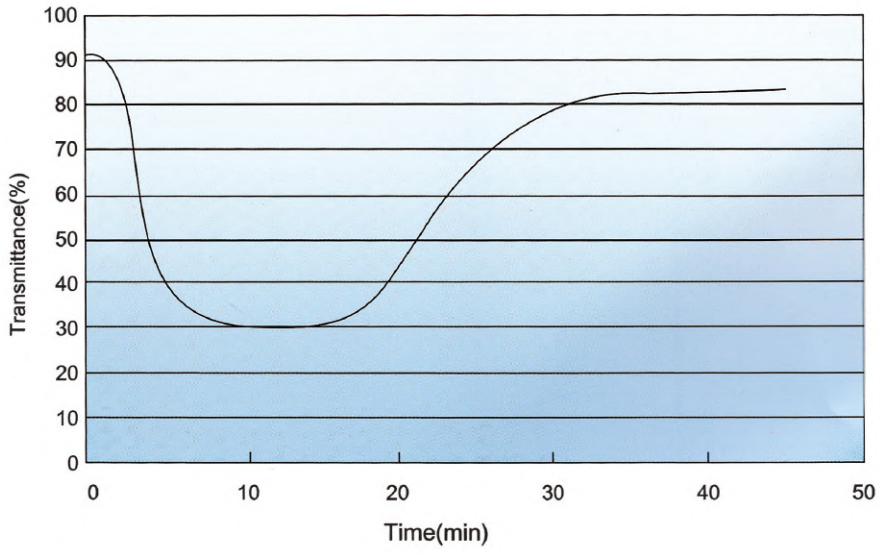
Polycarbonate Photochromic

A right solution for everyday lives whatever the light condition is.It is suitable indoors as well as outdoors,as it automativally changes light absorption rate to be optimum per each condition of light. And inherent protection from UV light lets the wearers feel more comfortable and safer.

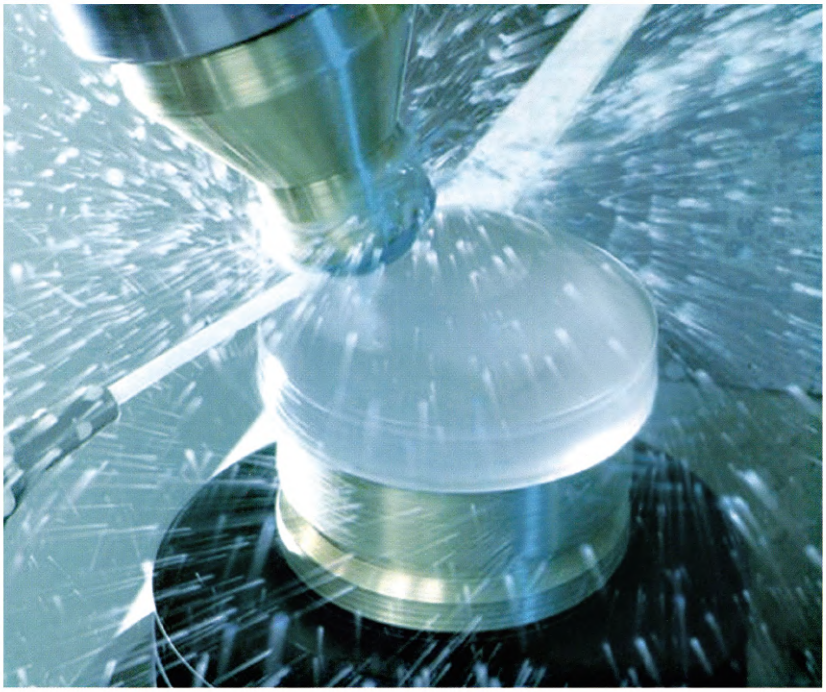
Particularly recommended to the people enjoying sports activities such as jogging,cycling, baseball,hiking and leisure activities outdoors.

Benefits

Fast speed of changing,from white to dark and vice versa
Perfectly clear indoors and at night,adapting spontaneously to varying light conditions
Perfect protection from glare,harmful solar rays and UVA & UVB
Enjoy from the outdoor activities with perfect protection from danger of impact



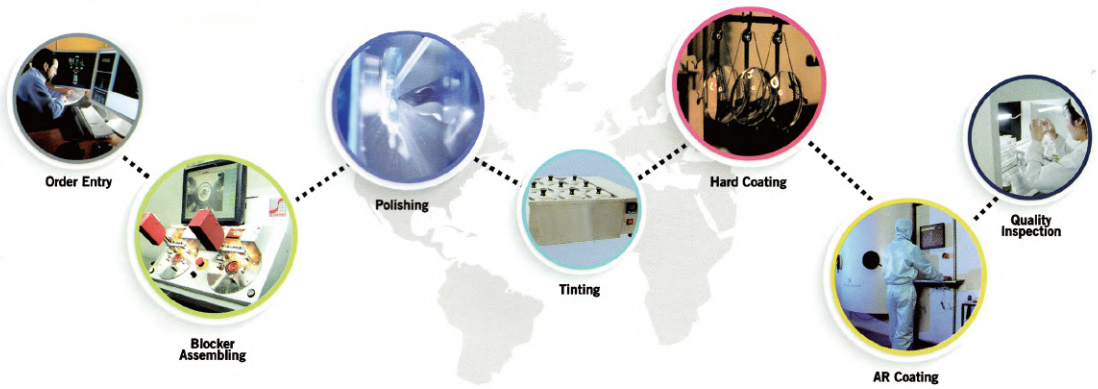
SEMI-FINISHED LENS



With high quality control,UO semi-finished lens has developed its own standards that guarantee the higest quality in every stage of RX production.This includes strict material tests,extensive compatibility studies and quality tests from every batch of lenses.

We offer everything from a single vision white lens to many complicated functional lenses,which you will find in the available range chart.

↘ RX lens production flow:



FAQ for Semi-finished Lens

Q. What's semi-finished lens for?

A. Semi-finished lens is the raw blank used to produce the most individualized RX lens according to the patient's prescription,Different prescription powers request for different semi-finished lens types or base curves.

Q. What's the importance of a good semi-finished lens to RX production?

A. a.High qualified rate in power accuracy and stability

b.High qualified rate in cosmetics quality

c.High optical features

d.Good tinting effects and hard-coating/AR coating results

e.Realize the maximum prodction capacity

f.Punctual delivery

Rather than just the cosmetic quality,semi-finished lenses are more about the inner quality,such as precise and stable parameters,especially for the prevailing freeform lens.

Freeform lab requests for high quality of semi-finished lenses in precise and stable base curves/radius/sag/thickness.Unqualified lenses will lead to much waste in capacity,labor,clicking charge,delivery postpone,the consequence of which will be more than the semi-finished lens cost.

Q. What's the most important parameters in regards of semi-finished lenses?

A. Befor put the semi-finished lenses into RX process,we must make it clear about several data,such as Radius,Sag,True curve,Tooling index,Material index,CT/ET,etc.

Front/Back Radius:A stable precise radius value is very important to the power accuracy and consistency.

True Curve:The correct and precise true curve(not nominal curve) is very important to the power accuracy and consistency.

CT/ET:The center thickness and edge thickness affect the RX production range

Index:Correct material index and tooling index are both very important to get an accurate power.

Semi-finished Lens

HARD RESIN LENS	SINGLE VISION	1.499 Index		Spheric			
				Ø60, 65, 70, 75, 80, 85			
		1.56 Index		Spheric		Aspheric	
				Ø60, 65, 70, 75, 80		Ø65, 70	
		1.61 Index		Spheric		Aspheric	
				Ø70, 75		Ø70, 75	
		1.67 Index		Spheric		Aspheric	
				Ø70, 75		Ø70, 75	
		1.74 Index		Spheric		Aspheric	
				Ø70, 75		Ø70, 75	
	BIFOCAL	1.499 Index		Flat-Top	Round-Top	Blended-Top	Curve-Top
				Ø70/28 75/28	Ø70/28 70/24	Ø70/28	Ø70/28
		1.56 Index		Flat-Top			
				Ø70/28			
		1.61 Index		Flat-Top			
				Ø70/28			
	PROGRESSIVE	1.499 Index		Short Corridor		Regular Corridor	
				Ø75/12&14		Ø75/17	
		1.56 Index		Short Corridor			
				Ø75/12			
		1.61 Index		Short Corridor			
				Ø75/14			
	FUNCTIONAL LENS	PHOTOCHROMIC	1.56 Index	Single Vision	Bifocal	Progressive	
				Ø70/75	Ø70/28	Ø70/12&14	
			1.61 Index	Single Vision			
				Ø65/70/75			
		UV420	1.56 Index	Single Vision			
				Ø65/70			
			1.61 Index	Single Vision			
				Ø70/75			
			1.67 Index	Single Vision			
				Ø70/75			
		HIGH-IMPACT	1.56 Index	Spheric		Aspheric	
				Ø70/75		Ø70, 75	
			1.61 Index	Spheric		Aspheric	
				Ø70/75		Ø70, 75	
		POLARIZED	1.499 Index	Single Vision			
				Ø75			
		LENTICULAR	1.499 Index	Normal		Omega	
				Ø65		Ø65	
			1.56 Index	Normal		Omega	
				Ø65		Ø65	

POLYCARBONATE LENS	WHITE	Single Vision	Flat-Top	Progressive
		Ø75,80	Ø75/28	Ø75/14
	PHOTOCHROMIC	Single Vision	Flat-Top	Progressive
		Ø75	Ø75/28	Ø75/14

MINERAL LENS	WHITE	Single Vision	Flat-Top	Round-Top
		Index 1.523, 1.7, 1.8, 1.9	Ø75/28	Ø65/28
	PHOTOCHROMIC	Single Vision	Flat-Top	Round-Top
		Index 1.523	Ø65/28	Ø65/28
	POLARIZED	Single Vision		
		Ø65,70,75		

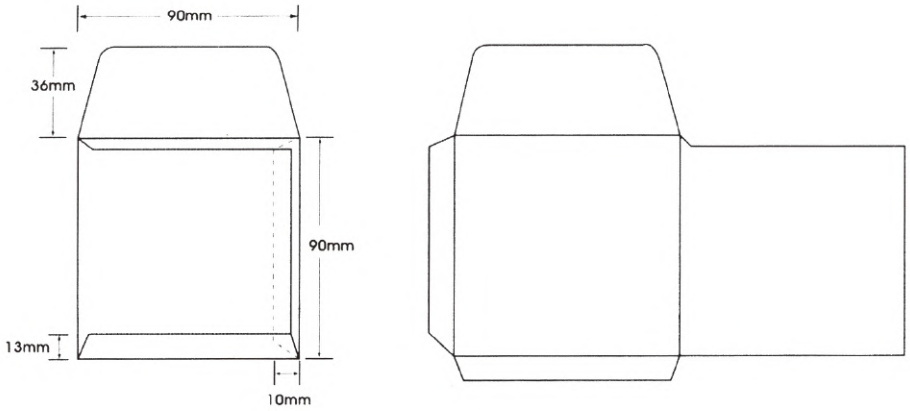
How to Pack the Lenses

(1) Ophthamic lenses are packed in color-printed envelopes (offset painting),one envelope for each piece of lens. Sereral lenses in a small box (size L 170mm W 90mm H 90mm).24 boxes in a standard ecport carton (size L 390mm W 365mm H 300mm)

(2) In order to find goods easier for both consignee and carrier , usually the Seller's Invoice number will be mentioned on each carton as shipping mark,provided no more direction from the Buyer.

(3) Bar code on each envelope is available with extra cost.

(4) Usually lenses are packed with the Seller's general envelopes which show in this Purchase Direction Without mentioning the Seller's information, but showing full power and description of the lens. Provided the quantity of each shipment not less than 10.000 pairs, the Seller can pack goods whth showing full power and description of charge (one free design for every 10.000 pairs). The Buyer is suggested to make design according to the following shape and size.



The Buyer will be welcomed to send its envelope designs to the Seller through CD or e-mail and the Seller will make necessary art work to improve or complete the designs free of charge. The files can be edited under personal computer (PC system) with one of the following software, precision should be not less than 300 dpi and suggested envelope size is 90mm 90mm. The Buyer is not suggested to send files which created or edited under Mac system.

- Adode Pagemaker 6.5;
- Adode Illustrator 8.0;
- Macromedia Freehand 8;
- Macromedia Freehand 10;

Provided the Buyer is not familiar with the above sofware, they can submit envelope samples, design, logo, graphics, descriptions and company information, the Seller will make art work free of charge.

Any revised envelope designs will be sent the Buyer in graphics format through e-mail for their approval before printing.

(5) Inside lining in the envelope is available with extra cost.