

# Optical Lens Broucher





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## ABOUT US

GKB Optic Technologies is a joint effort of GKB Opticals Ltd and Essilor International in the field from Rx Exports from India.

GKB Opticals Ltd, a company of global renown, has been engaged in the lens industry for more than 50 years. With many firsts to its credit in the Indian optical lens industry, it is the largest producer of quality lenses in India. In 2010, it partnered with Essilor, the world leader in spectacle lenses to create GKB Optic, a world class infrastructure Rx-laboratory in Noida Special Economic Zone. The full-service Rx-lab caters to export markets across Europe, USA, Middle-east and Australia. The company provides Rx and stock capabilities right from Lens production to Edging and Mounting.

The lenses produced in GKB Optic Technologies are world standard, and meet the most stringent demands in quality and service across the globe. Its position as India's premier Rx lab is cemented with its numerous satisfied customers all over the globe. This number is growing rapidly with the efforts of the management over several growth verticals. Catering to a global market, GKB Optic has a highly versatile product profile which caters to virtually any lens requirement, from simple stock lenses, high end digital freeform, advanced PAL designs. Specialization and development in coatings is one of the key core-competences of GKB Optic

Being a market driven organization, the company will constantly innovate its products and services, bring more value to its customers and expand its market base in the global scenario. The next three years will see us expanding in processing capabilities that bring about better value creation in our products and services for our distribution network and customer base. On the operations front, innovation in technology is that the company will constantly strive for.



# STOCK LENSES INDEX CHART

Product Description	Colour	Power Range	Cylinder	Ext Range	Dia (MM)	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX
Clear Lenses												
Magnum 1.50 CR 39	Clear	+6.00 to -6.00	upto 2.00	upto 4.00	65/70	✓	✓	✓	✓	✓	✓	✓
Magnum 1.50 CR 39 BXM	Clear	+6.00 to -6.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	
Magnum 1.56	Clear	+6.00 to -7.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	✓
Magnum 1.56 BXM	Clear	+6.00 to -8.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	
Dura 1.59 Polycarbonate	Clear	+4.00 to -4.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	✓
Dura 1.59 Polycarbonate BXM	Clear	+4.00 to -6.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	
Magnum 1.60 MR-8	Clear	+6.00 to -10.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	✓
Magnum 1.60 MR-8 BXM	Clear	+6.00 to -6.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	X
Thin & Light 1.67 MR-7	Clear	+6.00 to -10.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	✓
Thin & Light 1.67 MR-7 BXM	Clear	+6.00 to -10.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓	✓	X
Photochromic												
1.50 Transitions Gen8	Grey/Brown/Green	+4.00 to -4.00	upto 2.00		65/70	✓	✓	✓	✓	✓	✓	X
1.60 Transitions Gen8	Grey/Brown	+6.00 to -6.00	upto 2.00	upto 3.00	65/70		✓	✓	✓	✓	✓	X
1.67 Transitions Gen8* (On Order)	Grey/Brown	+6.00 to -8.00	upto 2.00	upto 3.00	65/70		✓	✓	✓	✓	✓	X
1.59 Poly Transitions Gen8* (On Order)	Grey/Brown	+6.00 to -8.00	upto 2.00	upto 3.00	65/70		✓	✓	✓	✓	✓	X
1.56 Photovision II	Grey/Brown	+6.00 to -8.00	upto 2.00	upto 4.00	65/70	✓	✓	✓	✓	✓	✓	✓
1.56 Photovision 3 BXM	Grey/Brown	+6.00 to -8.00	upto 2.00	upto 4.00	65/70	✓	✓	✓	✓	✓	✓	X
1.60 Photovision II	Grey/Brown	-8.00 to +6.00	upto 2.00				✓	✓	✓	✓	✓	✓
1.60 Photovision 3 BXM	Grey/Brown	-8.00 to +6.00	upto 2.00				✓	✓	✓	✓	✓	✓
1.67 Photovision II	Grey/Brown	-8.00 to +6.00	upto 2.00				✓	✓	✓	✓	✓	✓
1.67 Photovision 3 BXM	Grey/Brown	-8.00 to +6.00	upto 2.00				✓	✓	✓	✓	✓	✓
Sunlenses												
Sun Lens 1.5 Gray 75	Grey	-6.00 to +6.00	upto 2.00	pto 4.00	65/70		✓	✓	✓	✓		
Sun Lens 1.5 Gray 85	Grey	-6.00 to +6.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓		
Sun Lens 1.5 Brown 75	Brown	-6.00 to +6.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓		
Sun Lens 1.5 Brown 85	Brown	-6.00 to +6.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓		
Sun Lens 1.5 G15	Green	-6.00 to +6.00	upto 2.00	upto 4.00	65/70		✓	✓	✓	✓		
Glass												
1.523 Clear	Clear	-6.00 to +6.00	upto -2.00	-	65	✓		✓			✓	✓
1.70 Clear	Clear	-12.00 to -2.00\	upto -2.00	-	65	✓		✓			✓	✓
1.80 Clear	Clear	-14.00 to -4.00	upto -2.00	-	65	✓		✓			✓	✓
Photochromic												
1.523 PGX & PBX	Grey/Brown	-6.00 to +6.00	upto -2.00	-	65	✓		✓			✓	✓
1.60 PGX & PBX	Grey/Brown	-6.00 to +6.00	upto -2.00	-	65	✓		✓			✓	✓

MAGNUM FSV 1.50 CR 39

Stock Range								Extended Stock Range									
(+, +)	+0.25	+0.50	+0.75	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50	+3.75	+4.00	
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(-, +)	+0.25	+0.50	+0.75	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50	+3.75	+4.00	
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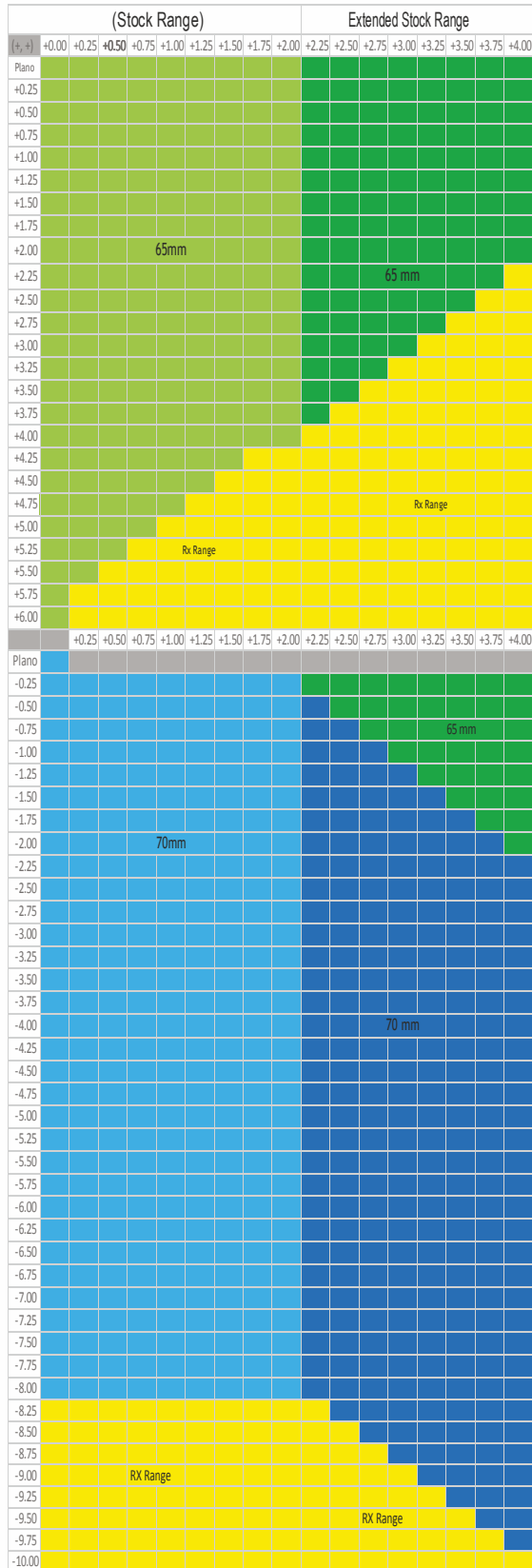
MAGNUM FSV 1.50 CR 39 BXM

Stock Range								Extended Stock Range								
(+, +)	+0.25	+0.50	+0.75	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50	+3.75	+4.00
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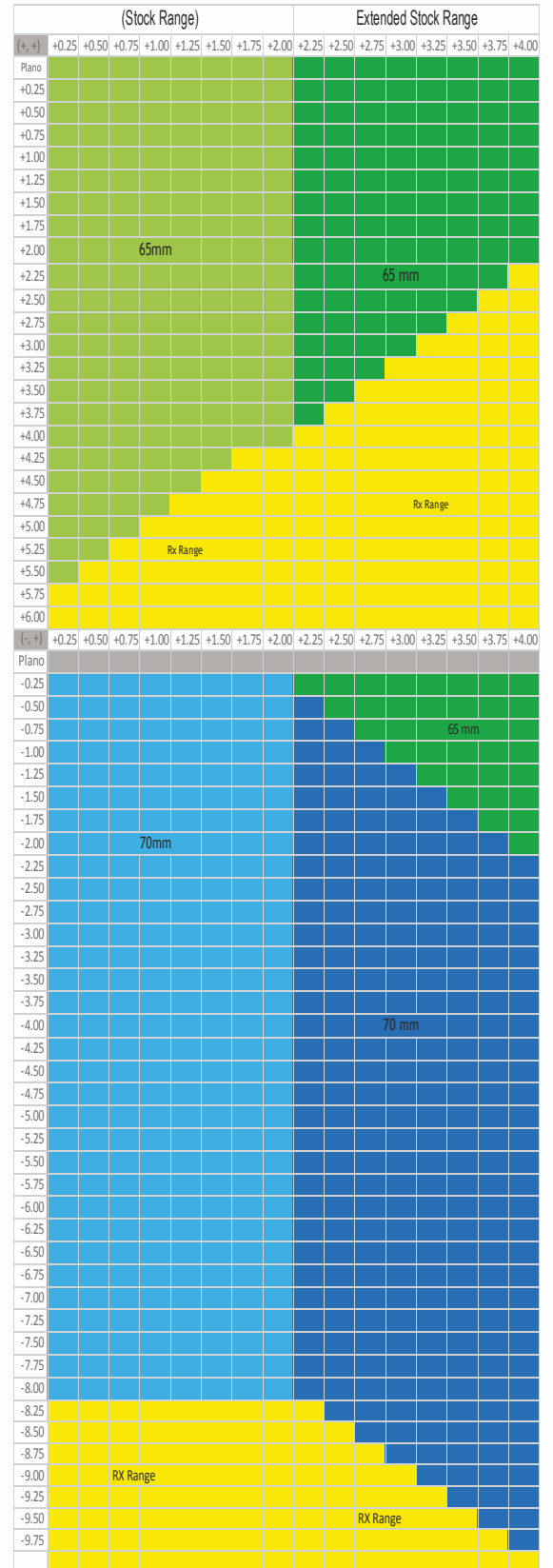
# Stock Lenses

## MAGNUM SINGLE VISION LENS

### MAGNUM FSV 1.56 CLEAR



### MAGNUM FSV 1.56 CLEAR BXM



## SINGLE VISION LENS



# Stock Lenses

# DURA

HIGH-TENSILE DURABLE LENS

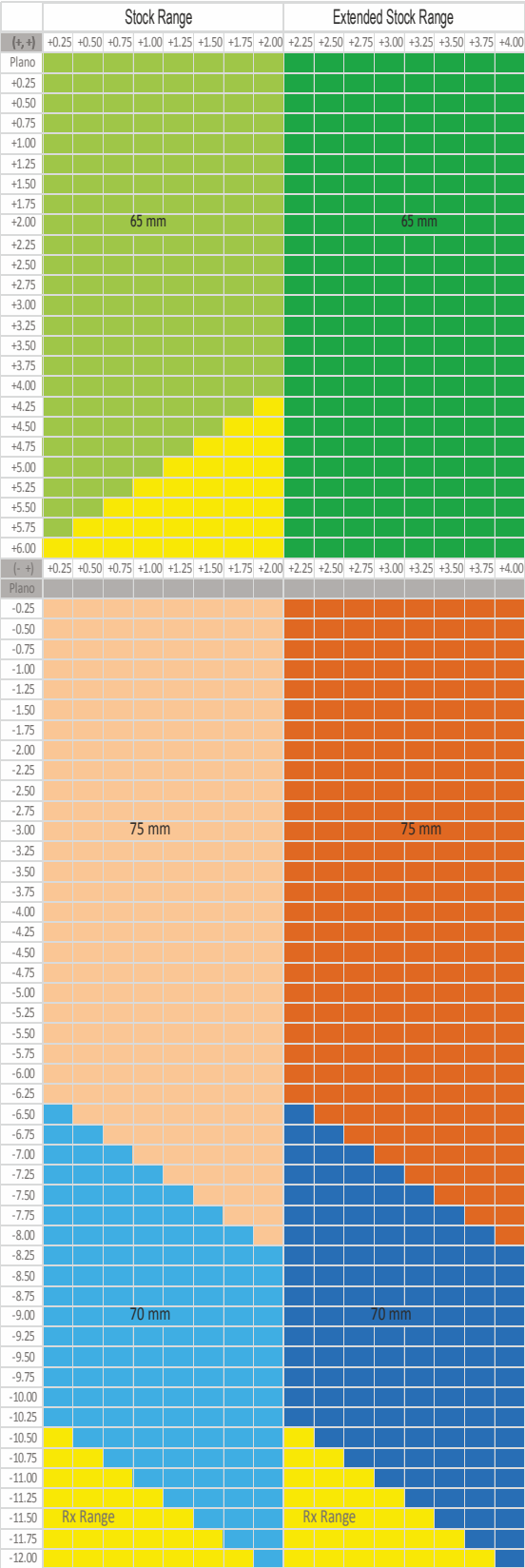
## DURA FSV 1.59 Polycarbonate

	Stock Range								Extended Stock Range							
(+,-)	+0.25	+0.50	+0.75	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50	+3.75	+4.00
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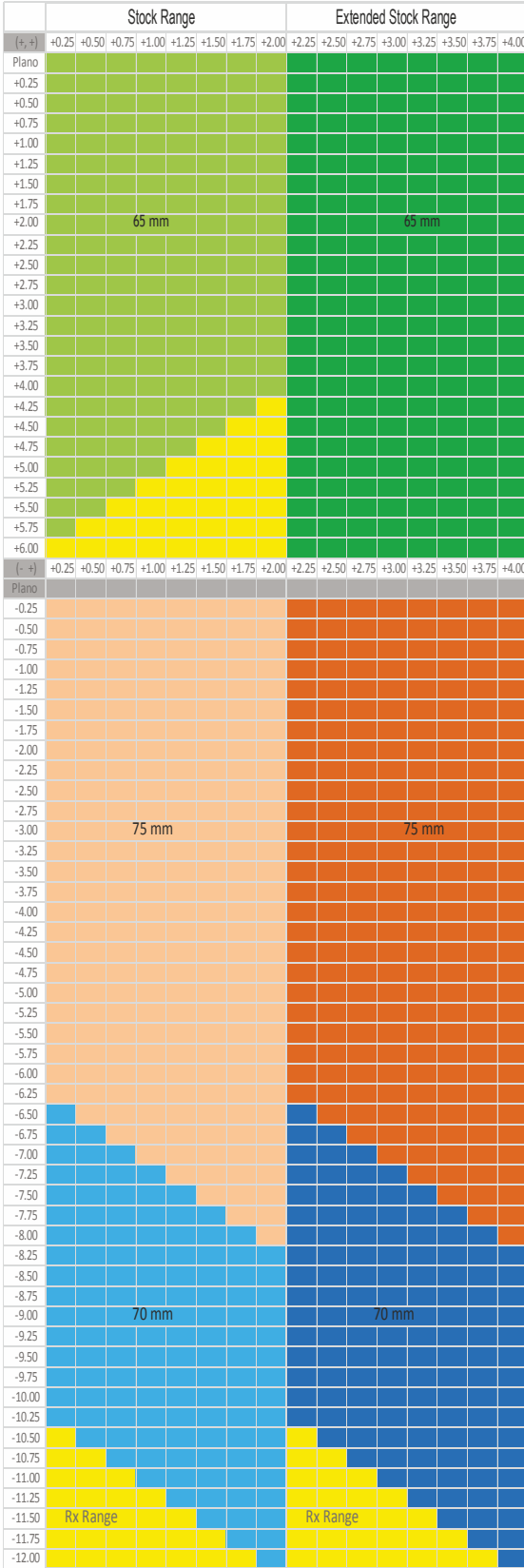
	Stock Range							
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THIN & LIGHT FSV 1.67 Aspheric



THIN & LIGHT FSV 1.67 Aspheric BXM





### Photovision II FSV 1.56

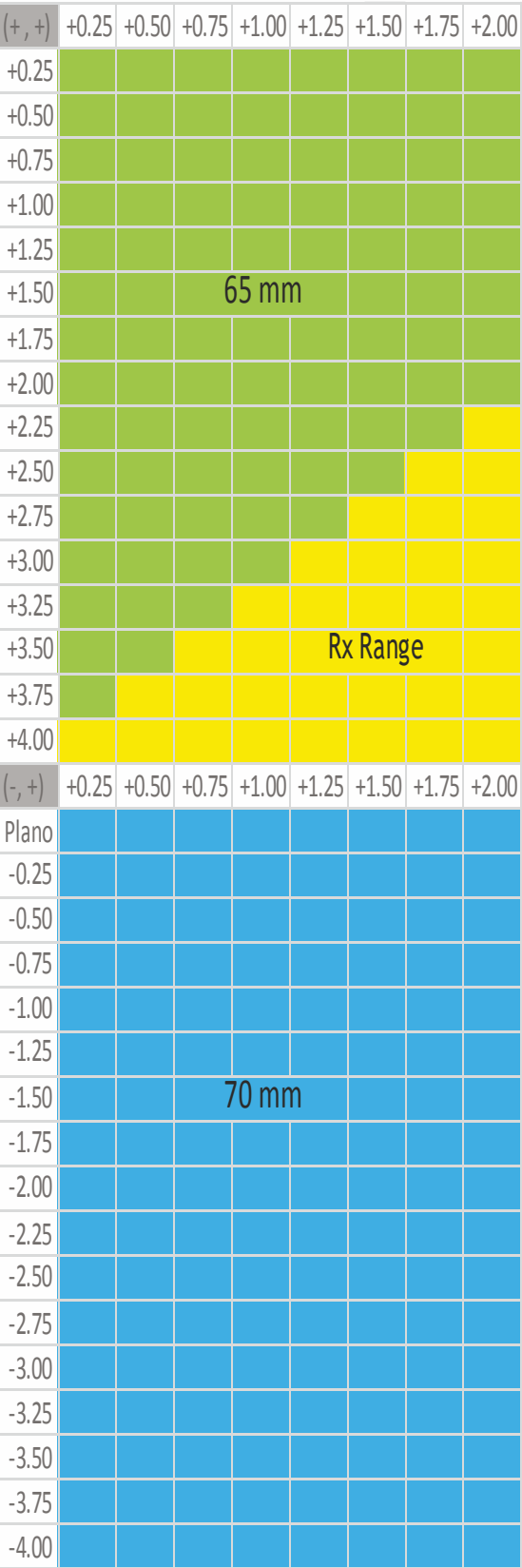
	Stock Range									Extended Stock Range								
(+ / +)	+0.00	+0.25	+0.50	+0.75	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50	+3.75	+4.00	
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### Photovision 3 BXM FSV 1.56

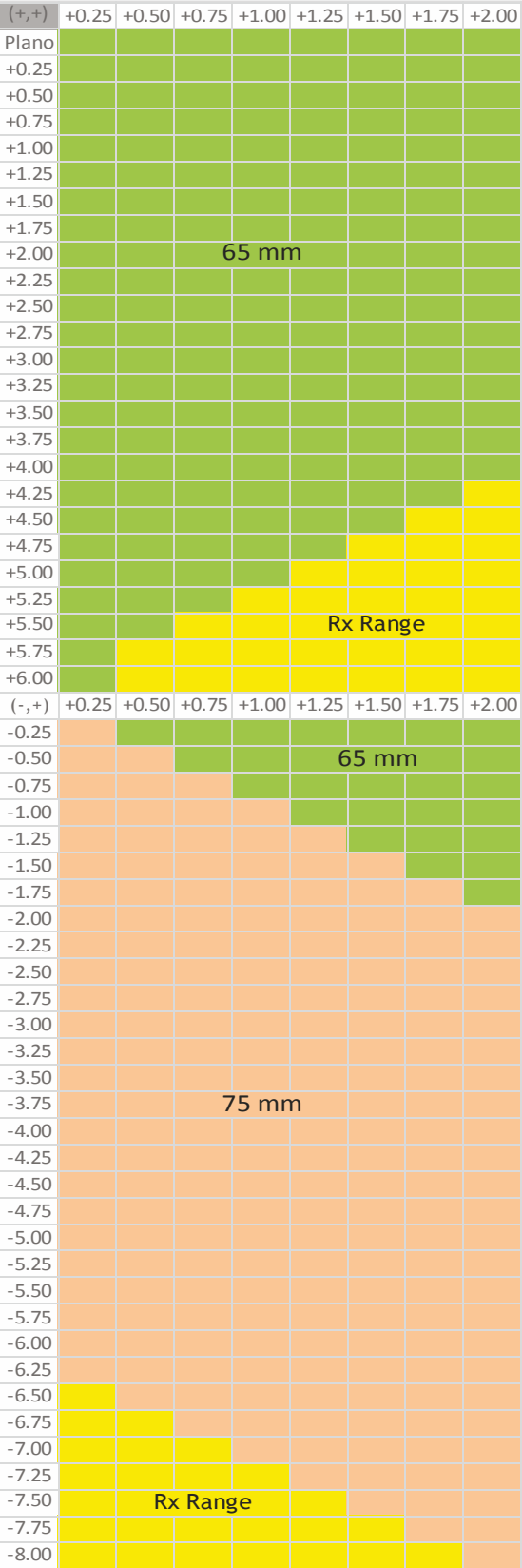
	Stock Range									Extended Stock Range								
(+ / -)	+0.00	+0.25	+0.50	+0.75	+1.00	+1.25	+1.50	+1.75	+2.00	+2.25	+2.50	+2.75	+3.00	+3.25	+3.50	+3.75	+4.00	
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Transitions Gen8 FSV 1.50 (Gr/Br)



Transitions Gen8 FSV 1.60 (Gr/Br)





# GKB BXM™ Clear Lenses

Total Protection from Harmful BlueRays

**BXM™** Lens are fused with advanced protection substrate to make it one of the best BlueBlock lens in the industry.

**BXM™** lenses blend a revolutionary Neutral Color-Balanced Substrate in the lens material. These lenses as a result deflect the high energy Blue rays emitting from digital devices as well as blocks the harmful UV rays from sun making it as an all-round protection for your eyes in all environments.

## Benefits of using BXM™ lenses:

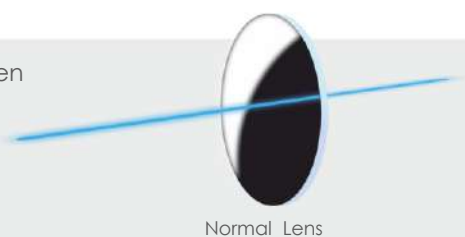
Reduces eye strain for people who extensively work on digital devices

Protects eyes in indoor and outdoor environments

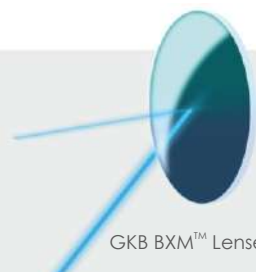
Available in wide range of indexes like 1.5, 1.56, 1.59, 1.6 & 1.67

Perfect for all frame shapes and styles

Comparison between Normal Lens & GKB BXM™ Lenses



Normal Lens



GKB BXM™ Lenses

## Properties

- Reduces eyestrain
- Ideal for people working on digital screens
- Protects eyes from harmful rays
- Offers vision clarity

- Fits to all frame styles and sizes
- Available in wide range of indexes

## MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX	NightVision
1.50 CR 39	✓	✓	✓	✓	✓	✓	✓	✓
1.56 Clear Acrylic	✓	✓	✓	✓	✓	✓	✓	✓
1.60 MR8	✗	✓	✓	✓	✓	✓	✓	✓
1.67 MR7	✗	✓	✓	✓	✓	✓	✓	✓
1.59 Poly	✓	✓	✓	✓	✓	✓	✓	✓



## Photovision 3 BXM™

### A Photochromatic BlueCut Lens

**BXM™** Lens are fused with advanced protection substrate to make it one of the best BlueBlock lens in the industry.

**Photovision BXM™** lens are a photochromatic version for our newly introduced BXM™ lenses which protect eyes from harmful blue light emitted by digital devices as well act as total protection from harmful UV rays from sun, when outside.

#### Key Features:

Completely Clear Indoor	Fast Fade Back Speed	Blocks Harmful Blue Rays emitted by Digital Devices
Block Harmful UV Rays from Sun when outside	Fits in any prescription and frame	Suitable for all Age Groups including Children

#### Benefits of using BXM™ lenses:

Reduces eye strain for people who extensively work on digital devices	Protects eyes in indoor and outdoor environments	Available in Grey & Brown Tinted colour	Perfect for all frame shapes and styles
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#### MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX	NightVision
1.56	✓	✓	✓	✓	✓	✓	✓	✓
1.60 MR8	✗	✓	✓	✓	✓	✓	✓	✓
1.67 MR7	✗	✓	✓	✓	✓	✓	✓	✓
1.59 Poly	✓	✓	✓	✓	✓	✓	✓	✓



# Digital Single Vision



The digital single vision lenses have an atoric optimisation on the backside. The correction on both meridians (spherical and cylindrical) allows® the patient to view clearly through the entire lens, even from the outer edges. This has significant viewing advantages over the conventional and the aspheric single vision lens.



Unwanted Astigmatism allows the wearer to view clearly only from the central Viewing Positions.



Digital Atoric design allows the wearer to have a clear view also from the edges.

## MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX	LOW REFLECTION	NightVision
1.5 CR- 39	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organic 1.6, 1.67, 1.74	✗	✓	✓	✓	✓	✓	✓	✓	✓
Polycarbonate 1.59	✗	✓	✓	✓	✓	✓	✓	✓	✓
Trivex 1.53	✗	✓	✓	✓	✓	✗	✗	✓	✓
Transition® Gen8 1.50	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transition® Gen8 1.6 1.67, 1.74	✗	✓	✓	✓	✓	✓	✓	✓	✓
Transition® Gen8 Polycarbonate 1.59	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drivewear 1.5	✓	✓	✓	✓	✓	✗	✗	✓	✓
Polarized 1.5, 1.6	✓	✓	✓	✓	✓	✗	✗	✓	✓
Polarized 1.67	✗	✓	✓	✓	✓	✗	✗	✓	✓
BXM 1.5, 1.56, 1.6, 1.67, 1.74	✗	✓	✓	✓	✓	✓	✓	✓	✓

# Transitions™

light under control™

## GEN8™

Protect your eyes in style with  
**The Best Overall\***  
**Photochromic Lenses**



## PROTECT YOUR EYES IN STYLE



**LIGHT INTELLIGENT**  
AUTOMATICALLY ADAPTING TO  
CHANGING LIGHT CONDITIONS



**HASSLE FREE**  
MAKE YOUR EVERYDAY  
LIFE SIMPLER



**EVERYDAY EYECARE**  
BLOCKS 100% OF UV RAYS, PLUS HELPS  
PROTECT AGAINST HARMFUL BLUE LIGHT  
INDOORS AND OUTDOORS



**FREE-STYLE**  
WHATEVER THE FRAMES YOU LOVE,  
PICK YOUR FAVORITE COLOR,  
CHOOSE YOUR STYLE

## BENEFIT OF WEARING NEW



**ULTIMATE PROTECTION**  
*Against UV, harmful blue light and glare*



**FASTER**  
*Activates 30% faster, up to 3 minutes faster to fade back*



**DARKER**  
*Than Transitions Signature VII, at 23°C*



**LASTS LONGER**  
*Better long lasting quality*

Transitions™ GEN8



## PROVEN BY CONSUMERS

9/10

wearers are  
satisfied¹

8/10

wearers are less  
bothered by  
bright light¹



# Photovision II

Plastic Photo Chromic Lens

## Most Responsive Plastic Photocromic Lenses

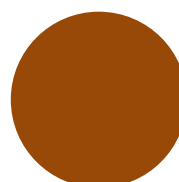
PHOTOVISION II™ lenses adjust to changing light conditions by darkening in bright light circumstances outdoors and fading back to clear indoors, ensuring maximum comfort in all circumstances.

They are more reactive to bright sun, partial sun and indirect light such as light reflected from buildings, cars, water bodies and many other such surfaces.

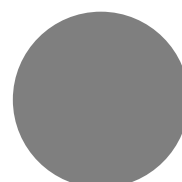
### Properties

- Completely clear indoors and at night
- Fast fade back speed
- Block 100% of UVA & UVB rays
- Fit any prescription and frame
- Suitable for any age including children
- Light transmission between 94% (Indoor) to 15% (Outdoors)
- More reactive to indirect light

### Available Color



Brown



Grey

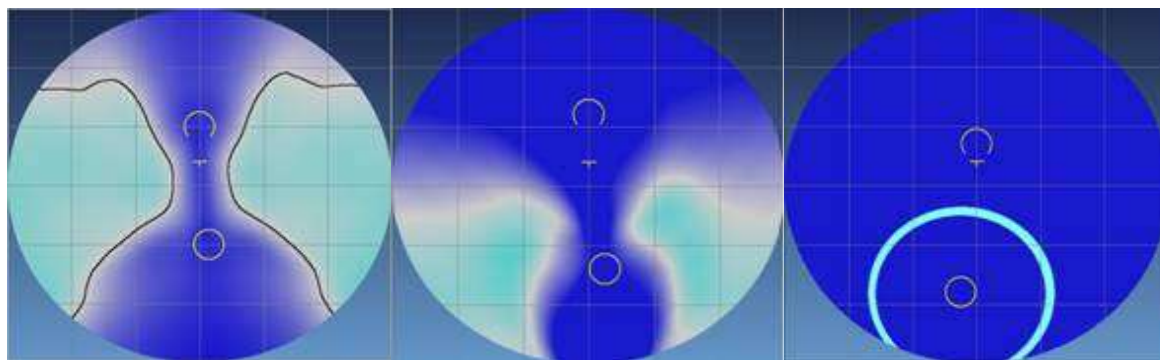
### MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX	NightVision
1.56	✓	✓	✓	✓	✓	✓	✓	✓
1.60 MR8	✗	✓	✓	✓	✓	✓	✓	✓
1.67 MR7	✗	✓	✓	✓	✓	✓	✓	✓
1.59 Poly	✓	✓	✓	✓	✓	✓	✓	✓

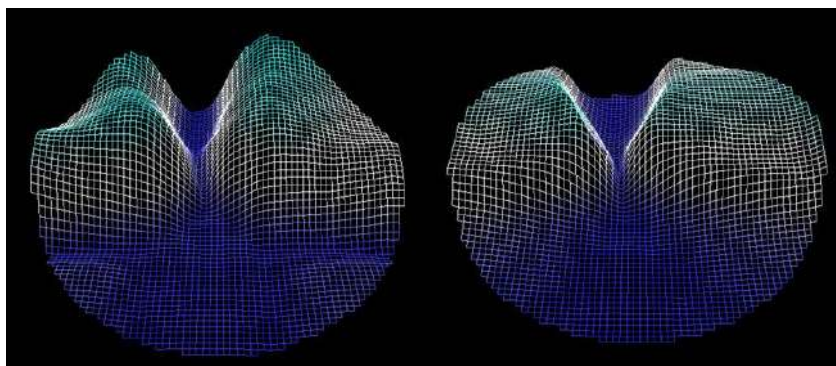
# *i*imprint<sup>TM</sup> *neo* Silver

Imprint<sup>TM</sup> Neo is a Multi-Directional lens optimized for the human eye, having up to 6,400 different visual angles analyzed with modern computer technology. These lenses are seldom absolutely 'hard' or absolutely 'soft', but rather strive for a balance between the two in order to achieve better overall utility. In order to improve dynamic peripheral vision, the features of a harder design are employed in the near periphery to ensure a wide field of near vision. This hybrid design is another approach that sensibly combines the best features of both philosophies.

## 3D Power Map



## 3D Design Map



## MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX	LOW REFLECTION	NightVision
1.5 CR-39 CLEAR	✓	✓	✓	✓	✓	✓	✓	✓	✓
1.53 TRIVEX/TRIOLOGY	✗	✓	✓	✓	✓	✗	✗	✓	✓
1.59 POLY/AIRWEAR	✗	✓	✓	✓	✓	✓	✓	✓	✓
1.61 (MR-8)	✗	✓	✓	✓	✓	✓	✓	✓	✓
1.67 (MR-7)	✗	✓	✓	✓	✓	✓	✓	✓	✓
1.74	✗	✓	✓	✓	✓	✗	✗	✓	✓
TRANSITIONS® GEN8 (1.50, 1.59, 1.61, 1.67, 1.74)	✗	✓	✓	✓	✓	✓	✓	✓	✓
DRIVEWEAR TRANSITIONS® GEN8 (1.5)	✗	✓	✓	✓	✓	✗	✗	✓	✓
POLARISED (1.50, 1.60, 1.67)	✓	✓	✓	✓	✓	✗	✗	✓	✓
BXM (1.50, 1.56, 1.60, 1.67, 1.74)	✓	✓	✓	✓	✓	✓	✓	✓	✓



Modern day lifestyle continues to be demanding as ever and involves fast transition of various environments such as office, home, outdoors environments and even handling handheld digital devices. Imprint HD lenses provide a more realistic contrast for active lifestyles. Whether a wearer spends a lot of time indoors or outdoors, they provide comfortable view under all conditions.

Imprint High Definition (HD) lenses combine the back surface design with frame parameters such as Panto-angle, BVD & wrap angle for the active lifestyle of the wearer. The users have a wide range of materials to choose from, (Indices 1.5 to 1.74 and Transitions VII, Polarized, Drivewear) as per their lifestyle.

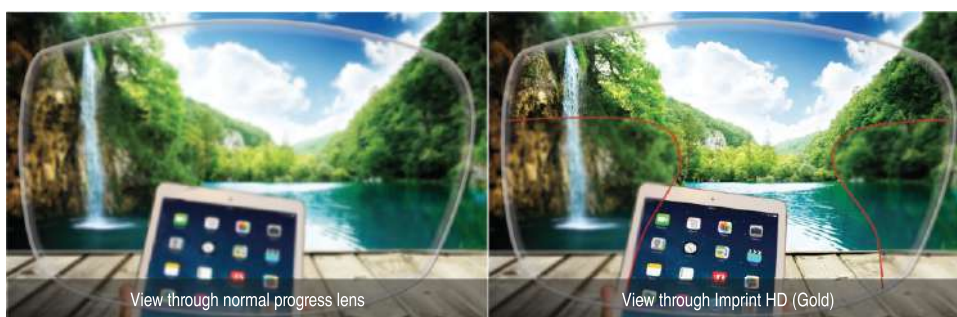
### Highlights

- Offers High Definition natural vision for the wearer.
- The lens comes with a non-adaptable guarantee.
- Wider and more stable near & far vision zones.
- High Performance through reduced unwanted astigmatism.
- It incorporates the latest Digital Ray Path Technology in lens manufacturing.

### Digital Ray Path Technology®

It computes the back surface of the lens through an optimized process, which results in a lens surface that is optimum, in relation to the wearers' prescription, psychological parameters and frame measurements.

### Visual Experience





# *i*imprint<sup>TM</sup>

## Individual Platinum



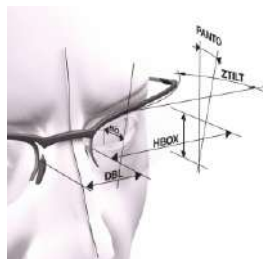
This is our most advanced and premium progressive lens. It has been developed using the advantages of Digital Ray Path Technology,<sup>®</sup> which gives an impression of the wearers' retina. A truly individualized lens that is customized according to the lifestyle and the individual parameters of the wearer.

It is mostly recommended for a user who leads a demanding lifestyle and is an experienced progressive lens wearer. It comes in three variants: Near, Distance & Balanced depending on the lifestyle of the user. Most often the powers are adjusted compensated w.r.t. the specific frame of the user and respective PD & PH (Pupillary Distance & Pupillary Height). Automatic inset personalization is also possible. It provides the best natural near and distant vision.

### Highlights

- Individualization includes customer initials on the lens.
- The lenses come with a non-adaptable guarantee.
- It incorporates the latest Digital Ray Path Technology in lens manufacturing.

### Personalisation



IPD	Monocular centration distance
SEGHT	Vertical pupil height measured from the lower boxed...
HBOX	Horizontal boxed lens size of frame
DBL	Distance between lenses
VBOX	Vertical boxed lens size of frame
PANTO	Pantoscopic angle
ZTILT	Wrapping angle
BVD	Back vertex distance
NWD	Near working distance

### Visual Experience



IP Balance Platinum

Personalised design maintaining a balance between far and near vision. It is highly recommended for users with a demanding lifestyle. It is the perfect all purpose progressive lens and is comfortable for all distances.



IP Near Platinum

Personalised design especially created for progressive lens users, mostly recommended for farsightedness. Clear vision and superior comfort for tasks like reading or model making.



IP Distance Platinum

Personalised design especially created for progressive lens users, mostly recommended for nearsightedness.

# IMPRINT PROGRESSIVE COMPARISON CHART

Progressive lenses: one lens for a combination of close up, mid-range and distance / far-vision



## STANDARD PROGRESSIVE

Conventional design  
Narrow field of vision

★★



## *iimprint* NEO (SILVER)

Advance modern design  
Good for beginners – Multipurpose  
Wide field vision

★★★



## *iimprint* 4K (GOLD)

More advanced design  
High Definition (HD) Lens  
Best natural vision from near to far  
Wider field Vision

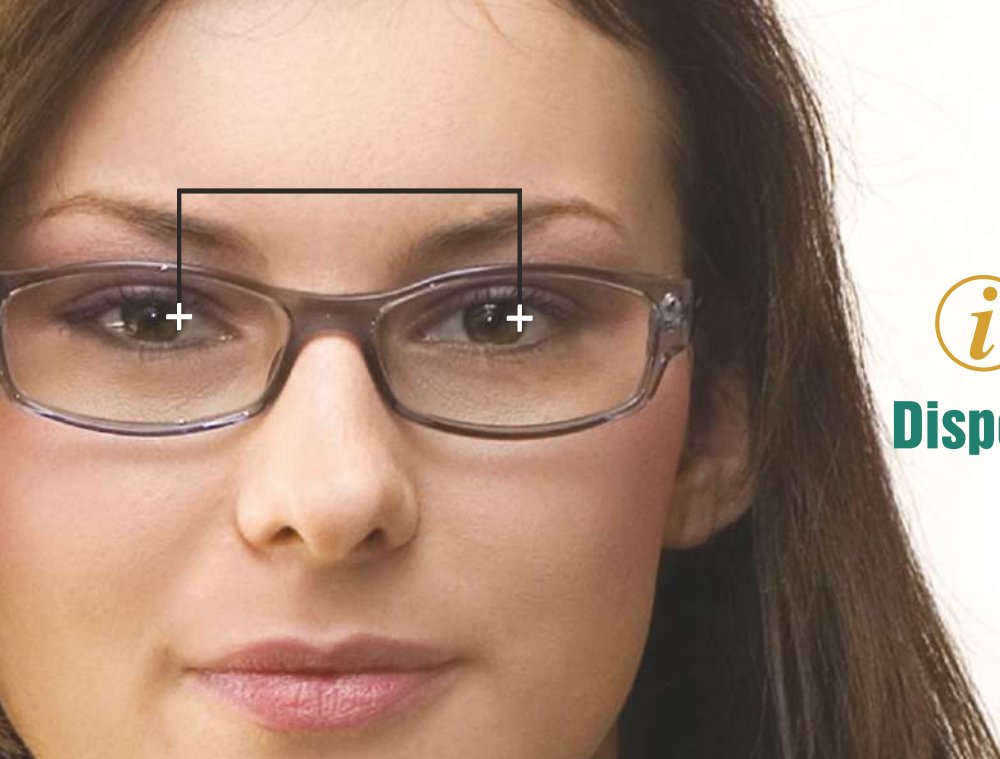
★★★★



## *iimprint* INDIVIDUAL (PLATINUM)

Individual design progressive  
For demanding – experienced user  
Bespoke Lens customized for lifestyle  
Widest field Vision

★★★★★



## *i*imprint<sup>™</sup> Dispensing Guide

The pointer must be positioned at the centre of the Pupil. This is very critical for Imprint New Silver, Imprint HD (Gold) and Imprint Platinum lens.

### Every individual is unique

Imprint Gold and Platinum Series lenses provide customization for the individual from the perspective of frame management (BVD), Z-Tilt, Pantoscopic angle and Wrap angle.



Incorporation of these parameters not only enhances viewing experience but also minimize head movements as desired by advance progressive user.

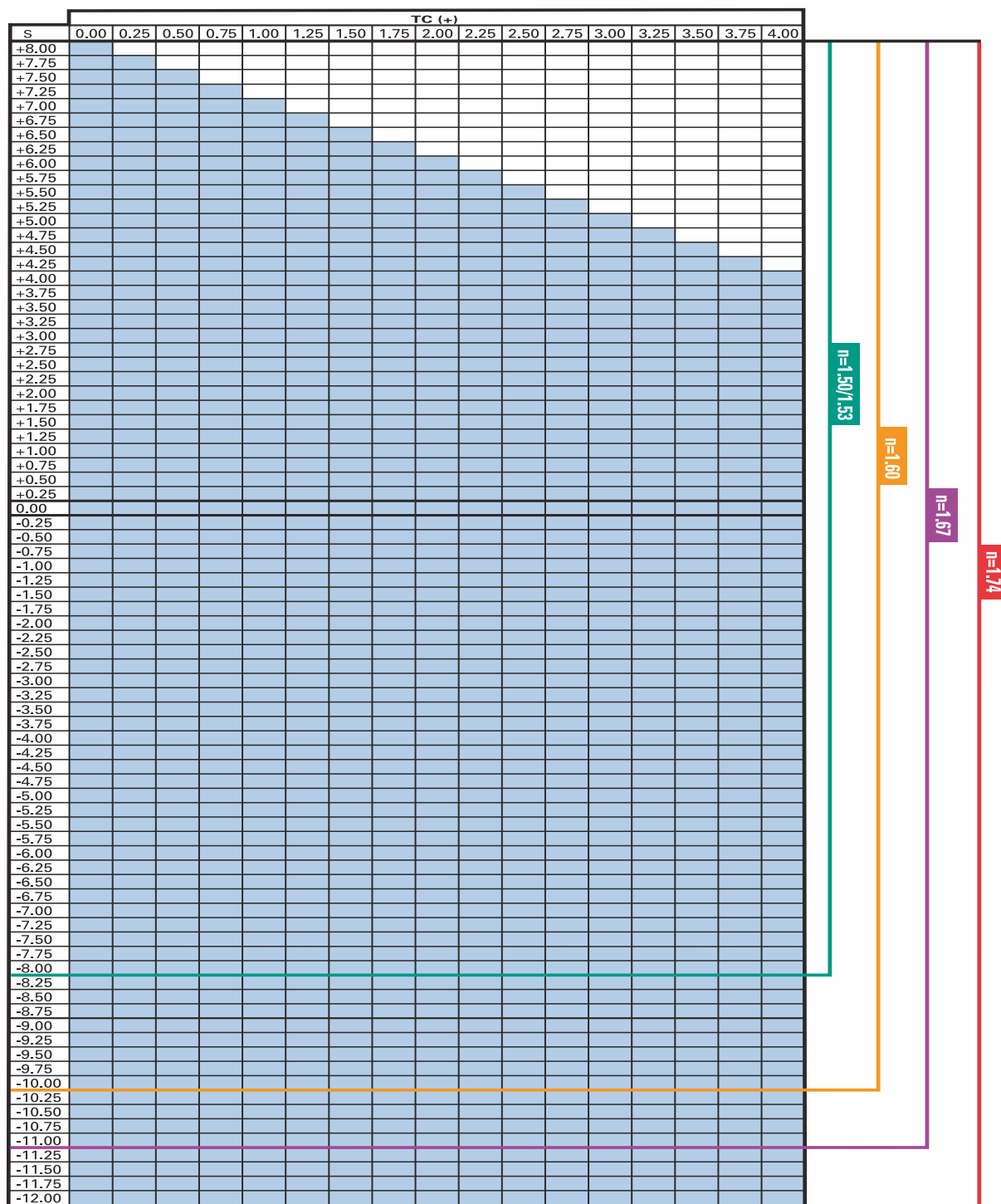


### Individual Parametric Range

Variable Inset	0-4mm
Panto Angle	0-25Degree
BVD	0-25 mm
Wrap angle	0-25 Degree



# *i*imprint™ SERIES POWER RANGE CHART



## Materials Available

- CR-39
- Organic 1.60
- Organic 1.67
- Organic 1.74
- Polycarbonate
- Trivex 1.53
- Transitions Gen8 1.50
- Transitions Gen8 1.6
- Transitions Gen8 1.67
- Transitions Gen8 Polycarbonate
- Drivewear
- Polarized 1.5, 1.60
- Polarized 1.67
- BXM (Blue Cut Monomer)



## OCCUPATIONAL LENSES

# ANTI-FATIGUE™



Spending hours reading or on the computer generally leads to eye strain and fatigue. The Free Form Anti Fatigue lens is specially designed for young users (18-38) whose day to day activities involve a lot of desk work. It is the latest generation of prescription lenses that are designed to ease eye strain.

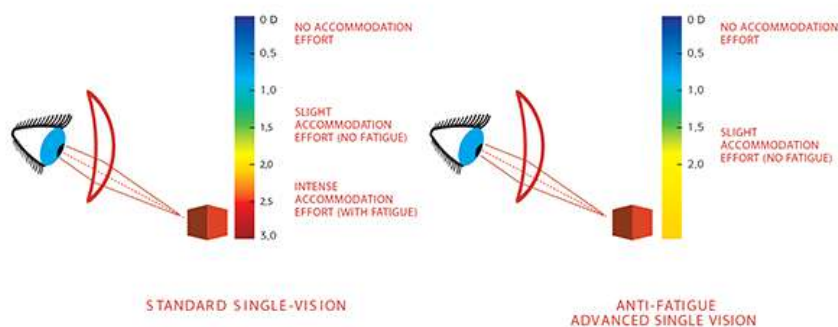
These lenses have a mild add (+0.40D, +0.60D, +0.80D & +1.00D) to provide visual comfort for day to day activities. They are beneficial for eyestrain, caused by long hours of desk & office work. These lenses are a replacement to single vision lenses, more suitable for the myopic.

### Benefits:

Suitable for both permanent and occasional wearers

- A slight boost in power of a low addition in the lower portion of the lens to reduce eyestrain during close up activities.
- Greater comfort than standard single vision lenses due to accommodative relief in the near vision.

### Measurement of near-vision accommodation effort



### MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX	LOW REFLECTION	NightVision
1.5	✓	✓	✓	✓	✓	✓	✓	✓	✓
1.6	✗	✓	✓	✓	✓	✓	✓	✓	✓
1.67	✗	✓	✓	✓	✓	✓	✓	✓	✓
1.74	✗	✓	✓	✓	✓	✗	✗	✓	✓
Transitions® Gen8 (1.5)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Photovision II (1.56, 1.6, 1.67)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Photovision 3 BXM (1.56, 1.6, 1.67)	✓	✓	✓	✓	✓	✓	✓	✓	✓





## OCCUPATIONAL LENSES

# DIGITAL OFFICE™



The Imprint™ Digital Office is a lens for intermediate field of vision and has all the benefits of Free-Form back surface lens technology. The design allows enhanced reading and intermediate vision while being dynamic. Based on the wearers requirements, any desired regression (dynamic) would allow a viewing distance of 0.80 up to 4.00 meters. The following 9 Regression Powers from -0.50 to -2.50 in steps of 0.25 Diopter, allows the optician to provide the correct intermediate vision needed by the wearer, along with excellent reading properties.

### Benefits:

- Perfect for wearers requiring high add powers (3.50 D)
- Ensures a smooth transition from Near to Intermediate vision.
- Digital surface accuracy provides easy adaptation and reduces eyestrain.
- Clear and sharp vision for computer and office work

Accommodation Distance with office Lenses in Meter [M]									
Prescribed Add. Power	Dynamic Regression of the Office Lens								
	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00	-2.25	-2.50
0.75	4.00	Infinity							
1.00	2.00	4.00	Infinity						
1.25	1.35	2.00	4.00	Infinity					
1.50	1.00	1.35	2.00	4.00	Infinity				
1.75	0.80	1.00	1.35	2.00	4.00	Infinity			
2.00		0.80	1.00	1.35	2.00	4.00	Infinity		
2.25			0.80	1.00	1.35	2.00	4.00	Infinity	
2.50				0.80	1.00	1.35	2.00	4.00	Infinity
2.75					0.80	1.00	1.35	2.00	4.00
3.00						0.80	1.00	1.35	2.00
3.25							0.80	1.00	1.35
3.50								0.80	1.00



### MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	BLUEX	LOW REFLECTION
CR-39 1.50	✓	✓	✓	✓	✓	✓	✓
MR-8 1.6	✗	✓	✓	✓	✓	✓	✓
ORGANIC 1.67	✗	✓	✓	✓	✓	✓	✓
POLYCARBONATE 1.59	✗	✓	✓	✓	✓	✓	✓
BXM 1.50, 1.56, 1.60, 1.67, 174	✗	✓	✓	✓	✓	✓	✓

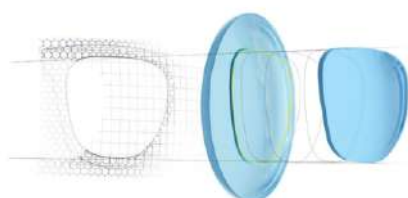
**iimprint™**

**NEO SPORTS**

Varifocal & Single Vision



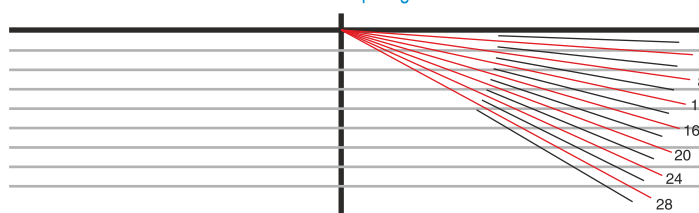
The Imprint™ Free-Form Digital Sports is individualized for the best possible correction for the active sports wearers. The lenses are suitable for 8 base or wraparound frames. The lenses are optimized for individual fitting parameters. The wide open field of vision is ideal for outdoor activities with excellent distance and intermediate fields of vision. Monocular PD's of the patient and wrap angle of the frame should be mentioned for optimized calculations. Back side Aqua coating is recommended.



#### Slim

Especially developed for plus prescriptions, Slim option considers the frame shape and applies a pronounced curvature from the frame limit to the lens edge. Effectiveness and aesthetics make the Slim option the best solution for medium and high positive prescriptions.

Dihedral/Wrap Angle Chart



#### MATERIALS SPECIFICATION

MATERIALS	UC	HC	HMC	AQUA	AQUA UV	NIGHT VISION	BLUEX	LOW REFLECTION
1.5 CR-39 CLEAR	✓	✓	✓	✓	✓	✓	✓	✓
1.53 TRIVEX/TRILOGY	✗	✓	✓	✓	✓	✗	✗	✓
1.59 POLY/AIRWEAR	✗	✓	✓	✓	✓	✓	✓	✓
1.61 (MR-8)	✗	✓	✓	✓	✓	✓	✓	✓
1.67 (MR-7)	✗	✓	✓	✓	✓	✓	✓	✓
1.74	✗	✓	✓	✓	✓	✗	✗	✓
TRANSITIONS® GEN8 (1.5, 1.59, 1.61, 1.67, 1.74)	✗	✓	✓	✓	✓	✓	✓	✓
DRIVEWEAR TRANSITIONS® GEN8 (1.5)	✓	✓	✓	✓	✓	✗	✗	✓
POLARISED (1.5, 1.60 / 1.67)	✓	✓	✓	✓	✓	✗	✗	✓
PHOTOVISION 3 BXM (1.5, 1.56, 1.6, 1.67)	✓	✓	✓	✓	✓	✓	✓	✓
BXM (1.50, 1.56, 1.6, 1.67, 1.74)	✓	✓	✓	✓	✓	✓	✓	✓



# iDrive

*Driving at night, now safer and more relaxed with iDrive Lenses.*

## Imprint iDrive™ Lens for Progressive Users

iDrive Progressive lens comes with NightVision™ coating and progressive design that can be customized as per the requirements of the users.

## PRODUCT RANGE

Imprint iDrive™	Imprint iDrive™ Individual
Coating on lens with Progressive Design	Coating on lens with Progressive Design
Comes with reflection limiting technology	Comes with reflection limiting technology
Free form technology for pleasant large fields of view	Free form technology for pleasant large fields of view
Effective optimization	Effective optimization
	Extra wide intermediate region
14mm, 16mm, 18mm	14mm, 16mm, 18mm
1.5 CR 39, 1.6, 1.67	1.5 CR 39, 1.6, 1.67

## Vision with NightVision™ Coating

- Reduces light reflection in the lens during night, particularly in the wavelength range.
- As light sources and reflective counter states retain their sharp contours - the glare appears reduced.

Imprint iDrive™



Imprint iDrive Individual



# NightVision™



## NightVision™ The Unique Coated Lens

The NightVision™ is developed with a special coating. This unique coating protects eyes from direct, strong glares and bright rays released from headlights, street lights during night time. The coating is good for soothing the eyes and it has minimal residual effect. It enhances vision, increases sharpness, thus making driving at night comfortable in all types of light conditions.

## Importance of NightVision™ Coating

NightVision™ coated lenses are must for those who spent most of their time driving or travelling at night. It is the ideal option for those who are fashion conscious people or teenagers who have recently started wearing lenses. The unique characteristics and properties of NightVision™ coated lenses are convincing for customers of all ages.

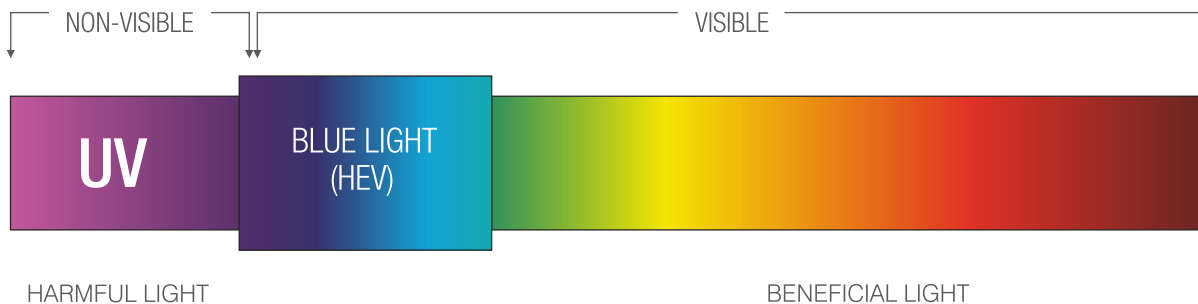
## The Uniqueness of NightVision™ Coating

- Its reflection limiting technology is a breakthrough innovation
- It reduces direct glares and enhances vision at night especially while driving
- It sharpens large fields of vision constantly
- The reflection is reduced up to 90% lower than the conventional eyewear glasses in plastic 1.6
- The reflection is reduced up to 50% less than the standard fully finished version glasses
- It balances light over stimulations and leaves contrasts more clearly



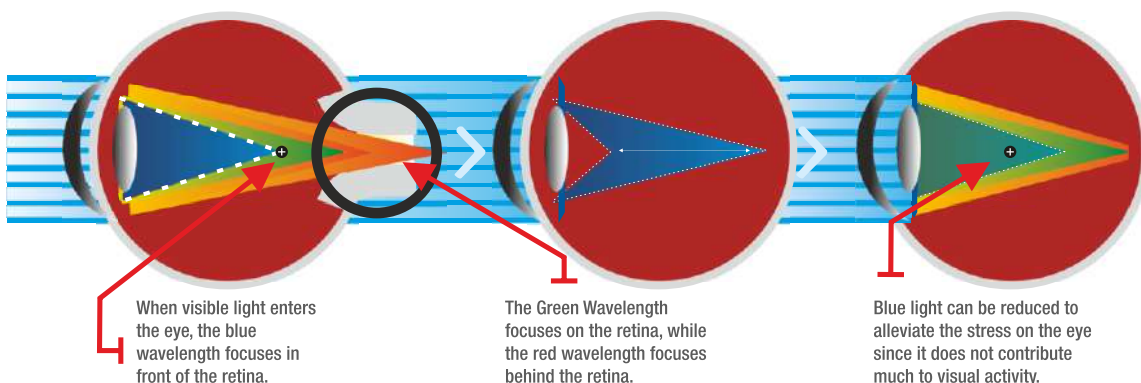
# BlueX™ COATING

In today's digital world use of digital devices has been a need for all. However, we are very little aware of the dangerous Blue Light, which emits from these devices that can causes eyestrain, eye fatigue, headaches, and discomfort over prolonged working period.



Blue Light is also detrimental to the contrast sensitivity as it is more broken than the remaining components of the light and is therefore perceived as stay light.

## How does Blue Light effect our eyes?



### STANDARD LENS VIEW

Standard lens are unable to block out unwanted Blue Light due to which wearer experiences glare and drop in contrast.



### VIEW WITH Blue X™ COATED LENS

BlueX™ Colored lenses reflect unwanted blue light enabling wearers to enjoy greater contrast and comfort.

**Highly recommended for all occupational lenses like digital office, anti-fatigue, and also for all single vision and digital purposes**

Progressive. Available in: FSV & Rx in 1.50, 1.56, 1.60 & 1.67 indexes

# COATINGS

## Brilliant UV with SPF for your eyes

The most advance GKB antireflective lens providing ultra-protection against harmful ultra violet rays which provides perfect clarity of vision.

### Protection against Ultra-Violet

- Just like a sunscreen is used to keep the sun's harmful UV rays from damaging our skin, UV treatment in lenses prevent those same rays from damaging our eyes.
- UV rays are involved in the development of cataracts, macular degeneration, retinal damage and other eye related problems. .
- Our eyes are always exposed to harmful UV rays all through the year. 40% of UV light reaches you when not in direct sunlight.

### Perfect Clarity of Vision

The Brilliant UV provides the best overall resistance against the 5 enemies of clear vision-

- Reflections
- Smudges
- Dust
- Scratches
- Water

## Mirror Coatings

Mirror coating has become very popular amongst outdoor sports enthusiasts. The colour and density is matched with the tint to enhance the wearer's visual comfort and performance.

**Application:** Outdoor / Sports/ Sunglasses. It is usually combined with Grey/Brown/G15 coloured Tint with 85% Intensity.



Red



Green



Yellow



Silver



Gold



Ocean Blue



Pink Panther



Ruby Red

# TINT COLOUR CHART

GKB offers a full range of tints. Whether you prefer solid tints or filters, graduated or bi-colour tints, you are sure to find the right one with us.

## Shade Cards



Brown-Grey 85%



Brown-Grey 65%



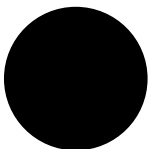
Brown-Grey 45%



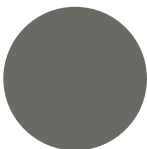
Brown-Grey 25%



Brown-Grey 12%



Black-Grey 85%



Black-Grey 65%



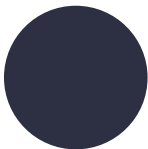
Black-Grey 45%



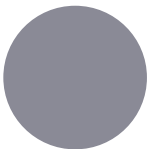
Black-Grey 25%



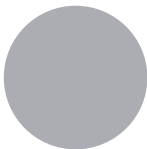
Black-Grey 12%



Blue-Grey 85%



Blue-Grey 65%



Blue-Grey 45%



Blue-Grey 25%



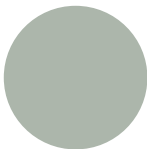
Blue-Grey 12%



G15 Grey Green 85%



G15 Grey Green 65%



G15 Grey Green 45%



G15 Grey Green 25%



G15 Grey Green 12%



GRADUAL G15



GRADUAL BROWN



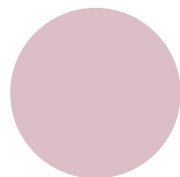
GRADUAL BLACK GREY



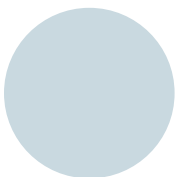
GRADUAL SKYBLUE



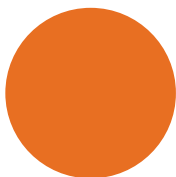
GRADUAL SATINROSE



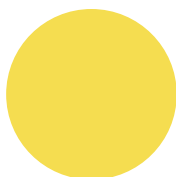
SATINROSE



BLUE



SHOOTER ORANGE



SHOOTER YELLOW



# COATINGS

## Aqua & Aqua+UV

Aqua & Aqua+UV provide unsurpassed visual clarity by eliminating glare, smudges, dust and scratches.

### Anti-reflective properties

Optimized vision with better contrast during the day and enhanced vision comfort at night. Aqua & Aqua+UV eliminate bothersome reflections of light on the surface of lens while improving the appearance of the glasses.



WATER



REFLECTIONS

### Anti-smudge properties

Aqua+UV hydrophobic (water-repellent) and oleo phobic (grease-repellent) properties prevent smudges from spreading across the lens. These properties make the lens more stain resistant, reducing the need to clean them on a regular basis.



SMUDGES

### Anti-dust properties

Standard lenses tend to attract dust due to the presence of static. The Aqua & Aqua+UV lenses come with specially designed anti static properties that repel dust.



DUST

### Anti-scratch properties

Lens surfaces are usually susceptible to scratches, which adversely affect vision clarity. Aqua & Aqua+UV lenses provide unrivalled scratch resistance protecting your lens from daily wear and tear and offering optimal vision clarity.

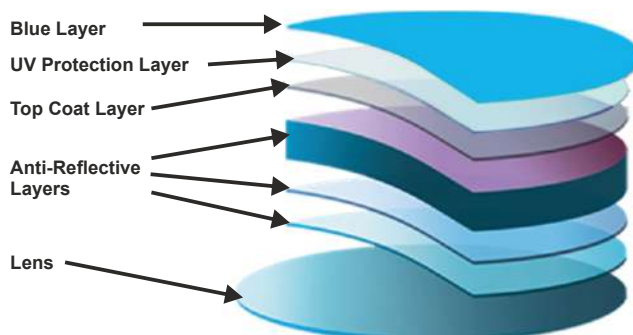


SCRATCHES

### Technology

The Aqua+ range of lens coatings are designed using state-of-the-art- technological solutions. Perfectly integrated, these solutions enable coatings that are compact, uniform and durable, yet thinner than a single strand of hair. Blue top Coat layer in Aqua+UV is meant for Anti Smudge during edging and mounting. The layer can be easily cleaned by a soft micro fiber cloth.

### Set up of the Aqua+UV lens with surface protection film.



Smudges on ordinary coated lens    Smudges free view on Aqua+



Water on ordinary coated lenses    Water repellent coating on Aqua+



Dust on ordinary coated lenses    Anti-Static dust repellent coating on Aqua+



# EDGING AND MOUNTING

*State of the art facility for unmatched quality and delivery*

## Remote Edging

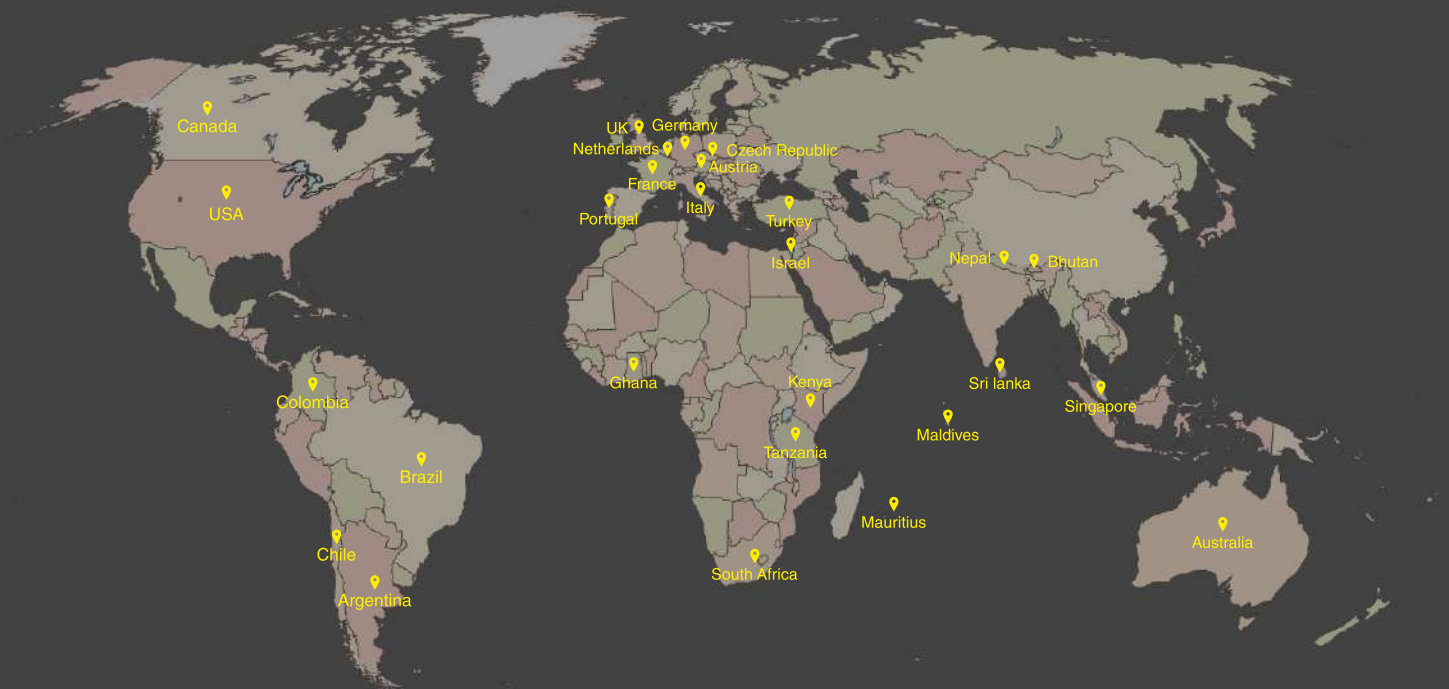
With easy remote traces that can be placed through our remote edging software, we now offer this high service oriented facility for all our customers. The high technology driven trace receiving hardware and the user friendly web oriented software makes it convenient for our customers to open a web based account with us and send traces from any VCA compatible tracers.

## Complete spectacle packaging and logistics

For our clients working in the retail and internet scope, GKB provides a complete back-to-back solution from order receipt to deliverance with details of end users on the packaging. All information can be seamlessly integrated by our IT expertises. A tailor-made solution fitting your needs can be done in this scope. Even end location logistics with partners like UPS, TNT, and DHL or Fed-ex can also be organized at GKB.







## GKB OPTIC TECHNOLOGIES PVT. LTD.

129 G/19,20,21 Noida Special Economic Zone (NSEZ), Noida (NCR) Pincode : 201305, UTTAR PRADESH (INDIA)

Phone : +91 120 4540020, 4540021 | Fax : +91 120 4283223 | Mobile: +91-9717795526

[www.gkboptic.com](http://www.gkboptic.com)