

# MAC LENS

## PRODUCT GUIDE



# MAC TRIFOCAL

Single Piece  
Hydrophobic Trifocal Intraocular Lenses

# MAC TORIC

Single Piece  
Hydrophobic Toric Intraocular Lenses

Model	MAC TRI 61250	MAC MFT 6120
Powers	+5.0 D to 34.0 D in 0.5 diopter increments	
Diameter	6.00 mm	
Shape	Biconvex, Anterior Diffractive, Posterior Aspheric Biconvex, Anterior Toric Aspheric Surface	
Material	UV-Blocking Hydrophobic Acrylic	
Refractive Index	1.4933	
Chromatic Abberation	55	
Edge Design	Continuous 360° Posterior Square Edge	
SRK II / SRK/T A.Const	118.8 / 117.88	
Overall Length	12.50 mm	
Style	C	
Material	UV-Blocking Hydrophobic Acrylic	
Design	Haptics Offset from Optic	
Add Power	+3.00 D, +3.50 D, +4.00 D	
Intermediate Power	+1.50 D, +1.75 D, +2.00 D	



### Diopter Range:

Cylinder Power 1.5 D to 6.0 D in 0.5 Increments  
Spherical Power 10.0 D to 35.0 D in 0.5 Increments

Model Nos:	Lens Model	In IOL Plane	In Corneal Plane
	MO-T-615(1.5)	1.5	1.03
	MO-T-615(2.0)	2.0	1.37
	MO-T-615(2.5)	2.5	1.71
	MO-T-615(3.0)	3.0	2.05

# MAC PHOBIC

Hydrophobic Aspheric Foldable intraocular Lens  
with 360° Square Edge

# MAC PHOBIC

Hydrophobic Yellow Aspheric Foldable intraocular Lens  
with 360° Square Edge

Model	MPH 6125SQ	MPH 6125SQ-Y
Optic Diameter	6.00 mm	6.00 mm
Overall Diameter	12.50 mm	12.50 mm
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	"C" design, 0° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	118.0	

Model	MPH 6130	MPH 6130-Y
Optic Diameter	6.00 mm	6.00 mm
Overall Diameter	12.50 mm	12.50 mm
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	"C" design, 0° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	118.0	

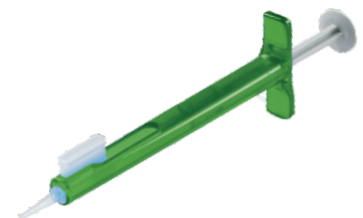
Mac Jet **Preloaded Injector System** is specially designed for smoother and safer delivery of acrylic foldable IOL.

Mac Jet **Non-Preloaded Injector System** is for smoother and safer delivery of Hydrophobic foldable IOL.

Mac Jet injector system deliver the IOL from **1.80 mm to 2.60 mm Incision** with various cartridges.

Click-lock mechanism thereby securing the lens in the exact position for a perfect lens delivery into the eye

Lens insertion is gentle and without the lens wedging or twisting ensures a controlled release, and consequently a precise positioning in the eye

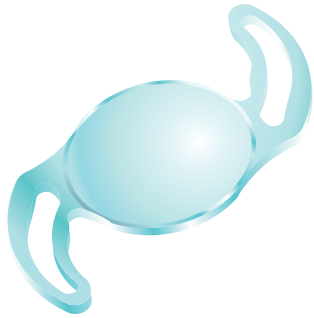


# MAC FOLD

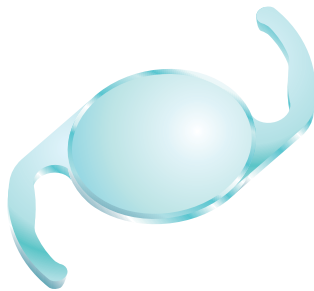
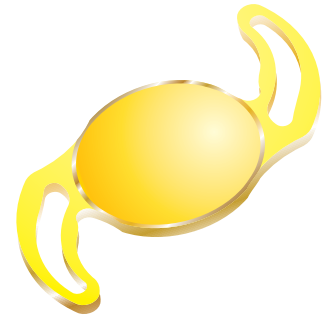
Aspheric surface with 360° Square Edge optics  
Hydrophilic Acrylic foldable IOL

# MAC FOLD

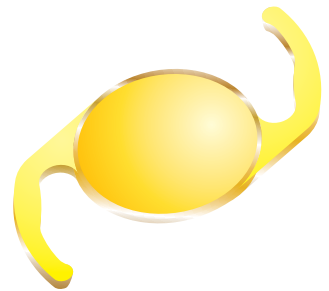
Aspheric surface with 360° Square Edge optics  
YELLOW Hydrophilic Acrylic Foldable IOL



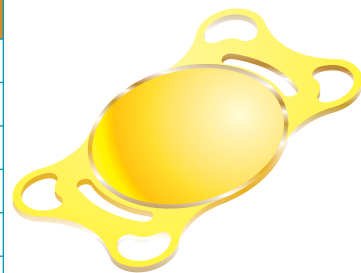
Model	MFR 573SQ	MFR 573SQ-Y	MFR 6125SQ	MFR 6125SQ-Y
Optic Diameter	5.75 mm		6.00 mm	
Overall Diameter	12.50 mm			
Optic Design	Aberration Neutral, Negative Aspheric Biconvex			
Haptic Design	Double Haptics "C", 5° Angulation			
PCO Protection	360° perfect Square edge around the optic edge			
Suggested A. Constant	+ve power Range: 118, -ve Power Range : 117.4			



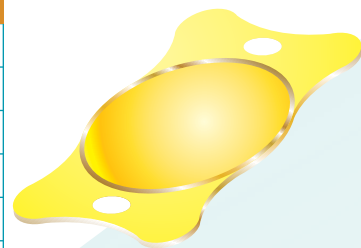
Model	MFR 6125SQ	MFR 6125SQ-Y	MFR 6130SQ	MFR 6130SQ-Y
Optic Diameter	6.00 mm		6.00 mm	
Overall Diameter	12.50 mm		13.00 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex			
Haptic Design	"C" design, 5° Angulation			
PCO Protection	360° perfect Square edge around the optic edge			
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4			



Model	MFR 6011SQ	MFR 6011SQ-Y
Optic Diameter	6.00 mm	
Overall Diameter	11.00 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	4-Point Fixation, 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



Model	MFR 6010SQ	MFR 6010SQ-Y
Optic Diameter	6.00 mm	
Overall Diameter	10.60 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	Plate Haptics , 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



Mac Fold Lenses

- ✓ Natural Yellow Hydrophilic Acrylic, 26% Water content with UV filter, UV-A (violet light and dark blue light) filter and allowing healthy blue spectrum light in.
- ✓ Preserving the natural colour perception, contrast sensitivity and protecting the retina .
- ✓ 360 ° Sharp Edge around the whole outline of the optic reduces the cell adhesion for highest possible PCO prevention.
- ✓ Better visual acuity and Enhanced contrast even at night mode.



IOL with Residual Spherical Aberration Mac Fold Yellow Aspheric Aberration neutral Yellow optics better visual performance in nighttime.

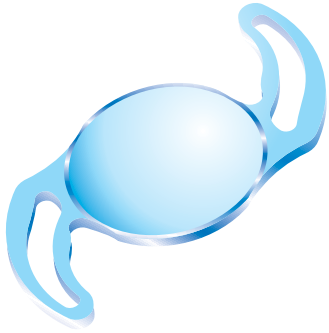
- ✓ Negative Spherical aberration Aspheric surface - Compensates the positive spherical aberration of Cornea.
- ✓ Enhancing functional vision under low light condition
- ✓ The lens design ensures smooth insertion, perfectly center and ultimate stability inside the eye.

# MAC FOLD

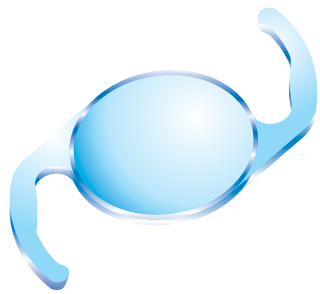
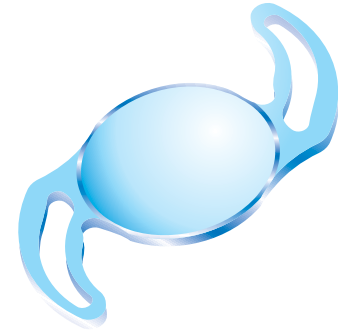
Hydrophilic acrylic Foldable Intraocular lens  
with 360° Square Edge optics

# MAC JET

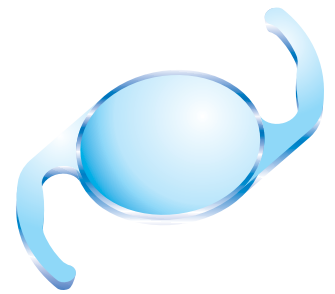
Single use lens delivery injector and cartridge system



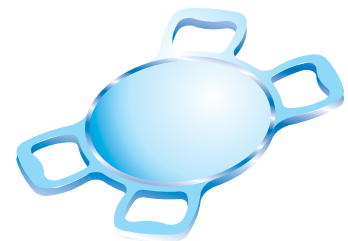
Model	MFR 573	MFR 6125-R
Optic Diameter	5.75 mm	6.00 mm
Overall Diameter	12.50 mm	
Optic Design	Spherical Biconvex	
Haptic Design	Double Haptics "C", 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



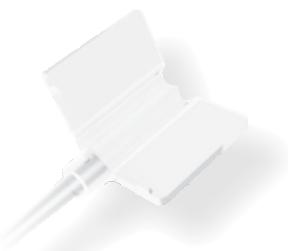
Model	MFR 6125	MFR 6130
Optic Diameter	6.00 mm	6.00 mm
Overall Diameter	12.50 mm	13.00 mm
Optic Design	Spherical Biconvex	
Haptic Design	"C" design , 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



Model	MFR 6011	MFR 6010
Optic Diameter	6.00 mm	6.00 mm
Overall Diameter	11.00 mm	10.50 mm
Optic Design	Spherical Biconvex	
Haptic Design	4-Point Fixation , 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



## Mac Jet Injector and Cartridge system

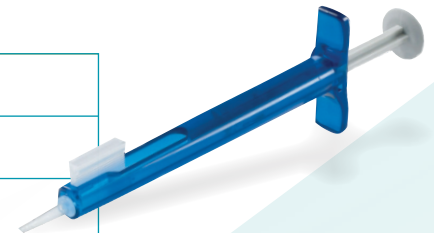


Mac Jet disposable injector system is specially designed for smoother and safer delivery of acrylic foldable IOL.

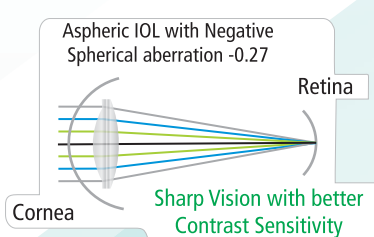
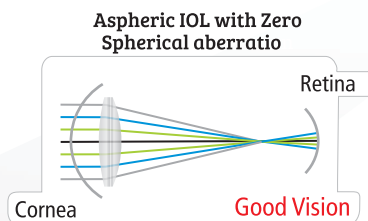
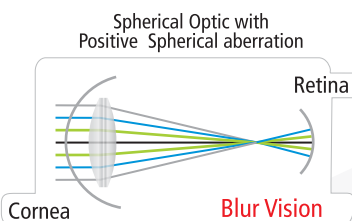
Mac Jet injector system deliver the IOL from 1.8 mm to 2.8 mm incision with various cartridges.

Click-lock mechanism thereby securing the lens in the exact position for a perfect lens delivery into the eye

Lens insertion is gentle and without the lens wedging or twisting ensures a controlled release, and consequently a precise positioning in the eye



## SPHERICAL ABERRATION OF MONOFOCAL IOL



**E** IOL with Residual Spherical Aberration

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**E** **MAC FOLD** Aberration Neutral Yellow Optics better visual performance in night time.

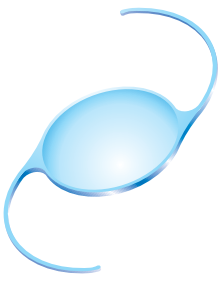
- ✓ Natural Yellow Hydrophilic Acrylic, 26% Water Content with UV filter
  - ✓ UA-A(Violet light and dark blue light) filter and allowing healthy blue spectrum light in
  - ✓ Powers Available : - 10.0 D to +40.0 D      ✓ Better visual acuity and Enhanced contrast even at night mode.
- (+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)

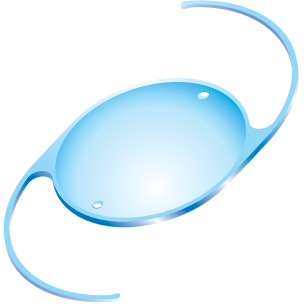
# MAC LENS

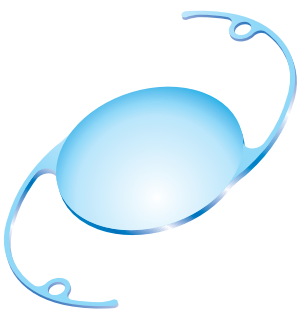
PMMA Single Piece Posterior Chamber and Anterior Chamber Intraocular lens

# MAC RING

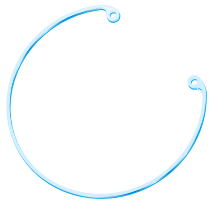
PMMA Single Piece Capsular Tension Ring and Advance Capsular Tension Ring


	Model	MAC 55		MAC 55
	Optic Diameter	5.00 mm		5.50 mm
	Overall Diameter	12.50 mm		12.50 mm
	Optic Design	Spherical Biconvex		
	Haptic Design	"C" Design with Step Vault		
	Dialing Holes	Nil		
	Suggested A.Constant	118.4		

	Model	MAC 63H	MAC 64H	MAC 65H
	Optic Diameter	6.00 mm	6.00 mm	6.50 mm
	Overall Diameter	12.50 mm	13.00 mm	13.00 mm
	Optic Design	Spherical Biconvex		
	Haptic Design	"C" design with Step Vault		
	Dialing Holes	Two		
	Suggested A.Constant	118.2		

	Model	MAC SF 65	MAC AC 63
	Optic Diameter	6.50 mm	6.00 mm
	Overall Diameter	13.50 mm	12.50 mm
	Optic Design	Spherical Biconvex	Spherical Biconvex
	Haptic Design	"C" design with Step Vault	"S" design with Step Vault
	Dialing Holes	Nil	Nil
	Suggested A.Constant	118.2	115.3

## PMMA Capsular Tension Ring and Advance Capsular Tension Ring

	Model	MR1109	MR1210	MR 1311	MR 1412	MR1210L	MR1311L
	Overall Diameter	11.0 mm	12.0 mm	13.0 mm	14.0 mm	12.0 mm	13.0 mm
	Insertion Diameter	09.0 mm	10.0 mm	11.0 mm	12.0 mm	10.0 mm	11.0 mm
	Fixation Hook	Nil				Left side with Step Vault	
	Material	CQ- PMMA Clear / Blue					

	Model	MR 1210R	MR 1311R	MR 1210LR	MR 1311LR
	Overall Diameter	12.0 mm	13.0 mm	12.0 mm	13.0 mm
	Insertion Diameter	10.0 mm	11.0 mm	10.0 mm	11.0 mm
	Fixation Hook	Right Side with Step Vault		Both Side with Step Vault	
	Material	CQ- PMMA Clear / Blue			

### PMMA Intraocular lens

- ✓ CQ PMMA - Clinical Quality material with UV filter ensuring adequate UV protection.
- ✓ Powers Available : - 10.0 D to +40.0 D  
(+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)
- ✓ Sterilized by Ethylene Oxide

### PMMA Capsular Tension Ring

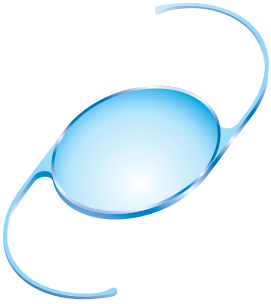
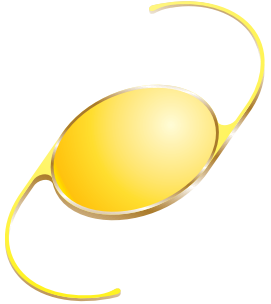
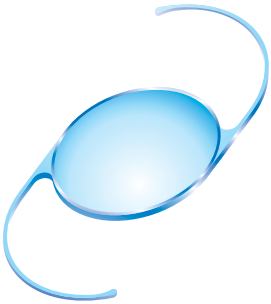
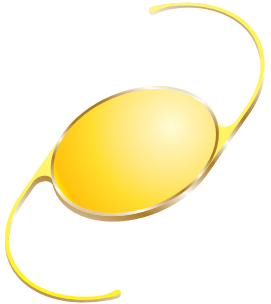

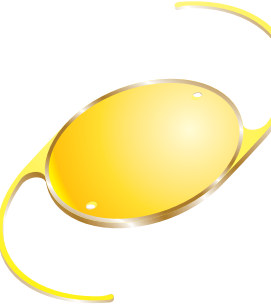

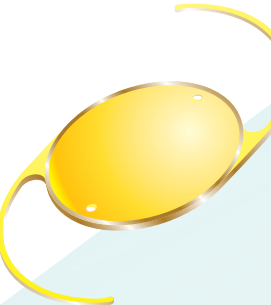
- ✓ CQ PMMA - Clinical Quality material with UV filter  
Clear and Blue colors available.
- ✓ Advanced Capsular tension rings are single or double fixation hooks specially designed for scleral fixation with suture.
- ✓ Circular expansion and stabilization of the periphery of the capsular bag
- ✓ Reduced risk of capsular fibrosis and shrinking
- ✓ Safe IOL centration in eyes with zonular dehiscence

# MAC LENS

Aspheric Surface With 360° Square Edge Optics  
PMMA Intraocular lens

# MAC LENS

Aspheric Surface With 360° Square Edge Optics  
Yellow PMMA Posterior Chamber Intraocular lens

	Model	MAC 54HSQ	MAC 54HSQY	
	Optic Diameter	5.25 mm		
	Overall Diameter	12.50 mm		
	Optic Design	Aberration Neutral, Negative Aspheric Biconvex		
	Haptic Design	"C" Design with Step Vault		
	PCO Protection	360° perfect Square edge around the optic edge		
	Suggested A.Constant	118.4		
	Model	MAC 53HSQ	MAC 53HSQY	
	Optic Diameter	5.50 mm		
	Overall Diameter	12.50 mm		
	Optic Design	Aberration Neutral, Negative Aspheric Biconvex		
	Haptic Design	"C" Design with Step Vault		
	PCO Protection	360° perfect Square edge around the optic edge		
	Suggested A.Constant	118.4		
	Model	MAC 63HSQ	MAC 63HSQY	
	Optic Diameter	6.00 mm		
	Overall Diameter	12.50 mm		
	Optic Design	Aberration Neutral, Negative Aspheric Biconvex with 2 Holes		
	Haptic Design	"C" design with Step Vault		
	PCO Protection	360° perfect Square edge around the optic edge		
	Suggested A.Constant	118.4		
	Model	MAC 62HSQ	MAC 62HSQY	
	Optic Diameter	6.00 mm		
	Overall Diameter	13.00 mm		
	Optic Design	Aberration Neutral, Negative Aspheric Biconvex with 2 Holes		
	Haptic Design	"C" design with Step Vault		
	PCO Protection	360° perfect Square edge around the optic edge		
	Suggested A.Constant	118.2		

- ✓ Single Piece Posterior Chamber with posterior Side Square edge and rounded Anterior Edge.
- ✓ Aberration neutral aspheric lenses are designed with uniform power from center to edge and reduced glare & glistening
- ✓ 360 ° Sharp Edge around the whole outline of the optic reduces the cell adhesion for highest possible PCO prevention.
- ✓ The Haptics design with step vault ensures, better contact with the capsular bag and better centration post operatively .
- ✓ Powers Available : - 10.0 D to +40.0 D  
(+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)
- ✓ Optics are Yag Laser compatible.
- ✓ Sterilized by Ethylene Oxide