

# I-PURE



## PRODUCT GUIDE



# I-PURE TRIFOCAL

Single Piece  
Hydrophobic Trifocal Intraocular Lenses

# I-PURE TORIC

Single Piece  
Hydrophobic Toric Intraocular Lenses

Model	IP TRI 121	IP TOR 122
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

# I-PURE PHOBIC

Hydrophobic Aspheric Foldable intraocular Lens  
with 360° Square Edge

# I-PURE PHOBIC

Hydrophobic Yellow Aspheric Foldable intraocular Lens  
with 360° Square Edge

Model	IP 111 PHA	IP 111 PHYAS	
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		
A.Constant	Ultrasound	Optical Biometry	
	SRK/T	117.8	118.8
	SRK/II	118.1	119.1
	Ultrasound	Optical Biometry	
	SRK/T	118.3	118.5
	SRK/II	118.6	118.8

Model	IP 112 PHA	IP 112 PHYAS	
Optic Diameter	6.00 mm	6.00 mm	
Overall Diameter	13.00 mm	13.00 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex		
Haptic Design	"C" design, 0° Angulation		
PCO Protection	360° perfect Square edge around the optic edge		
A.Constant	Ultrasound	Optical Biometry	
	SRK/T	117.8	118.8
	SRK/II	118.1	119.1
	Ultrasound	Optical Biometry	
	SRK/T	118.3	118.5
	SRK/II	118.6	118.8



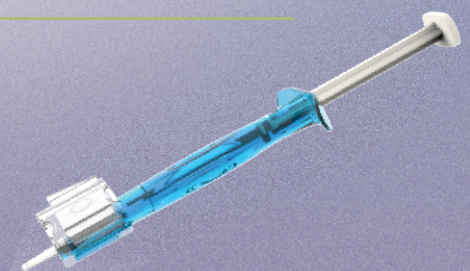
I-Jet **Preloaded Injector System** is specially designed for smoother and safer delivery of acrylic foldable IOL.

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

I-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



# I-PURE FOLD

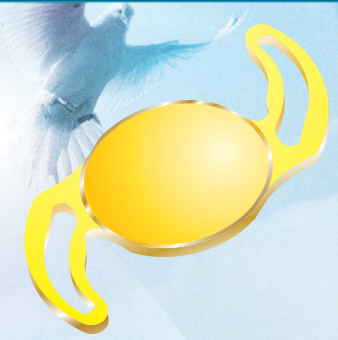
Aspheric surface with 360° Square Edge optics  
Hydrophilic Acrylic foldable IOL

# I-PURE GOLD

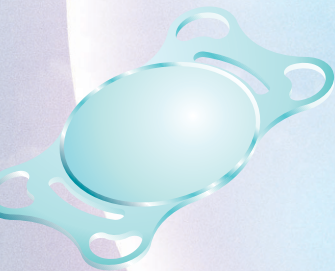
Aspheric surface with 360° Square Edge optics  
YELLOW Hydrophilic Acrylic Foldable IOL



Model	IP 109SQ	IP 110SQYASP	IP 107SQ	IP 108 SQYASP
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			



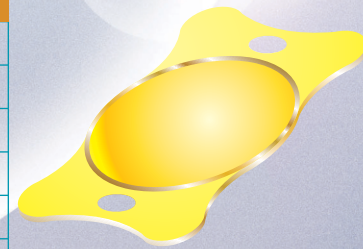
Model	IP 131SQ	IP 131SQ YASP	IP 132 SQ	IP 132 SQYASP
Optic Diameter	6.00 mm		6.00 mm	
Overall Diameter	12.50 mm		13.00 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex			
Haptic Design	"C" design, 5° Angulation			
PCO Protection	360° perfect Square edge around the optic edge			
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4			



Model	IP 133 SQ	IP 133 SQYASP
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	IP 134 SQ	IP 134 SQYASP
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	



Standard Aspheric optics IOL



**I-PURE Fold Lenses** Aberration neutral optics  
Peak visual Performance under low light

- ✓ 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.

- ✓ 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.



IOL with Residual Spherical Aberration I-PURE Fold Yellow Aspheric Aberration neutral Yellow optics better visual performance in night time.

# I-PURE FOLD

Hydrophilic acrylic Foldable Intraocular lens  
with 360° Square Edge optics

# I-JET

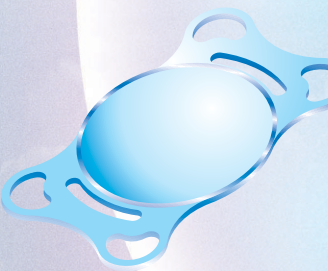
Single use lens delivery injector and cartridge system



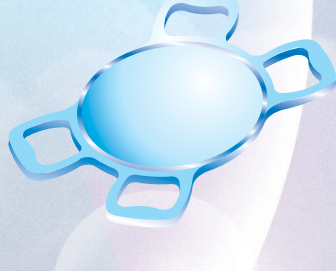
Model	IP 109SQ	IP 107SQ
Optic Diameter	5.75 mm	6.00 mm
Overall Diameter	12.50 mm	
Optic Design	Spherical Biconvex	
Haptic Design	Double Haptics "C", 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



Model	IP-131SQ	IP 132SQ
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	IP 133SQ	IP 138SQ
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	



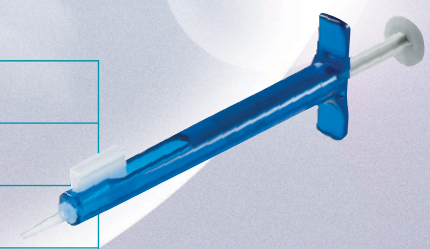
## I- Jet Injector and Cartridge system

I- 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.

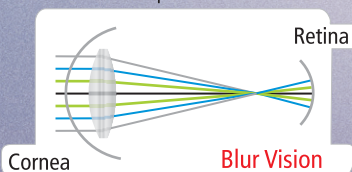
Click-lock mechanism thereby securing the lens in the exact position for a perfect lens delivery into the eye

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

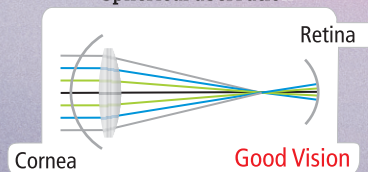


## SPHERICAL ABERRATION OF MONOFOCAL IOL

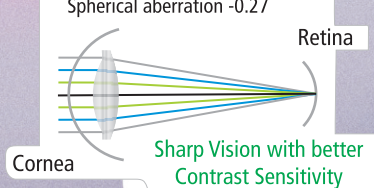
Spherical Optic with Positive Spherical aberration



Aspheric IOL with Zero Spherical aberration



Aspheric IOL with Negative Spherical aberration -0.27



**E** IOL with Residual Spherical Aberration

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**E** **I-PURE FOLD** Aberration Neutral Yellow Optics better visual performance in night time.

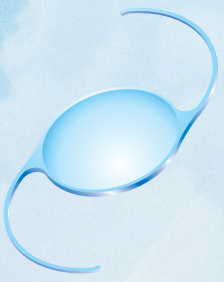
- ✓ Natural Yellow Hydrophilic Acrylic, 26% Water Content with UV filter
  - ✓ UA-A(Violet light and dark blue light) filter and allowing healthy blue spectrum light in
  - ✓ Powers Available : - 10.0 D to +40.0 D     ✓ Better visual acuity and Enhanced contrast even at night mode.
- (+10.0 D to +30.0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


# I-PURE LENS

PMMA Single Piece Posterior Chamber and Anterior Chamber Intraocular lens

# I-PURE RING

PMMA Single Piece Capsular Tension Ring and Advance Capsular Tension Ring

	Model	IP 105A	IP 103A
	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	IP 106A	IP 107A	IP 108A
	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	IP 109 SF	IP 104 AC
	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	IP 1109	IP 1210	IP 1311	IP 1412	IP 1210L	IP 1311L
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	IP 1210R	IP 1311R	IP 1210LR	IP 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

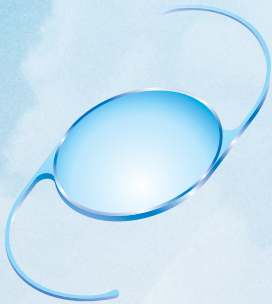

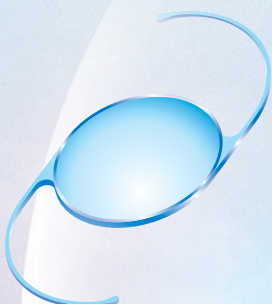


- ✓ CQ PMMA - Clinical Quality material with UV filter  
Clear and Blue colors available.
- ✓ Advanced Capsular tension rings are single or double fixation hooks specially designed for scleral fixation with suture.
- ✓ Circular expansion and stabilization of the periphery of the capsular bag
- ✓ Reduced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

# I-PURE LENS

Aspheric Surface With 360° Square Edge Optics  
PMMA Intraocular lens

# I-PURE LENS

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

	Model	IP 140SQA	IP 140SQYASP	
	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	IP 141SQA	
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	IP 142SQA	IP 142SQYASP
	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	IP 143SQA	IP 143SQYASP
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		

- ✓ CQ PMMA- Bio-compatibility material with UV filter ensuring adequate UV protection.
- ✓ 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.
- ✓ 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

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