



S.G.POLYMER

Our Company

Founded by a technocrat having sound knowledge in polymers and various moulding techniques in the year 1997.

Our company having the credential of ISO 9001: 2015 & ISO 13485 : 2016

We have clean room facility under class 10,000 and product assembled under Laminar Air Flow (LAF) class 100.

Having in house facilities of tool design, R & D and mould making.

*OEM supplier of many medical industries and high tech components
Particularly in ophthalmology disposables*

FRONT HAPTIC AUTO FOLDING PRE LOADED IOL INJECTOR

Patent pending

SG Pre Loaded Oval injectors made with special material to handle exclusive Hydrophobic IOL. It is so designed to deliver the IOL in silk smooth manner, which will ease the surgeon's procedure



SG Pre Loaded Oval Cartridge 240
(Suitable for Hydrophobic IOL incision 2.40mm)

Product	Reference	Incision Size (mm)		
		wound-assisted	into-the-wound	into-the-bag
Pre- Loaded Oval Cartridge 240	PLOCA240PK	2.1 - 2.2	2.2	2.4

*Incision Size Varies based on surgical techniques

Advantages

Design

- Ergonomic model considering the physician requirements
 - Soft sliding effect during injection
- The piston is having a special lock, so that it will prevent the movement of pusher in the idle/packed condition
- Injector body having telescopic guides for the proper straight linear motion during injection of IOL.
- The Advantage of Front Haptic auto folder is to prevent risk and damaged to the Capsular Bag.
- When the Piston Pushes the Lens through the pusher, Front Haptic auto folder automatically fold the Front Haptic of the IOL and deliver the Lens into the Capsular Bag.

General

- SG Pre Loaded Oval injectors are specially designed for safe and smooth delivery of IOL.
- Cartridge & pusher are made of **Bio Compatible** polymers.
- Colors of customer's choice.

**** Custom size IOL Cartridge can be made to suit your IOL and its haptic design**

SEMI PRE LOADED IOL INJECTOR

SG Semi Pre Loaded injectors made with special material to handle exclusive Hydrophobic IOL. It is so designed to deliver the IOL in silk smooth manner, which will ease the surgeon's procedure.



Product	Reference	Incision Size (mm)		
		wound-assisted	into-the-wound	into-the-bag
SPL Cartridge 240	SPLCA240AB	2.1	2.2	2.4
SPL Cartridge 220	SPLCA220AB	1.9	2.2	2.4

*Incision Size Varies based on surgical techniques

Advantages

Design

- Top loading of cartridges for more safety
- Front haptic folding mechanism manually for safety deliver
- Ergonomic model considering the physician requirements
 - Soft sliding effect during injection
 - Injector body having telescopic guides for the proper straight linear motion during injection of IOL.

General

- SG Semi Pre Loaded injectors are specially designed for safe and smooth delivery of IOL into the capsular bag.
- Cartridge & pusher are made of **Bio Compatible** polymers.

(Supply can be made non sterile bulk packing and colors of customer's choice)

DIRECT LOADING IOL INJECTOR

Patent pending

SG Direct Loading injectors having different design to deliver Hydrophilic IOLs, It is so designed to deliver the IOLs in smooth manner, which will ease loading IOL procedure during surgery



SG Direct Loading Cartridge 240
(Suitable for Hydrophilic IOL incision 2.40mm)

Product	Reference	Incision Size (mm)		
		wound-assisted	into-the-wound	into-the-bag
Direct Loading Aero Cartridge 240	DLACA240PK	2.1	2.4	2.6

*Incision Size Varies based on surgical techniques

Advantages

Design

- Top loading of cartridges for more safety
- Direct loading of IOLs, folding of IOL is not necessary, safety for the haptics
- Ergonomic model considering the physician requirements
 - Soft sliding effect during injection
 - The piston is having a special lock, so that it will prevent the movement of pusher in the idle/packed condition
 - Injector body having telescopic guides for the proper straight linear motion during injection of IOL.

General

- SG Direct Loading injectors are specially designed for safe and smooth delivery of IOL.
- Cartridge & pusher are made of **Bio Compatible** polymers

**** Custom size IOL Cartridge can be made to suit your IOL and its haptic design**

(Supply can be made non sterile bulk packing and colors of customer's choice)

IOL JET PLUS INJECTOR

SG Jet Plus disposable injectors are made from **Food grade** polymers and using a state of art injection moulding technique.



Product	Reference	Incision Size (mm)		
		wound-assisted	into-the-wound	into-the-bag
Jet Lock Cartridge 260	SG JLCA260AB	2.1	2.2	2.4
Jet Lock Cartridge 240	SG JLCA240AB	2.1	2.2	2.3
Jet Lock Cartridge 220	SG JLCA220AB	1.9	2.0	2.2

*Incision Size Varies based on surgical techniques

The **IOL Jet Lock pushers** are made with high grade bio-compatible polymer, exclusively designed for each of the above cartridges.



****Custom made pusher is also available**

Advantages

Design

- Ergonomic model considering the physician requirements
- Soft hydraulic effect during injection
- The plungers are having a special lock, so that it will not release out of the body during retraction.
- Injector body having inner projection to guide the plunger to have proper straight linear motion during injection of IOL.

General

- SG Jet Injectors are specially designed for safe and smooth delivery of IOL into the capsular bag
- Made of **Food grade** polymers

(Supply can be made EO sterile or non sterile bulk packing and colors of customer's choice)

(Blister Pack Sterile or Non-Sterile also available)

IOL JET LOCK INJECTOR

SG Jet Lock disposable injectors are economic model made from Food **grade** polymers and using a state of art injection moulding technique.

The **IOL Jet Lock pushers** are made with high grade bio-compatible polymer, exclusively designed for each of the following cartridges.



****Custom made pusher is also available**

Product	Reference	Incision Size (mm)		
		wound-assisted	into-the-wound	into-the-bag
Jet Lock Cartridge 260	SG JLCA260AB	2.1	2.2	2.4
Jet Lock Cartridge 240	SG JLCA240AB	2.1	2.2	2.3
Jet Lock Cartridge 220	SG JLCA220AB	1.9	2.0	2.2

*Incision Size Varies based on surgical techniques

Advantages

Design

- Ergonomic model considering the physician requirements
- Soft hydraulic effect during injection
- Injector body having inner projection to guide the plunger to have proper straight linear motion during injection of IOL.

General

- SG Jet Lock Injectors are specially designed for safe and smooth delivery of IOL
- Made of **Food grade** polymers

(Supply can be made EO sterile or non sterile bulk packing and colors of customer's choice)

(Blister Pack Sterile or Non-Sterile also available)

SURGICAL KNIFE (OPHTHALMIC) (DISPOSABLE)

SG Surgical Knife (Ophthalmic) is housed in polycarbonate twisting body (protection for knife)

Advantage

Imported knife

Specification: Refer table



Type of Blade	Specification	Application
STAB / SIDE PORT KNIFE SG 28 – 0028 SG 28 – 0019 SG 28 – 0045	15 Deg. Straight 22.5 Deg Straight 15 Deg 3mm restricted blade depth.	For initial stab incision or making side port
CLEAR PORT KNIFE SG 28 – 0205 SG 28 – 0204	0.6 MM Clear port, Angled 1.1 MM Clear Port, Angled	
CRESCENT / TUNNEL KNIFE SG 28 – 0022 SG 28 – 0081	2 .0 MM Angle Bevel up 1.25 MM Mini – Crescent, Angled	For Scleral tunnel incision
SLIT / KERATOME KNIFE SG 28 – 0023 SG 28 – 0062 SG 28 – 0038 SG 28 – 0037 SG 28 – 0036	2.65 MM Angled Bevel up 2.75 MM Angled Bevel up 2.85 MM Angled Bevel up 3.00 MM Angled Bevel up 3.20 MM Angled Bevel up	For all (including phaco) stab incision
SLIT DOUBLE BEVEL SG 28 – 0047	3.20 MM Angled double bevel	

Type of Blade	Specification	Application
SLIT CLEAR TRAP WITH INDICATOR SG 28 – 0090 SG 28 – 0112	1.5- 1.7 MM Angled with indicator 2.75- 3.0 MM Angled with indicator	
IMPLANT KNIFE SG 28 – 0055 SG 28 – 0033	5.5 MM Angled Bevel up 5.2 MM Angled Bevel up	For IOL Implantation
MVR – VITRECTROMY KNIFE SG 28 – 0034 SG 28 – 0035	19 Gauge 20 Gauge	For Vitreous body surgery and creating side port

CLEAT CORNEAL KNIFE (DOUBLE BEVEL) SG 28 – 0202 SG 28 – 0089 SG 28 – 0079 SG 28 – 0078	1.60 MM Angled, 1.4 MM with indicator 2.75 MM Angled width / depth indicator 2.85 MM Angled width / depth indicator 3.00 MM Angled width / depth indicator	
CLEAT CORNEAL KNIFE, DOUBLE BEVEL, PARALLEL SIDE SG 28 – 0100 SG 28 – 0097	2.75 MM Angled width / depth indicator 2.85 MM Angled width / depth indicator	
PRECISION DEPTH KNIFE SG 27 – 0088 MS SG 27 – 0086 MS SG 27 – 0084 MS	300 Um Straight 500 Um Straight 600 Um Straight	
RESTRICTED DEPTH KNIFE SG 28 – 0067 SG 28 – 0068	300 Um restrict depth, straight 450 Um restrict depth, straight	

STERILIZATION BOX

SG Sterilization Box is made from injection moulded special polymers (Imported).

Size 160mm x 85 mm x 25 mm

Different Features:

- Fingertip mats
- Special Plug-in inserts to suit the instrument
- Accommodate different variety of instruments
- Support for autoclave, steam, dry heat and chemical sterilization

