

Re-usable instruments

Eye Technology is proud to offer an extensive range of precision instruments for Vitreo Retinal and Anterior Segment surgery. These micro instruments provide a new level of surgeon control. The Titanium squeeze handle provides delicate, tactile feedback and enables excellent tear control for Capsulorhexis. The small diameter shaft allows use through a side port or phacoincision without stretching the incision or flattening the anterior chamber and a curved shaft allows easy access and comfortable hand position, even in deep set eyes.

Using only the highest quality Titanium, our instruments are strong and durable whilst at the same time being very lightweight, which is particularly beneficial in helping to reduce fatigue for surgeons when undertaking extended procedures. Unlike other metals, Titanium is non-corrosive and non-magnetic and Eye Technology instruments are generally anodized dark blue to reduce glare under microscope.

Eye Technology is one of the few companies able to offer Tungsten Carbide coating. Forceps with Tungsten Carbide coated tips offer greater gripping power and are particularly beneficial when undertaking delicate surgical techniques. Tungsten Carbide is similar to diamond coating but will not flake or wear off. TC indicates instruments that have Tungsten Carbide coating.





### **20G MICRO SCISSORS**

### **Posterior Instrument Range**

- Lightweight titanium handle reduces hand fatigue while providing lasting durability.
- Squeeze style handle provides extremely smooth actuation for high precision surgical manoeuvres.
- Rounded grip area enables easy 360° rotation during use for optimal positioning of tip.
- Forceps and scissors have stationary distal tips to eliminate any unintended movement of the jaws during actuation.
- A wide variety of instrument tips are available to meet every surgical need. Tips are made from stainless steel which is highly corrosion resistant, resulting in smoother operation and fewer repairs.



## **20G MICRO FORCEPS**





VR-1021
Foreign Body Forceps
Reverse action basket style with three gripping arms.



VR-1022
Pick Forceps with Long Tip
1.65mm long jaws.



VR-1031 **Offet Gripping Forceps** 1.5mm long with 0.7mm platform.



Serrated Forceps
4mm long jaws.

VR-1420
Serrated Forceps
(Curved Shaft)

VR-1036 **Angled Long Gripping Forceps** 135°, 3mm from the tip.







## **20G SUB RETINAL AND ILM INSTRUMENTS**

The treatment of Macular diseases can be complex and with new surgical approaches to macular conditions, this has meant that there is a need for a range of instruments which are more than capable of addressing these issues. Our ability to listen to surgeons, take ideas and then design an instrument means that we have a range of ILM and Subretinal instruments which are amongst the most advanced in the market.





The Trocar is a sharp, pointed instrument that provides access into the eye. It acts as a passageway for instruments and usually consists of an integrated cannula. It is proving a very popular and effective means to perform various surgical procedures including vitrectomy.

Our range of micro vitreoretinal instruments allows surgical procedures to be performed through a small 0.6mm (23G) incision. Designed to be used with the Trocar System, these instruments, with a shaft length of 32mm, allow the surgeon to perform precision surgery, minimizing surgical trauma.







#### VR-1539 **Serrated ILM** Forceps

1.25mm long jaws - with fine pick. Designed for Fine Membrane and

manipulation of retinal folds.

#### VR-1541 **MILM Forceps**

Delicate grasping Forcep (MILM) slightly pointed, blunt tip

2.8mm long jaws.

#### VR-1550 **Naito ILM Forceps**

Non Glare finish, 2.2mm long with shorter shaft -27.5mm.







With demands in Ophthalmology becoming greater and with an ever increasing need to be more precise, Eye Technology, working in conjunction with surgeons have developed a range of 25G instruments, which at 0.5mm are amongst the smallest available. These intricate instruments allow for even greater flexibility and control.







VR-1850
ILM Forceps
Non Glare finish, with shorter shaft.
2mm long jaws.





# **27G INSTRUMENTS**





### **MEMBRANE INSTRUMENTS**



Membrane instruments are designed to enable you to lift and remove delcate membranes.

All instruments are on a 5mm diameter handle constructed of lightweight titanium. The instrument tips are manufactured in surgical stainless steel.



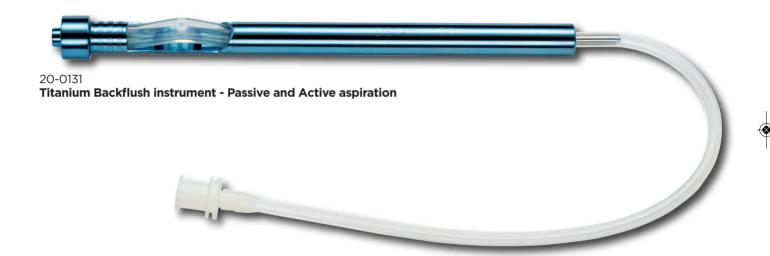


### **BACKFLUSH**



20-0130

**Titanium Backflush instrument - Passive aspiration** 



#### **BACKFLUSH ACCESSORIES**

20-0101 & 20-0102\*

#### **Replacement Silicone Reflux Reservoirs**

For use with active and passive backflush instruments (Sterile Box/10).

20-0104

# Stainless Steel Blunt Straight Replacement Needle with luer lock connector

0.9mm (20g) backflush needle.



#### 20-0105

# Stainless Steel Blunt Straight Replacement Needle with luer lock connector

0.9 (20G) tapering to 0.6 (23G) tapered backflush needle.



\*For use with Backflush Instruments 20-0130 and 20-0131 reusable.



### VR CLEANING INSTRUMENT



Vitreoretinal Instruments are relatively delicate and it is vital that care is taken when cleaning and sterilising them. As a result we have a Tool that will enable staff to clean the instrument either manually or by other means, prior to sterilising.

Also for use on Micro Scissors and Micro Capsulorhexis forceps from the Anterior Range.

VR-720SS VR Flushing Tool

#### **INSTRUCTIONS FOR USE**

#### Step 1:

Remove cap from flushing Instrument.



#### Step 2:

Fit Delrin cap to Nose of Flushing Instrument.



#### Step 3:

Close the handle & fit to the Delrin cap and nose cone of the Flushing Instrument. Push in firmly until the handle comes to a stop.



#### Step 4:

Release the arm of the handle so that it becomes fully open. This allows the flushing medium to pass through the instrument.



#### Step 5:

Replace the barrel of the Flushing Instrument and ensure it is tightly closed.



#### Step 6:

For Manual Cleaning fit the syringe with the flushing medium to the Luer Lock of the Flushing Equipment securely and flush instrument. Apply continuous pressure to the syringe until water exits the tip.



#### Step 7:

For Automated Dishwasher cleaning fit the Flushing Equipment directly to the Luer Lock in the dishwasher, Run cycle in accordance with manufacturer's instructions.



automated dishwasher





# TRANSCONJUNCTIVAL VITRECTOMY SYSTEM

3 x Universal Cannulas
3 x Closure Valves
3 x Blunt Insertors
1 x Universal Infusion Line
Eye Technology Cannula
Forcep
Pressure Plate
Sterilisation Box



40-0101 **20G Conjunctival Trocar Set** 

The Transconjunctival Vitrectomy Systems from Eye Technology incorporate a self closing valve system making it possible to perform transconjunctival sutureless vitreous surgery more efficiently than ever before.

Good surgical indications such as epiretinal membrane proliferation, macular oedema, macular hole surgery and simple vitreous haemorrhage, are ideal for these vitrectomy systems. Together with the range of instruments available from Eye Technology, more complex cases such as rhegmatogenous retinal detachment, proliferative vitreoretinopathy and diabetic retinopathy can be treated more easily.



50-0101 23G Conjunctival Trocar Set

3 x Universal Cannulas 3 x Closure Valves 3 x Blunt Insertors

1 x Universal Infusion Line Eye Technology Cannula Forcep Pressure Plate

Sterilisation Box

## TRANSCONJUNCTIVAL VITRECTOMY SYSTEM



3 x Universal Cannulas 3 x Closure Valves 3 x Blunt Insertors 1 x Universal Infusion Line **Eye Technology Cannula Forcep Pressure Plate** Sterilisation Box



55-0101 **25G Conjunctival Trocar Set** 

To order spare parts for the Trocar Systems please see below:-



40-0106

**20G Closure Valve** 



50-0106

23G Closure Valve



55-0106

25G Closure Valve

40-0103

(Currently 2-Step)

**20G Blunt Insertor** 

50-0103 (1-Step)

23G Sharp Insertor

55-0103

(1-Step)

**25G Sharp Insertor** 

40-0109

**20G Universal Cannula** 

50-0109

23G Universal Cannula

55-0109

25G Universal Cannula

40-0114

**20G Infusion Line with Cannula** 

50-0114

23G Infusion Line with Cannula

55-0114

25G Infusion Line with Cannula

50-0102

**Trocar Forceps** 

50-0105

**Pressure Plate** 

50-0111

Sterilisation Box c/w White Insert



## **MICRO SCISSORS & FORCEPS FOR MICS**

### **Anterior Instrument Range**

Eye Technology is proud to offer an extensive range of precision instruments for Anterior Segment surgery in Titanium squeeze handled forceps. Using only the highest quality Titanium, our instruments are strong and durable whilst at the same time being very light weight, which is particularly beneficial in helping to reduce fatigue for surgeons when undertaking extended procedures. Unlike other metals, Titanium is non-corrosive and non-magnetic. All Eye Technology instruments are anodised in dark blue to reduce glare under the microscope.

#### **MICROSCISSORS & FORCEPS FOR MICS**

These micro instruments provide a new level of surgeon control. The titanium squeeze handle provides delicate, tactile feedback and enables excellent tear control for Capsulorhexis. The small diameter shaft allows use through a side port or Phaco incision without stretching the incision or flattening the anterior chamber. The curved shaft allows easy access and comfortable hand position, even in deep set eyes.



#### MICRO CAPSULORHEXIS FORCEPS

FR-2262

Golenvaux Universal Capsulorhexis Forceps - 0.7mm long jaws with 90° angled grasping platform (23G)

Strongly curved shaft 18mm long. (Developed in collaboration with Dr Golenvaux., Belgium)



# MICRO SCISSORS & FORCEPS FOR MICS



#### MICRO CAPSULORHEXIS FORCEPS

FR-2262i

Forceps for anterior segment reconstruction comprising of a 10mm Scale (10 x .1mm increments) on a 16mm shaft for Capsulorhexis.

Sizing and Intraocular measurements.

A longer version is available on a 23mm shaft.



#### Ikeda Capsulorhexis forceps 0.65mm (23G)

Delicate 1.2mm long jaws with angled, grasping platform. Curved shaft 24mm long (Developed in collaboration with Dr. Ikeda M.D., Japan).





FR-2265

#### Capsulorhexis forceps 0.80mm (21G)

4mm long jaws with angled, grasping platform. Curved shaft 24mm long.



FR-2268

### Ikeda angled jaws micro Capsulorhexis forceps 0.65mm (23G)

0.9mm long jaw with 90° angled, grasping platform. Strongly curved shaft 24mm long (Developed in collaboration with Dr. Ikeda M.D., Japan).



#### **MICRO SCISSORS**

FR-22/5

#### 2mm long blades, 135 degree scissors 0.65mm (23G)

Small 0.65mm diameter, 32mm straight shaft allows access through a side port incision.



#### FR-2275C

#### 2.5 mm long blades in curved shaft 0.65mm (23G)

Small 0.65 mm diameter, 24mm curved shaft allows access through a side port incision.





### **YAE SCISSORS**

A unique multipurpose instrument, available in two sizes, designed with Dr Yae of the YAE Eye Clinic in Japan. These versatile scissors, which can be used for Iris and Anterior Chamber surgery, have a lightweight titanium handle with smooth actuation and a 23G curved shaft, that can be inserted through a 1mm side port incision.



### **Application**

#### Iris

- To enlarge a small pupil by cutting the Iris margin.
- Can approach the 360° iris through two side port incisions.

#### **Anterior Chamber**

- To cut the Capsulorhexis margin before expanding a small CCC.
- For the recovery of Anterior Capsular tear.
- To make an incision in the edge of shrunk Capsulorhexis.

#### **Vitreous**

• To sever the Vitreous strand at Pupillary margin.

#### FR-2278

- 23G outside diameter shaft
- 3mm blade
- 24mm long curved shaft



#### FR-2278/S

- 23G outside diameter shaft
- 2.5mm blade
- 15mm long curved shaft
- 100mm handle length



See the VR-720SS, VR Cleaning Instrument on page 13



# **BIMANUAL IRRIGATING / ASPIRATING SYSTEM**





FR-2394

23G Aspirating hand piece 0.35mm upper port sandblasted





FR-2395 23G Irrigating hand piece with dual 0.4mm sideports





FR-2396

23G Aspirating hand piece with 0.35mm upper port





FR-2397

23G Irrigating hand piece with 0.4mm underside port





## **CAPSULORHEXIS FORCEPS**

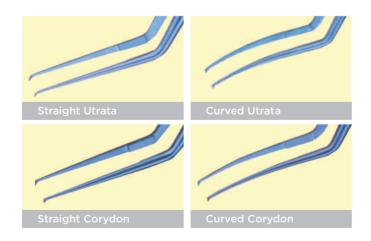
Our Capsulorhexis instruments are designed to make one of the most demanding surgical manoeuvres more manageable. All the instrument tips are specially designed to enable easy grasping of the capsule and firm control of the capsular flap. Durable, lightweight titanium instruments reduce hand fatigue and improve tactile feedback for the best control possible.

- All forceps have platforms at the tip of the jaw for sure gripping of the Capsule.
- All instruments are 11mm from the bend to the tip.
- Gentle curve from bend to tip allows easy access to all areas of the anterior chamber while reducing the chance of touching the Iris.

### F-2055 Inamura Capsulorhexis Forceps

Cross action prevents leakage of viscoelastic from anteriorchamber as X point of instrument is in corneal or scleraltunnel while performing Capsulorhexis so incision is not stretched.







FR-2250

Capsulorhexis forceps straight (Utrata)

FR-225

**Capsulorhexis forceps curved (Utrata)** 

FR-2252

**Capsulorhexis forceps straight (Corydon)** 

FR-2253

**Capsulorhexis forceps curved (Corydon)** 

### **CAPSULORHEXIS FORCEPS**



#### **FLAT HANDLE**



F-2050

Capsulorhexis forceps straight (Utrata)

F-205

**Capsulorhexis forceps curved (Utrata)** 

F-2052

**Capsulorhexis forceps straight (Corydon)** 

F-2053

**Capsulorhexis forceps curved (Corydon)** 

#### **CASTROVIEJO HANDLE**



FC-2150

Capsulorhexis forceps straight (Utrata)

FC-2151

**Capsulorhexis forceps curved (Utrata)** 

FC-2152

**Capsulorhexis forceps straight (Corydon)** 

FC-2153

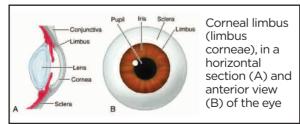
Capsulorhexis forceps curved (Corydon)

#### MICRO CAPSULORHEXIS FORCEPS



#### LCD305B\* Lens Cage Alignment Device

This instrument was developed with Professor Tassignon and is used with her famous Lens-in-the-Bag procedure. This device is based on limbal centration and corneal purkinje of the light of the microscope.



#### FR-2268\*

#### Ikeda angled jaws micro Capsulorhexis forceps

0.65mm (23G), 0.9mm long jaw with 90° angled, grasping platform. Strongly curved shaft 24mm long (Developed in collaboration with Dr. Ikeda M.D., Japan).

#### SH-7017\*

#### **Tassignon Ring Calliper Positioner**

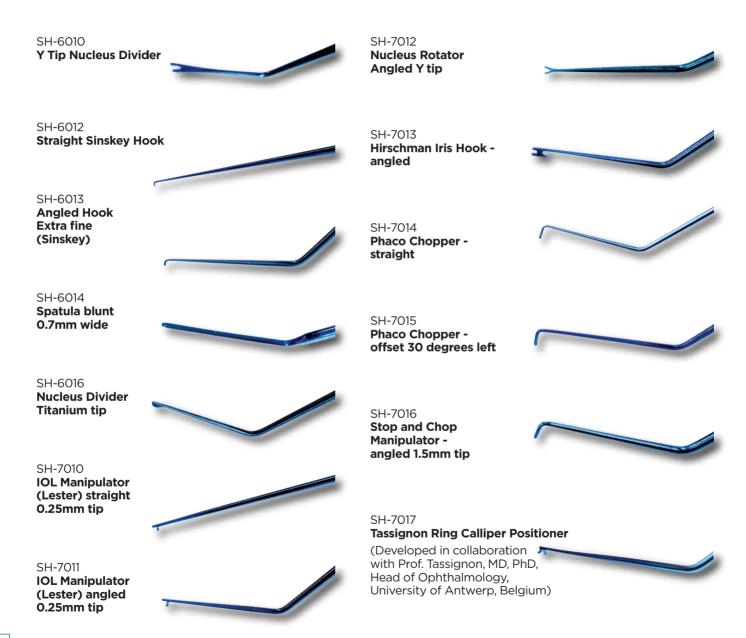
(Developed in collaboration with Prof. Tassignon, MD, PhD, Head of Ophthalmology, University of Antwerp, Belgium)

\*These instruments are used in Professor Tassignon's "Lens-in-the-bag" procedure.





# **MEMBRANE SPATULA - HOOKS - CHOPPERS**



### **ROUND HANDLE FORCEPS**



Eye Technology is one of the few companies able to offer Tungsten Carbide. Forceps with Tungsten Carbide coated tips offer greater gripping power and are particularly beneficial when undertaking delicate surgical techniques. Tungsten Carbide is similar to Diamond Coating but will not flake or wear off.

TC indicates instruments with Tungsten Carbide coating.

#### **STRAIGHT FORCEPS**

FR-2210 Tying 6mm platform, 0.3mm tip FR-2210 TC 88.5mm overall length

FR-2211 Toothed Toothed Forceps

FR-2211 TC 1 x 2 teeth, 0.12mm, 6mm platform

88.5mm overall length

FR-2213 Notched 6mm tying platform, 0.3mm tip

FR-2213 TC 88.5mm overall length

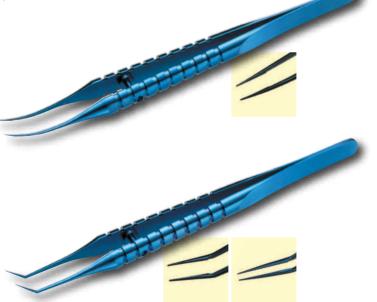
#### **CURVED FORCEPS**

FR-2230 Tying 6mm platform, 0.3mm tip FR-2230 TC 114.5mm overall length

#### **KELMAN McPHERSON**

FR-2240 7mm Angled jaw FR-2240 TC 114.5mm overall length

FR-2243 11mm Angled jaw FR-2243 TC 113mm overall length





### **FLAT HANDLE FORCEPS**

#### STRAIGHT FORCEPS WITHOUT PLATFORM

(DULL NON-REFLECTIVE BLUE FINISH)

FH-2000 Plain tying Excellent for fine suturing

0.3mm tips

85.5mm overall length

FH-2001 Notched 0.3mm tip - 0.35mm

handle tissue more gently

85.5mm overall length



#### **COLIBRI FORCEPS WITHOUT PLATFORM**

(DULL NON-REFLECTIVE BLUE FINISH)

FH-2003 Plain Tying 86.5mm overall length

FH-2004 Notched 0.3mm tip - 0.35mm

88mm overall length

FH-2005 Notched Micro fine tips

0.2mm tip - 0.2mm hole

88.5mm overall length



#### **COLIBRI WITH TYING PLATFORM**

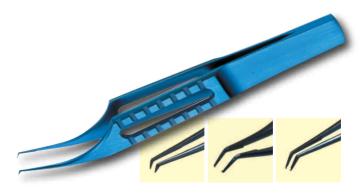
F-2020 Tying Ultra fine jaws 86.5mm overall length

F-2021 Notched 0.3mm tip - 0.35mm

88mm overall length

F-2023 1 x 2 teeth 0.12mm Toothed

87mm overall length



## **FLAT HANDLE FORCEPS**



Eye Technology is one of the few companies able to offer Tungsten Carbide. Forceps with Tungsten Carbide coated tips offer greater gripping power and are particularly beneficial when undertaking delicate surgical techniques. Tungsten Carbide is similar to Diamond coating but will not flake or wear off.

TC indicates instruments with Tungsten Carbide coating.

#### STRAIGHT FORCEPS WITH TYING PLATFORM

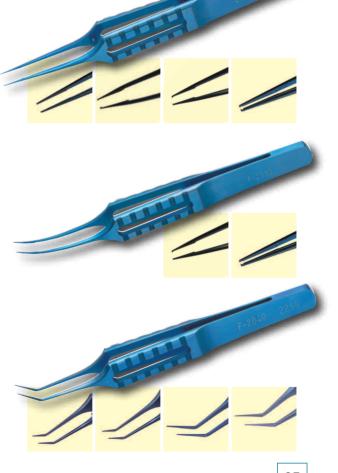
F-2010 F-2010	TC platform	0.3mm tips - 6mm 88.5mm overall length
F-2011 F-2011	Bonn TC	Toothed forceps 1 x 2 teeth, 0.12mm 88.5mm overall length
F-2012	Castroviejo	Toothed forceps 1 x 2 teeth, 0.12mm
F-2012	TC	88.5mm overall length
F-2013 F-2013	Notched TC	0.3mm tips - 6mm platform 88.5mm overall length



F-2030	Tying forceps	6mm platform - 0.3mm tip
F-2030	TC	89mm overall length
F-2033	Notched	6mm platform - 0.3mm tip
F-2033	TC	90.5mm overall length

#### **KELMAN McPHERSON FORCEPS**

F-2040 F-2040	TC	/mm Angled jaw 85.5mm overall length
F-2042 F-2042	TC	7mm Angled jaw 1x2 teeth 0.12mm 86.5mm overall length
F-2043 F-2043	TC	11mm Angled jaw 85.5mm overall length
F-2044 F-2044	TC	11mm Angled jaw 1x2 teeth 0.12mm 85.5mm overall length







# **ROUND HANDLE NEEDLE HOLDERS**

#### **STANDARD**

Straight 12mm jaw Curved 12mm jaw

N-2510 Without lock N-2512 Without lock N-2510 TC N-2512 TC

Available with lock if required.



#### **FINE**

Straight 12mm jaw Curved 12mm jaw N-2514 Without lock N-2516 Without lock N-2514 TC N-2516 TC

Available with lock if required.



#### **MICRO**

Straight 8mm jaw **Curved 8mm jaw** 

N-2520 Without lock N-2522 Without lock N-2520 TC N-2522 TC

Available with lock if required.



#### **EXTRA FINE DELICATE JAW**

Straight 8mm jaw **Curved 8mm jaw** 

N-2526 Without lock N-2524 Without lock

N-2524 TC N-2526 TC

Available with lock if required.



### **EYE SPECULUM**





SP-8011

#### **Closed Valve Eye Speculum**

14mm Wide Closed Blades. Designed to rest temporal. Adjustable screw.

SP-8012

#### **Closed Valve Nasal Speculum**

14mmWide Closed Blades. Designed to rest nasal. Adjustable screw.

SP-8013

#### **Open Valve Eye Speculum**

14mm Wide Open Blades. Designed to rest temporal. Adjustable screw.

SP-8014

#### **Open Valve Nasal Speculum**

14mmWide Open Blades. Designed to rest nasal. Adjustable screw.

SP-8015

#### **Closed Valve Lasik Eye Speculum**

16mm Wide Closed Blades. Designed to rest temporal. Adjustable screw.

SP-8016

#### **Closed Valve Lasik Nasal Speculum**

16mm Wide Closed Blades. Designed to rest nasal. Adjustable screw.

SP-8020

#### **Leiberman Speculum**

15mm Wide Open Blade. Adjustable screw.

SP-8024

**Parallel Opening Speculum** 

Adjustable screw.



SP-8025

#### **Aspirating Speculum**

14mm Wide Open Blade. Adjustable screw. (Stainless steel)





14.5mm Wide Blade. Designed to rest either temporal, or nasal. Adjustable screw.



### **Aspirating Speculum**

12mm parallel opening -Aspirates closer to the surface of the eye. Adjustable screw. (Stainless steel)









### **INTRAOCULAR LENS FORCEPS**

#### INTRAOCULAR LENS FOLDING/IMPLANTATION FORCEPS



FN-2281 Flat Handle IOL Folding Forceps

For use with silicone lenses.



#### F-2043P 11mm Angled Kelman Forceps

IOL insertion forceps with highly polished tips. Also ideal for inserting lenses into Injection system. 85.5mm overall length.



### **MISCELLANEOUS**

#### LENS INSERTION FORCEPS

FN-2273

**IOL Insertion Forceps with str plunger** 

# SERTER

#### **CAPSULAR TENSION RING INSERTER**

1-9006

#### **Capsular Tension Ring Inserter**

Suitable for use with Lenstec Capsular Tension Rings.



#### **Capsular Tension Ring Inserter with downward tip**

I-9006 for use with Vision Matrix Capsular Tension Rings.

Code	Open	Compressed	Colour
LR-1300	12.30mm	10.00mm	Clear
LR-1400	14.30mm	12.00mm	Clear
LR-1300B	12.30mm	10.00mm	Blue
LR-1400B	14.30mm	12.00mm	Blue

#### THORNTON SWIVEL FIXATION RING

I-9020 13mm diameter I-9021 16mm diameter



#### IRIS RETRACTOR

1-9030

2 prong Iris Retractor





## **TORIC MARKERS**





#### TM-3011 Wehner Toric Marker:

For marking the astigmatic axis of the cornea at the slit lamp - with ease and precision.

The perfect geometric shape of the mark on the cornea facilitates precise alignment of the Toric IOL after implantation.

(Developed in collaboration with Dr. Wolfram Wehner, Maximilian Augenklinik, Nuremberg, Germany).

# **VANNAS SCISSORS**





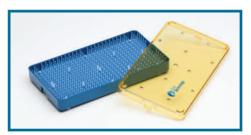


10mm Curved Vannas Scissor in Stainless Steel

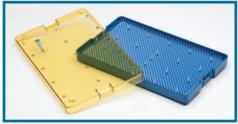


### **STERILISING TRAYS**

- Engineered with very durable, highly resilient state-of-the-art polymers
- Protect your valuable microsurgical instruments during sterilisation process, transport and storage
- Suitable for use with autoclave systems up to 380°F / 193.33°C, ethylene oxide sterilisation and cold sterilisation systems

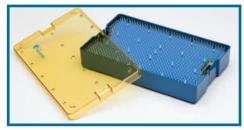


ET 4700A Size: 4" x 7.5" x 0.75" 102mm x 190mm x 19mm

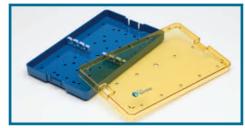


ET 6100A Size: 6" x 10" x 0.75" 152mm x 254mm x 19mm

In various sizes to suit all Eye Technology microsurgery instruments.



ET 6120A Size: 6" x 10" x 0.75" 152mm x 254mm x 19mm



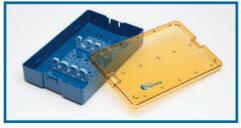
ET 6101A Size: 6" x 10" x 0.75" 152mm x 254mm x 19mm



ET 2571A Size: 2.5" x 7.5" x 0.75" 63.5mm x 190mm x 19mm



ET 2343A Size: 4.0" x 7.5" x 1.5" 102mm x 190mm x 38mm



ET 2363A Size: 6" x 10" x 0.75" 152mm x 254mm x 38mm

## **NEW PRODUCT REQUEST**



At Eye Technology we are proud of our heritage of constant product development. We strive to create innovative products of the highest quality and the only way in which we can achieve this is with constant feedback from our customers.

Surgeons using our instruments every day have a unique insight into ways in which products can be developed and improved.

If you have an idea for a new instrument or suggestion for a way in which we can develop one of our existing range we would like to hear from you.

Eye Technology Use Only: Lot No. ISAH No.	DATE:	CUSTOMER:	
Requested by:  Modification of Part #		QUANTITY:  Eye Technology Use Only: Part No.	
PLEASE ATTACH DRAWING / SKET			
IER NOTES / REQUESTS:			



Authorised Distributor:



### **Quality instruments for Ophthalmic Microsurgery**

19 Totman Crescent, Rayleigh SS6 7UY, UK. Tel: +44 (0)1268 771949 Fax: +44 (0)1268 771349 Email: sales@eye-tech.co.uk

### www.eye-tech.co.uk

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