

Re-usable instruments

Eye Technology is a UK based company whose expertise is in the field of design, development, manufacture and distribution of specialized ophthalmic surgical instruments. Our high quality innovations can be seen in the areas of Anterior-Segment and Posterior or Vitreo-Retinal Ophthalmic Surgery.

The skilled instrument craftsmen of Eye Technology have been creating exceptional instruments in the UK for 20 years. Close attention to detail and hand finishing produces instruments of outstanding quality. A rigorous quality assurance system, including the latest US FDA, European ISO 9000 & ISO 13485 and CE mark requirements ensures consistent products. Traditional craftsmanship and modern technology provide you with the best instruments available. All Eye Technology products are constructed by experienced instrument craftsmen from the finest materials available using state of the art equipment.

Eye Technology regularly updates its product catalogue launching many new products including new single use trocar systems, vitrectomy cutters, light fibers and laser probes.

We invite you to view all the products we have to offer.

Visit our website at www.eye-tech.co.uk



Quality instruments for Opthalmic micro-surgery



Design your own instruments for your new surgical techniques



Light fibers, chandeliers and endoillumination systems



Cutters for vitreoretinal surgery for most popular systems and high speed transformer for precision vitrectomy at ultra high speed



A range of Trocar systems for VR surgery



Laser probes for the most popular endolaser systems



Eye Technology cleaning tool for reusable MICS and VR instruments



Sterilisation cases for sterilisation and storage

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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 Stainless Steel which is highly corrosion resistant, resulting in smoother operation and fewer repairs.



20G MICRO FORCEPS





VR-1021 **Foreign Body Forceps** Basket style with three gripping arms.











VR-1020*
Serrated Forceps
4mm long jaws

VR-1420
Serrated Forceps
(Curved Shaft)

*Available with Titanium Tips on request



20G SUB RETINAL AND ILM INSTRUMENTS

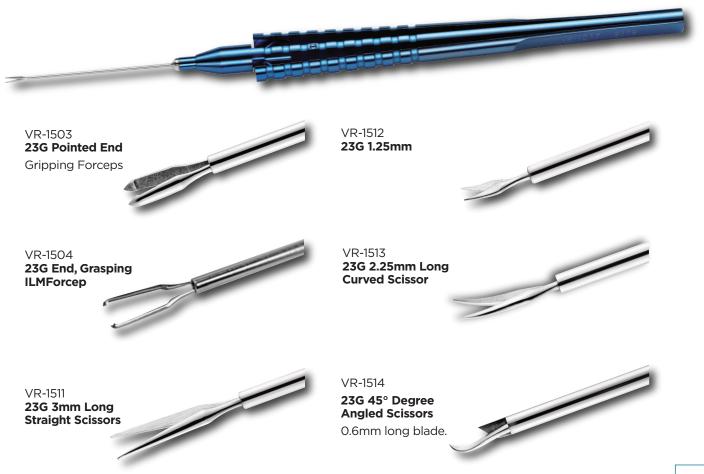
The treatment of Macular diseases can be complex and with new surgical approaches to macular conditions, this has meant that there is a need for a range of instruments which are more than capable of addressing these issues. Our ability to listen to surgeons, take ideas and then design an instrument means 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 (a hollow tube). 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.

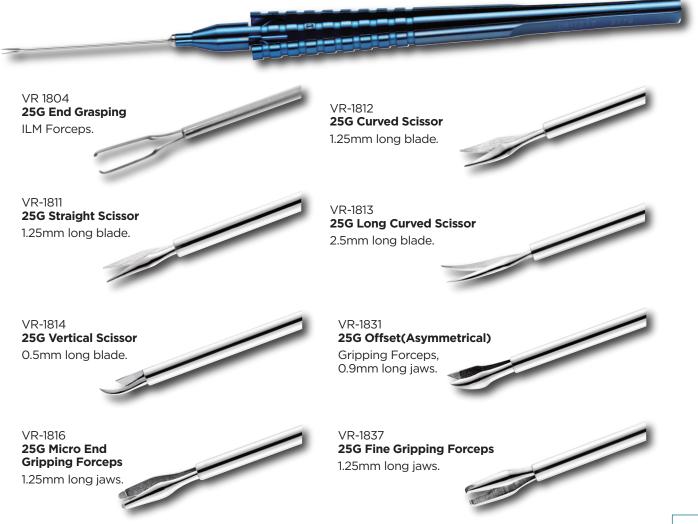








With demands in Ophthalmology becoming greater and with an ever increasing need to be more precise, Eye Technology, working in conjunction with surgeons have developed a range of 25G instruments, which at 0.5mm are amongst the smallest available. These intricate instruments allow for even greater flexibility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











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.

CLEANING SYSTEM



Vitreoretinal Instruments are relitively 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.





Eye Technology cleaning tool for reusable MICS and VR instruments.





TRANSCONJUNCTIVAL VITRECTOMY SYSTEM

3 x Universal Cannulas
3 x Closure Valves
3 x Blunt Insertors
1 x Universal Infusion Line
Eye Tech 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.



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



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



40-0106 20G Closure Valve



50-0106 23G Closure Valve



55-0106 **25G Closure Valve**



40-0109 **20G Universal Cannula** 50-0109

23G Universal Cannula

55-0109

25G Universal Cannula



40-0114 20G Infusion Line

50-0114 **23G Infusion Line**

55-0114

25G Infusion Line



50-0102 **Trocar Forceps**



50-0105 Pressure Plate



40-0103 (Currently 2-Step) 20G Blunt Insertor 50-0103 (1-Step) 23G Sharp Insertor 55-0103 (1-Step) 25G Sharp Insertor

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.



FR-2266

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-2275

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
- 112mm handle length



FR-2278/S

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



See the VR-720SS, VR Flushing Tool for cleaning VR instruments

on page 13



BIMANUAL IRRIGATING / ASPIRATING SYSTEM





FR-2394

Aspirating hand piece with male connector, 23G, 0.35mm upper port



Aspirating Handpiece with male connector



FR-2395

Irrigating hand piece with female connector, 23G, with dual 0.4mm sideports



Irrigating Handpiece with female connector



FR-2396

Aspirating hand piece with male connector, 23G, with 0.35mm upper port



Aspirating Handpiece with male connector



FR-2397

Irrigating hand piece with female connector, 23G, with 0.4mm underside port



Irrigating Handpiece with female connector



CAPSULORHEXIS FORCEPS

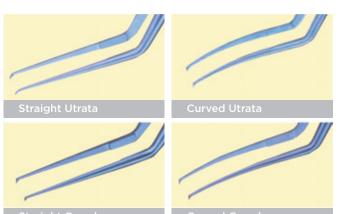
Our Capsulorhexis instruments are designed to make one of the most demanding surgical manoeuvres more manageable. All the instrument tips are specially designed to enable easy grasping of the capsule and firm control of the capsular flap. Durable, lightweight titanium instruments reduce hand fatigue 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.
- For use with Vision Matrix Capsular Tension Rings: 10-12mm, 11-13mm and 12-14mm.

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

ROUND HANDLE

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-2051

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)

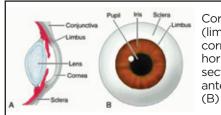
MICRO CAPSULORHEXIS FORCEPS





LCD305B* Lens Cage Alignment Device

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



Corneal limbus (limbus corneae), in a horizontal section (A) and anterior view (B) of the eye

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*

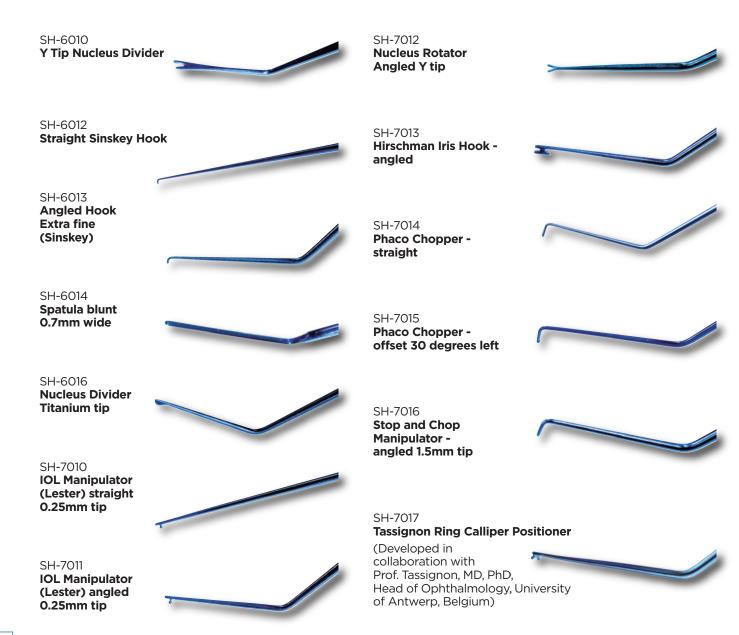
Tassignon Ring Calliper Positioner

(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.



SPATULAS AND HOOKS / CHOPPERS



ROUND BODIED 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

FR-2211 Toothed Toothed Forceps

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

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

FR-2213 TC

CURVED FORCEPS

FR-2230 Tying 6mm platform, 0.3mm tip

FR-2230 TC

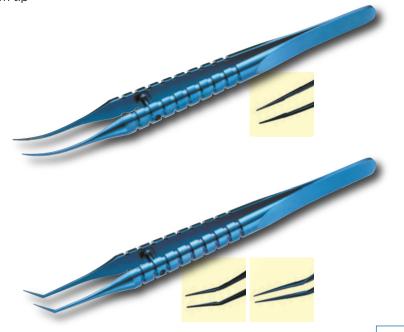
KELMAN McPHERSON

FR-2240 7mm Angled jaw

FR-2240 TC

FR-2243 11mm Angled jaw

FR-2243 TC





FLAT BODIED FORCEPS

STRAIGHT FORCEPS WITHOUT PLATFORM

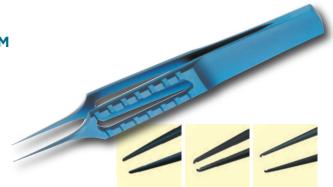
(DULL NON-REFLECTIVE BLUE FINISH)

FH-2000 Plain tying Excellent for fine suturing

0.3mm tips

FH-2001 Notched 0.3mm tip - 0.35mm hole

handle tissue more gently



COLIBRI FORCEPS WITHOUT PLATFORM

(DULL NON-REFLECTIVE BLUE FINISH)

FH-2003 Plain Tying

FH-2004 Notched 0.3mm tip - 0.35mm hole

FH-2005 Notched Micro fine tips 0.2mm tip -

0.2mm hole

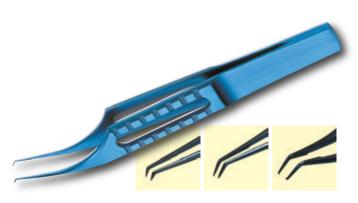


COLIBRI WITH TYING PLATFORM

F-2020 Tying Ultra fine jaws

F-2023 Notched 0.3mm tip - 0.35mm hole

F-2021 Toothed 1 x 2 teeth 0.12mm



FLAT BODIED FORCEPS



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TC indicates instruments with Tungsten Carbide coating.

STRAIGHT FORCEPS WITH TYING PLATFORM

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

0.3mm tips - 6mm platform

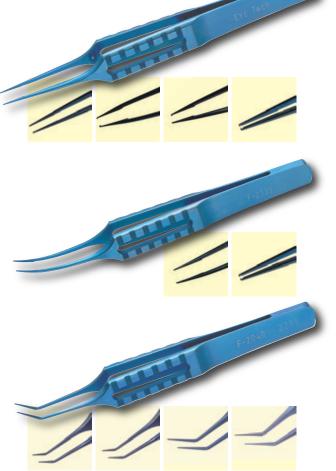


F-2013 Notched F-2013 TC

F-2030 F-2030	, ,	6mm platform - 0.3mm tip
F-2033 F-2033	Notched TC	6mm platform - 0.3mm tip

KELMAN McPHERSON FORCEPS

F-2040 F-2040	TC	7mm Angled jaw
F-2042 F-2042	TC	7mm Angled jaw 1x2 teeth 0.12mm
F-2043 F-2043	TC	11mm Angled jaw
F-2044 F-2044	TC	11mm Angled jaw 1x2 teeth 0.12mm





ROUND BODIED NEEDLE HOLDERS

STANDARD

Straight 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-2524 Without lock N-2526 Without lock

N-2524 TC N-2526 TC

Available with lock if required.



EYE SPECULUM





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-8024

Parallel Opening Speculum

Adjustable screw



SP-8020

Leiberman Speculum

15mm Wide Open Blade. Adjustable screw SP-8025

Aspirating Speculum

14mm Wide Open Blade. Adjustable screw



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-8026

Solid Blade Reversible Speculum

14.5mm Wide Blade. Designed to rest either temporal. or 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-8025S

Aspirating Speculum

12mm parallel opening – Aspirates closer to the surface of the eye. Adjustable screw







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 style

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



MISCELLANEOUS

LENS INSERTION FORCEPS

FN-2273

IOL Insertion Forceps with STR plunger



CAPSULAR TENSION RING INSERTER

I-9006

Capsular Tension Ring Inserter

Suitable for use with Lenstec Capsular Tension Rings:



I-9006 One version 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).

TM-3012 **Pendulum Axis Marker:**

Used to manually mark, pre-operatively, two points $(0^{\circ}$ - 180°) whilst patient is seated at the slit lamp. The curve of the marker allows better visualisation during procedure.

Measures: 0° - 180° Handle Length: 950 mm



TM-3013 The Mendez Ring Gauge:

Used to indicate the desired axis for Toric IOL alignment.

Measures: 0° - 180° Internal Diameter: 12mm External Diameter: 20mm Handle Length: 950 mm



VANNAS SCISSORS





10mm Curved Vannas Scissor in Titanium



VS-1000S

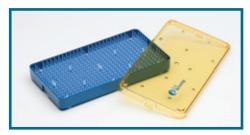
10mm Curved Vannas Scissor in Stainless Steel



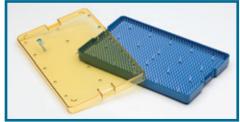
STERILISING TRAYS

- 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



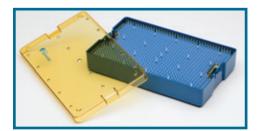


ET 4700A Size: 4" x 7.5" x 0.75" 102mm x 190mm x 19mm

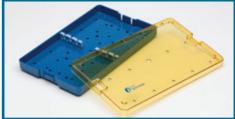


ET 6100A Size: 6" x 10" x 0.75" 152mm x 254mm x 19mm





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



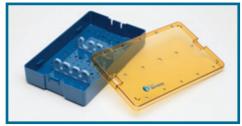
ET 6101A Size: 6" x 10" x 0.75" 152mm x 254mm x 19mm



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

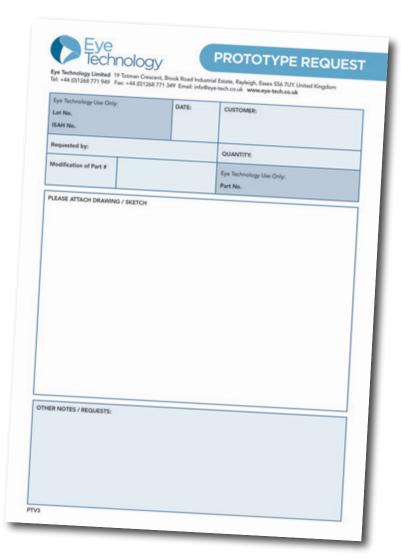
EYE DESIGN



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 also supply an extensive range of high quality single-use instruments.

Contact us or your local authorised Eye Technology distributor for a copy of our Reusable Instrument Catalogue.

Authorised Distributor:



Quality instruments for Ophthalmic Microsurgery

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www.eye-tech.co.uk

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