

## Ophthalmic Surgical Instruments





#### Welcome to Optico .....

Optico is a small, entrepreneurial company with our manufacturing facility in Hertfordshire, England. Since our formation we have seen strong growth and an expanding network of satisfied customers worldwide.

Our team of highly skilled instrument craftsmen have a wealth of manufacturing experience and have been creating exceptional instruments for the ophthalmic industry for over 30 years.

These skills, combined with up-to-date technology, our desire for perfection and our strong customer focus, provides Optico with a strong foundation on which to build and continue to compete in this challenging but exciting industry.

#### Our Products .....

Optico offers a range of titanium ophthalmic instruments for both posterior and anterior surgical procedures. Developed in association with leading surgeons worldwide, our products offer outstanding quality, absolute precision and compliment the skill of the surgeon.

In addition to our product range, Optico also offers a fast and efficient repair service to all makes of ophthalmic instruments.

### Our Quality.....

All our instruments are manufactured from the finest quality materials and we operate a rigorous quality management system certified to ISO9001, ISO13485, CE requirements and FDA registration.









## Index

### MICRO ANTERIOR INSTRUMENTS

Micro Anterior Forceps Pages 2-3

Micro Anterior Scissors Pages 3-4

Cornea Forceps Page 5

Capsulorhexis Marker Page 5

IOL Forceps & Scissors Pages 6-7

Haptic Cutter Page 7

Glaucoma Instruments Page 8

#### ANTERIOR INSTRUMENTS

Flat Handle Forceps	Pages 9-12
Colibri Forceps	Page 13
Colibri 'S' Style Forceps	Page 14
Long Flat Handle Forceps – 115mm	Pages 14-15
Round Handle Forceps	Pages 15-18
Castroviejo Handle Forceps	Pages 18-20
Cross Action Capsulorhexis	Page 21
Controlled Opening Capsulorhexis	Page 21
IOL Forceps	Pages 22-23
Prechoppers	Page 23
Speculum	Page 23
Probes, Spatulas and Hooks	Page 24
Needleholders	Pages 25-26
Stainless Steel Scissors	Page 27

#### POSTERIOR INSTRUMENTS

20g Forceps and Scissors	Pages 28-30		
23g Forceps and Scissors	Pages 30-34		
25g Forceps and Scissors	Pages 34-35		
27g Forceps and Scissors	Page 36		
Foreign Body Forceps	Page 37		
C Range 20g Forceps and Scissors	Page 39		
C Range 23g Forceps and Scissors	Page 40		
C Range 25g Forceps and Scissors	Page41		
C Range 27g Forceps and Scissors	Page 41		
C Range Handle	Page 41		
Membrane Instruments	Pages 42-43		
Scleral Depressor	Page 43		
Sterilising Trays	Page 43		

These Micro Anterior instruments offers the surgeon excellent control when performing delicate procedures through small incisions. The unique smooth action squeeze handle is manufactured from high quality titanium and is anodised blue. The curved shaft enables ease of access and manipulation through a side port incision and the stationary distal tips eliminate any unintended movement. The tubes and tips are manufactured from corrosion resistant stainless steel. All of the above features work together to create an exceptional instrument, which is not only strong and durable but also lightweight with a delicate and tactile feel.

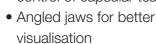
#### MICRO ANTERIOR FORCEPS

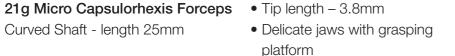
50-103

MICRO ANTERIOR INSTRUMENTS

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50-101	23g Micro Capsulorhexis Forceps	• Tip length – 0.9mm		
	Curved shaft - length 25mm	• Precision formed jaws can be		
		used to make initial tear to		
		start capsulorhexis and		
50-102	23g Micro Capsulorhexis Forceps	specially designed platform in		
	Curved shaft - length 15mm	jaws allows a secure grip and		
		control of capsular tear		

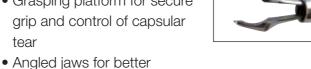






50-104 **23g Golenvaux Micro- Capsulorhexis** • Tip length – 0.6mm • Grasping platform for secure Curved Shaft - length 18mm





50-105 21g Micro Capsulorhexis Forceps • Tip length 1.5mm Curved Shaft - length 15mm

Curved Shaft - length 25mm

Grasping platform

visualisation



fine serrations on tips, and curved 15mm shaft is ideal for iris suturing, lenticule removal or DSAEK surgery.

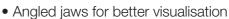


50-203 23g PRASAD Micro Grasping **Forceps** 

Curved shaft - length 25mm

(Designed in collaboration with Consultant Opthalmologist Mr Som Prasad of Wirral Hospital, UK)

- Tip length 3mm
- Curved shaft for ease of access and manipulation through a side port incision



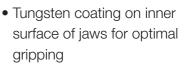
- Tungsten coating on inner surface of jaws for optimal gripping
- Ideal for controlling the capsular tear in difficult situations like subluxed lenses and grasping delicate iris tissues

50-204 23g PRASAD Micro Tying Forceps

Curved shaft - length 25mm

(Designed in collaboration with Consultant Opthalmologist Mr Som Prasad of Wirral Hospital, UK)

- Tip length 2.65mm
- Curved shaft for ease of access and manipulation through a side port incision



• Ideal for intraocular suturing as in iris reconstruction



50-201 23g Multi Purpose Scissors

Curved shaft - length 25mm

50-202 23g Multi Purpose Scissors Curved shaft - length 15mm

• Tip length – 3mm

 A versatile and multi-functional instrument, ideal for:-



- · Making an incision in the edge of the shrunk capsulorhexis
- Recovery of the anterior capsular tear
- Enlarging a small pupil by making small cuts to the iris margin
- Severing the vitreous strand at the papillary margin

#### **MICRO ANTERIOR SCISSORS Continued**



23g Multi Purpose Scissors -50-201-1 **Horizontal Blades** 

Curved Shaft - length 15mm

• Tip length – 3mm

• A versatile and multifunctional scissors with the blades in the horizontal position



50-201-2 As above but with 21mm curved shaft 50-201-3 As above but with 25mm curved shaft

23g Curved Scissors

50-207

Curved shaft – length 30mm

• Tip length – 2mm

minimal stress

• 23g stainless steel scissors are designed to be used in cases such as papillary phimosis for dissecting, dividing and removing membranes with



50-207-1 As above but with 15mm curved shaft



50-211 23g 135° Horizontal Scissors Curved shaft – length 25mm

- Tip length 2.32mm
- 23g Stainless Steel scissors designed for dissecting and removing membranes with minimal stress.



Our highly skilled workforce have been creating exceptional instruments for the ophthalmic industry for over 30 years

#### **CORNEA FORCEPS**



50-205 23g Cornea Forceps -**Side Orientation** 

Curved shaft – length 28mm

(Designed in collaboration with Consultant Ophthalmic Surgeon, Mr. Sathish Srinivasan. University Hospital, Ayr)

50-208 23g Cornea Forceps -Front Orientation

> Curved shaft - length 28mm right surgical plane

• 23g delicately shaped jaws are ideal for entry through a paracentesis wound and offer secure, non traumatic grasping of the donor disc



• Donor disc can be pulled into the anterior chamber without the need to fold the disc

 Curved shaft and vertically oriented squeeze handle ensures the jaws are at the

#### SRINIVASAN CAPSULORHEXIS CENTRATION MARKER

Designed in collaboration with Mr. Sathish Srinivasan, Consultant Ophthalmologist at University Hospital Ayr, Scotland.

This marker helps to centre the capsulorhexis over the patient's visual axis, thus enabling the surgeon to perform a well centered and symmetrical capsulotomy. The cross hair on the capsulorhexis marker is placed exactly over the first purkinje image with the patient directed to look into the operating microscope's light.



Single End Marker - 6mm 35-200 35-201 Single End Marker – 5.5mm



MICRO ANTERIOR INSTRUMENTS



35-202 Double End Marker - 6mm/5.5mm



#### **IOL FORCEPS AND SCISSORS**

These OPTICO IOL Holders and Scissors have been designed for removing soft silicone and acrylic IOL's.

#### **IOL FORCEPS**

50-213 20g ICL Loading Forceps





• Hole on upper jaw enables enhanced visibility of the lens



50-214 20g IOL Holding Forceps Curved Shaft – length 20mm • 20g Stainless Steel tips with grooves on the inside of the jaws for secure gripping of the lens





50-217 21g IOL Grasping Forceps Curved Shaft – length 20mm

Curved Shaft – length 20mm

• Sandblasting to inside of jaws for enhanced gripping of lens and haptic



• Holes in jaws for enhanced visibility of lens





• 23g Stainless Steel serrated tips with sandblasted finish to provide secure gripping of IOL's



**IOL SCISSORS** 

50-216

50-218-1

50-206



50-215 18g IOL Scissors

Curved Shaft - length 20mm

Straight Shaft - length 15mm

• 18g Stainless Steel tips with small serrations on the inside of both blades to prevent the lens slipping during cutting and removal.



• These scissors are ideal for cutting softer silicone lenses.

 Available in both straight and curved shafts.

• Different length shafts available on request.

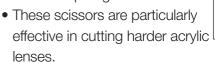
50-218 18g Acrylic IOL Scissors

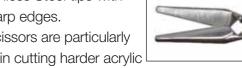
18g IOL Scissors

Straight Shaft – 15mm

18g Acrylic IOL Scissors Curved Shaft - 20mm

• 18g Stainless Steel tips with razor sharp edges.





• Available in both straight and curved shafts.

• Different length shafts available on request.

HAPTIC CUTTER



20g Haptic Cutter

Straight shaft – length 30mm

• 20g hooked tip grasps the haptic to enable smooth cutting action when closing handle



MICRO ANTERIOR INSTRUMENTS

## **GLAUCOMA INSTRUMENTS**

Glaucoma Punch - 0.6mm





50-302

## **One handle - multiple heads**

• Tip designed to punch 0.6mm

• Can repeat punch action to create larger sclerostomy

Many of our Micro Anterior Instruments are available in our new C Range with detachable heads for easier cleaning. See Page 38 for further information on the C Range products or contact our friendly Optico team who will be pleased to assist.

Do you have a new product idea? **OPTICO** has worked with leading surgeons worldwide to develop new products. We can assist you to make your idea a reality.

#### ANTERIOR INSTRUMENTS

OPTICO recognises the need for surgeons to work with high quality instruments that perform as intended every time. Our titanium anterior instruments are made from the finest quality materials, are anodised blue and feature tungsten carbide coated tips for secure gripping.



FLAT HAN	DLE STRAIGHT FORCEPS —		OPTICO CE
10-100-1	Dressing Forceps	<ul> <li>10mm jaws with fine serrations for gripping delicate materials</li> </ul>	
10-101	Straight Tying	<ul><li>Plain tying – no platform</li><li>Tungsten coated</li><li>Length 90mm</li></ul>	
10-102	Straight Tying with Platform	<ul><li>6mm tying platform</li><li>Tungsten coated</li><li>Length 90mm</li></ul>	
10-103	Straight Oblique Toothed	<ul><li>1 x 2 oblique teeth, 0.12mm</li><li>6mm tying platform</li></ul>	





10-104	Straight Bonn Toothed	• 1 x 2 teeth, 0.12mm	
		<ul> <li>6mm tying platform</li> </ul>	
		<ul> <li>Tungsten coated</li> </ul>	
10-104-1	As above but with 0.1mm teeth	• Length 90mm	



	10-105	Straight Oblique Toothed	<ul><li>1 x 2 oblique teeth, 0.3mm</li><li>6mm tying platform</li><li>Tungsten coated</li><li>Length 90mm</li></ul>		10-110	Curved Bonn Toothed	<ul> <li>1 x 2 bonn teeth, 0.12mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> <li>Length 88mm</li> </ul>
	10-106	Straight Notched	<ul><li>0.25mm Notch</li><li>6mm tying platform</li></ul>		10-111	Curved Notched	<ul><li>0.25mm Notch</li><li>6mm tying platform</li><li>Tungsten coated tips</li></ul>
	10-106-1 10-106-2	As above but with 0.2mm Notch As above but with 0.3mm Notch	<ul><li>Tungsten coated</li><li>Length 90mm</li></ul>		10-111-1 10-111-2	As above but with 0.2mm Notch As above but with 0.3mm Notch	• Length 88mm
	FLAT HANI	DLE CURVED FORCEPS	BARRI	OPTICO CE	FLAT HAN	DLE CAPSULORHEXIS FORCEPS	
	10-107	Curved Tying	<ul> <li>Plain tying tips – no platform</li> </ul>			OPTION CC	333
			<ul><li>Tungsten coated tips</li><li>Length 88mm</li></ul>		10-112	Capsulorhexis Utrata Curved	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Gentle curve from bend to tip</li> <li>Length 85mm</li> </ul>
·0	10-108	Curved Tying with Platform	<ul><li>6mm tying platform</li><li>Tungsten coated tips</li><li>Length 88mm</li></ul>		10-113	Capsulorhexis Utrata Straight	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Straight from bend to tip</li> <li>Length 85mm</li> </ul>
INSTRUMENT	10-109	Curved Oblique Toothed	<ul> <li>1 x 2 oblique teeth, 0.12mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> <li>Length 88mm</li> </ul>		10-114	Capsulorhexis Corydon Curved	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Gentle curve from bend to tip</li> <li>Length 85mm</li> </ul>
ANTERIOR					10-115	Capsulorhexis Corydon Straight	<ul><li>45° Angle, Tip to Angle 12mm</li><li>Straight from bend to tip</li><li>Length 85mm</li></ul>

#### FLAT HANDLE MCPHERSON FORCEPS FLAT HANDLE COLIBRI FORCEPS 10-300 McPherson Tying - 7mm • 45° Angle, Tip to Angle 7mm 10-201 Colibri Tying Plain Tying Tips • 6mm tying platform • Tungsten coated tips • Tungsten coated tips 10-201-1 As above but with 6mm tying platform • Length 89mm • Length 87mm 10-203 Colibri Notched • 0.25mm Notch • 45° Angle, Tip to Angle 9mm • 6mm tying platform 10-301 McPherson Tying - 9mm • 6mm tying platform • Tungsten coated tips • Tungsten coated tips • Length 89mm • Length 87mm 10-206 Colibri Notched • 0.2mm Notch 10-302 McPherson Tying - 10mm • 45° Angle, Tip to Angle 10mm • 6mm tying platform • 6mm tying platform • Tungsten coated tips • Tungsten coated tips • Length 89mm • Length 87mm 10-211 Colibri Bonn Toothed -• 1 x 2 bonn teeth, 0,12mm 10-303 McPherson Tying – 12mm • 45° Angle, Tip to Angle 12mm with platform • 6mm tying platform • 6mm tying platform • Tungsten coated tips • Tungsten coated tips • Length 89mm • Length 87mm 10-212 Colibri Bonn Toothed -• 1 x 2 bonn teeth, 0.12mm • 45° Angle, Tip to Angle 7mm 10-304 McPherson Toothed - 7mm no platform • Tungsten coated tips • 1 x 2 teeth, 0.12mm • Length 89mm • 6mm tying platform • Tungsten coated tips • Length 87mm 10-213 Colibri Oblique Toothed -• 1 x 2 oblique teeth, 0.12mm with platform • 6mm tying platform • Tungsten coated tips 10-305 McPherson Toothed - 10mm • 45° Angle, Tip to Angle 10mm • Length 89mm • 1 x 2 teeth, 0.12mm • 6mm tying platform • Tungsten coated tips 10-214 Colibri Oblique Toothed -• 1 x 2 oblique teeth, 0.12mm • Length 87mm no platform • Tungsten coated tips • Length 89mm

#### **COLIBRI 'S' STYLE** 10-404 **Curved Tying with Platform** Plain Tying Tips • 6mm tying platform 10-404-1 As above but with no platform • Tungsten coated tips 10-220 Colibri 'S' Style Tying Plain Tying Tips • Tungsten coated tips 10-405 **Curved Notched** • Tips - 0.25mm Notched • Length 88mm • 6mm tying platform • Tungsten coated tips 10-221 Colibri 'S' Style Bonn Toothed • 1 x 2 teeth, 0.12mm • 6mm tying platform **ROUND HANDLE STRAIGHT FORCEPS** • Tungsten coated tips • Length 88mm 10-501 • Plain Tying - no platform Straight Tying • Tungsten coated tips 10-222 Colibri 'S' Style Oblique Toothed • 1 x 2 oblique teeth, 0.12mm • 6mm tying platform • Length 113mm • Tungsten coated tips • Length 88mm 10-502 • 6mm tying platform Straight Tying with Platform • Tungsten coated tips 10-223 Colibri 'S' Style Notched • Tips – 0.25mm Notched • Length 113mm • 6mm tying platform • Tungsten coated tips • Length 88mm 10-503 **Bonn Toothed** • 1 x 2 teeth, 0.12mm • 6mm tying platform • Tungsten coated tips **LONG FLAT HANDLE FORCEPS – 115MM** • Length 113mm **Oblique Toothed** • 1 x 2 oblique teeth, 0.12mm 10-504 10-401 Straight Tying with Platform Plain Tying Tips • 6mm tying platform • 6mm tying platform • Tungsten coated tips 10-401-1 • Tungsten coated tips As above but with no platform • Length 113mm 10-402 **Bonn Toothed** • 1 x 2 bonn teeth, 0.12mm 10-505 Straight Notched • Tips – 0.25mm Notched • 6mm tying platform • 6mm Tying Platform • Tungsten coated tips 10-505-1 As above but with 0.2mm Notch • Tungsten coated tips 10-505-2 As above but with 0.3mm Notch • Length 113mm 10-403 Straight Notched • Tips – 0.25mm Notched • 6mm tying platform

INTERIOR INSTRUMENTS

15

• Tungsten coated tips

#### **ROUND HANDLE CURVED FORCEPS** 10-506 **Curved Tying** Plain Tying Tips • Tungsten Coating • Length 113mm Curved Tying - with platform 10-506-1 • 6mm tying platform • Tungsten coated tips • Length 113mm 10-520 **Curved Oblique Toothed** • 1 x 2 oblique teeth, 0.12mm • 6mm tying platform • Tungsten coated tips • Length 113mm 10-521 **Curved Bonn Toothed** • 1 x 2 bonn teeth, 0.12mm • 6mm tying platform • Tungsten coated tips • Length 113mm 10-522 **Curved Notched** • Tips – 0.25mm Notched • 6mm tying platform 10-522-1 As above but with 0.2mm Notch • Tungsten coated tips 10-522-2 As above but with 0.3mm Notch • Length 113mm 10-523 **Universal Forceps** • Fine blunt tips • Tungsten Carbide coating for secure grasping • Multi-functional forceps useful for cataract, glaucoma

and vitreoretinal surgeries

### **ROUND HANDLE CAPSULORHEXIS FORCEPS**



HOON	D HANDLE OAI OCCOMMENTO I ONOLI	OFTICO CE
10-507	Capsulorhexis Utrata Curved	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Gentle curve from bend to tip</li> </ul>
10-507	-1 As above but with Tip to Angle 13mm	• Length 112mm
10-508	Capsulorhexis Utrata Straight	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Straight from bend to tip</li> </ul>
10-508	-3 As above but with Tip to Angle 11mm	• Length 112mm
10-509	Capsulorhexis Corydon Straight	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Straight from bend to tip</li> </ul>
		• Length 112mm
10-510	Capsulorhexis Corydon Curved	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Gentle curve from bend to tip</li> </ul>
		• Length 112mm
ROUN	D HANDLE MCPHERSON FORCEPS	орло «
10-511	McPherson Tving - 8mm	• 45° Anale. Tip to Anale 8mm



ROUND I	HANDLE MCPHERSON FORCEPS	ортко «
10-511	McPherson Tying – 8mm	<ul> <li>45° Angle, Tip to Angle 8mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> <li>Length 111mm</li> </ul>
10-514	McPherson Tying – 7mm	<ul> <li>45° Angle, Tip to Angle 7mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> <li>Length 108mm</li> </ul>
10-515	McPherson Tying – 9mm	<ul> <li>45° Angle, Tip to Angle 9mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> </ul>

• Length 112mm

OPTICO CE

	10-516	McPherson Tying – 10mm	<ul> <li>45° Angle, Tip to Angle 10mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> </ul>		CASTROVI CURVED F	EJO HANDLES ORCEPS	999	
	10-517	McPherson Tying – 12mm	<ul> <li>Length 114mm</li> <li>45° Angle, Tip to Angle 12mm</li> </ul>		10-602	Curved Tying	<ul><li>Plain Tying Tips</li><li>Tungsten coated tips</li><li>Length 102mm</li></ul>	
		, ,	<ul><li>6mm tying platform</li><li>Tungsten coated tips</li></ul>					_
			• Length 116mm		10-603	Curved Tying with Platform	<ul><li>6mm tying platform</li><li>Tungsten coated tips</li><li>Length 102mm</li></ul>	
		IEJO HANDLE FORCEPS	BAR	эх ситчо			20.1gu 102	L
					10-609	Curved Oblique Toothed	<ul><li>1 x 2 oblique teeth, 0.12mm</li><li>6mm Tying Platform</li></ul>	
	10-600	Straight Tying	<ul><li>Plain Tying Tips</li><li>Tungsten coating</li><li>Length 102mm</li></ul>				<ul><li>Tungsten coated tips</li><li>Length 102mm</li></ul>	
	10-601	Straight Tying with Platform	<ul><li>6mm Tying Platform</li><li>Tungsten coated tips</li><li>Length 102mm</li></ul>		10-610	Curved Bonn Toothed	<ul> <li>1 x 2 bonn teeth, 0.12mm</li> <li>6mm Tying Platform</li> <li>Tungsten coated tips</li> <li>Length 102mm</li> </ul>	
	10-606	Straight Notched	• 0.25mm Notch					_
	10-606-1	As above but with 0.2mm Notch	<ul><li>6mm tying platform</li><li>Tungsten coated tips</li></ul>		10-611	Curved Notched	<ul><li>0.25mm Notch</li><li>6mm Tying platform</li></ul>	
O NE	10-606-2	As above but with 0.3mm Notch	• Length 102mm		10-611-1 10-611-2	As above but with 0.2mm Notch As above but with 0.3mm Notch	• Length 102mm	
אטאופאון אטואין	10-607	Straight Oblique Toothed	<ul> <li>1 x 2 oblique teeth, 0.12mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> <li>Length 102mm</li> </ul>		10-620	Universal Forceps	<ul> <li>Fine blunt tips</li> <li>Tungsten Carbide coating for secure grasping</li> <li>Multi-functional forceps useful</li> </ul>	
AIN	10-608	Straight Bonn Toothed	<ul> <li>1 x 2 bonn teeth, 0.12mm</li> <li>6mm tying platform</li> <li>Tungsten coated tips</li> </ul>				for cataract, glaucoma and vitreoretinal surgeries	

• Length 102mm

#### **CASTROVIEJO HANDLES CAPSULORHEXIS FORCEPS**



10-604 10-604-1	Capsulorhexis Utrata Straight As above but Tip to Angle 11mm	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Straight from bend to tip total length 100mm</li> <li>Length 101mm</li> </ul>
10-605 10-605-1	Capsulorhexis Utrata Curved As above but Tip to Angle 11mm	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Gentle curve from bend to tip</li> <li>Length 100mm</li> </ul>
10-612	Capsulorhexis Corydon Straight	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Straight from bend to tip</li> <li>Length 101mm</li> </ul>
10-613	Capsulorhexis Corydon Curved	<ul> <li>45° Angle, Tip to Angle 12mm</li> <li>Gentle curve from bend to tip</li> <li>Length 100mm</li> </ul>

#### **CASTROVIEJO HANDLES** McPHERSON FORCEPS

10-614

10-617



	, 0	<ul><li>6mm tying platfo</li><li>Tungsten coated</li><li>Length 100mm</li></ul>
10-615	McPherson Tying – 9mm	<ul><li>45° Angle, Tip to</li><li>6mm tying platfo</li><li>Tungsten coated</li><li>Length 100mm</li></ul>
10-616	McPherson Tying – 10mm	<ul><li>45° Angle, Tip to</li><li>6mm tying platfo</li><li>Tungsten coated</li></ul>

McPherson Tying – 12mm

McPherson Tying – 7mm







45° Angle, Tip to Angle 9mm	
6mm tying platform	Games II
Tungsten coated tips	
Length 100mm	

- 45° Angle, Tip to Angle 10mm
  - 6mm tying platform Tungsten coated tips





#### **CROSS ACTION CAPSULORHEXIS FORCEPS**

#### 10-704 **Cross Action Serrated Capsulorheixs**

- 45° Angle, Tip to Angle 14mm
- Serrated interlocking tips for enhanced gripping of capsule
- Gentle curve from bend to tip
- Length 105mm



#### **Cross Action Capsulorhexis** 10-705

- 45° Angle, Tip to Angle 14mm
- Cross hatch lines on tips for enhanced gripping of capsule
- Gentle curve from bend to tip
- Length 105mm



#### CAPSULORHEXIS FORCEPS CONTROLLED OPENING

The following micro capsulorhexis forceps have been designed for use in sub 2mm incisions and have restricted opening to reduce wound stretching and distortion.

#### 10-618 Capsulorhexis Forceps

- 45° Angle, tip to Angle 12mm
- Gentle curve from bend to tips
- Cross hatch lines on tips for enhanced gripping of capsule



#### 10-619 Capsulorhexis Forceps

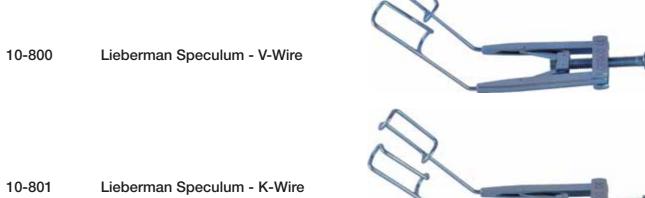
- 45° Angle, tip to Angle 12mm
- Scalloped Tips
- Gentle curve from bend to tips
- Interlocking teeth on tips for enhanced gripping



OFFICO CE

### **IOL INSTRUMENTS** 10-706 **Cross Action Nucleus Cracker** • Overall length – 95mm • Tips – 1.5 x 1.3 Paddle Style • 30° Angle, Tip to Angle 16mm IOL Lens Cutter - Angled 10-707 • Overall length – 93mm • 145° Angled Scissors • Length of Tips – 8mm • Width of Tips – 0.50mm 10-708 IOL Lens Cutter - Straight Overall length – 95mm Straight Scissors • Length of Tips – 8mm • Width of Tips – 0.50mm 20-101 IOL Insertion Forceps – without lock Without lock • Fine, highly polished 20-102 IOL Insertion Forceps - with lock With lock • Fine, highly polished tip 20-104 IOL Folding Forceps - Flat Handle Overall length – 110mm Direct Action • 6mm IOL

20-105	IOL Folding Forceps – Castroviejo Handle  • Overall length – 105mm  • Direct Action  • 5.5/6mm IOL's
20-106	Lens Holding Forceps  • Overall length – 110mm  • Kelman/McPherson – Polished tips
20-112	IOL Insertion Forceps – Flat Handle  • 11mm smooth, highly polished jaws  • 55° Angle  • Total length 113mm
20-115	Akahoshi Prechopper  • Designed to prechop soft nuclei to reduce phaco time
20-116	Micro Prechopper  • Tip of instrument has a sharp point to penetrate the nucleus  • Designed to crack nucleus with minimal stretching of wound
SPECULUM	
10-800	Lieberman Speculum - V-Wire



## PROBES, SPATULAS AND HOOKS Single End

The instruments shown below are just a small selection of our most popular probes, spatulas and hooks. We manufacture an extensive range, so if your instrument requirement is not featured below please contact us for assistance.



#### 30-101 DSAEK Spatula

- Tip to bend 13mm
- 60° Angled
- Length 112mm



30-105 Extra Fine Sinskey Hook

- 45° Angled Tip
- Tip to angle 10mm
- Length 115mm



30-110 Angled "Y" Pusher

- 45° Angled 'Y' Tip
- Tip to angle 10mm
- Length 103mm





- 45° Angled Tip
- Tip to angle 10mm
- Length 105mm



#### 30-113 Phaco Spatula Blunt

- 45° Angled Tip
- Tip to angle 12mm
- Length 105mm



#### 30-114 Nucleus Manipulator

- 45° Angled Tip
- Tip to angle 10mm
- Length 106mm



- 30-115 Angled 90° Nucleus Divider
- 45° Angled Tip
- Tip to angle 12mmLength 111mm



- 30-116 Angled 60° Nucleus Divider
- 45° Angled Tip
- Tip to Angle 12mm Length 111mm



#### 30-118 Lester Style Lens Manipulator – Straight

- Straight along entire length of shaft
- Length 116mm



# 30-119 ReverseSinskey Hook45° Angled Tip

- 45° Angled TipentireIdeal for scoring and
  - stripping Descemet membranes in DSEK Procedures
  - Length 111mm



#### 30-123 Neuhann Nucleus Dividing – Hook

- Tip to bend 10mm
- Angled with curved front
- Delicate rounded tip



- 30-124 ICL Manipulator
- Tip to bend 13mm
- 45° Angle
- Slightly curved sandblasted tips



- 30-125 ICL Manipulator
- Tip to bend 8mm
- 20° Angle
- Sand blasted tip



## 0.8mm

30-126 Spatula,

- Tip to bend 10mm
- 45° Angle
- Blunt tip





Double End probes can be made using any combination of the above tips

#### NEEDLEHOLDERS Curved



40-101	Needleholder with lock – 110mm	<ul><li>Fine Curved Jaws</li><li>With Lock</li></ul>
40-102	Needleholder without lock – 110mm	<ul><li>Fine Curved Jaws</li><li>Without Lock</li></ul>
40-103	Needleholder with lock – 127mm	<ul><li>Fine Curved Jaws</li><li>With Lock</li></ul>
40-104	Needleholder without lock – 127mm	<ul><li>Fine Curved Jaws</li><li>Without lock</li></ul>
40-109	Fine Curved Needleholder without lock	<ul><li>Fine Curved Jaws</li><li>Without lock</li></ul>
40-105	Barraquer Needleholder with lock – 127mm	<ul><li>Curved Jaws</li><li>With lock</li></ul>
40-106	Barraquer Needleholder without lock – 127mm	<ul><li>Curved Jaws</li><li>Without lock</li></ul>
40-107	Barraquer Needleholder with lock – 110mm	<ul><li>Curved Jaws</li><li>With lock</li></ul>
40-108	Barraquer Needleholder without lock –110mm	<ul><li>Curved Jaws</li><li>Without lock</li></ul>

### **NEEDLEHOLDERS** Straight



40-201	Needleholder with lock – 110mm	<ul><li>Fine Straight Jaws</li><li>With Lock</li></ul>
40-202	Needleholder without lock – 110mm	<ul><li>Fine Straight Jaws</li><li>Without Lock</li></ul>
40-203	Needleholder with lock – 127mm	<ul><li>Fine Straight Jaws</li><li>With Lock</li></ul>
40-204	Needleholder without lock – 127mm	<ul><li>Fine Straight Jaws</li><li>Without Lock</li></ul>
40-205	Barraquer Neeedleholder with lock – 127mm	<ul><li>Straight Jaws</li><li>With Lock</li></ul>
40-206	Barraquer Needleholder without lock – 127mm	<ul><li>Straight Jaws</li><li>Without lock</li></ul>
40-207	Barraquer Needleholder with lock – 110mm	<ul><li>Straight Jaws</li><li>With lock</li></ul>
40-208	Barraquer Needleholder without lock – 110mm	<ul><li>Straight Jaws</li><li>Without lock</li></ul>
40-210	Short Needleholder	• Length 80mm



Length 80mmStraight Jaws

#### STAINLESS STEEL SCISSORS

Manufactured from 100% German stainless steel.

41-000S	Capsulotomy Scissors, VANNAS, Straight
41-001S	Capsulotomy Scissors, VANNAS, Curved
41-002S	Corneal Transplant Scissors, KATZIN, micro, right
41-003S	Corneal Transplant Scissors, KATZIN, micro, left
41-004S	Tenotomy Scissors, WESTCOTT, curved, blunt tips
41-005S	Micro Iris Spring Handle Scissors, curved, 10cm

#### POSTERIOR INSTRUMENTS

Optico's range of vitreo retinal instruments are designed with a unique squeeze action handle. Made from 6.35mm titanium and increasing to 8mm at the handles grip, these instruments provide surgeons with an optimal gripping action and smooth 360° rotation, whilst remaining lightweight to minimise hand fatigue. The forceps and scissors have stationary distal tips which are made from highly corrosion resistant stainless steel and are available in 20g, 23g 25g and 27g. Many of our instruments can be used with Trocar Systems and these are indicated by the **1** symbol

#### **20G FORCEPS AND SCISSORS**

60-000 20g End Gripping Forceps Length of Shaft – 30mm

- Tip length 3.5mm
- 20g stainless steel fine blunt tipped forceps with small platform on each jaw



• Ideal for precise grasping of delicate membranes

60-100 20g Micro Gripping Forceps Length of Shaft – 30mm

- Tip length 3.5mm
- 20g stainless steel jaws excellent for ILM peeling and precise gripping of fine membranes



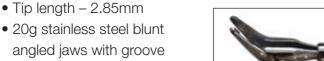
60-101 20g Serrated Forceps Length of Shaft – 30mm

- Tip Length 4mm
- 20g stainless steel serrated jaws excellent for peeling and manipulating coarse and more fibrotic membranes



gripping

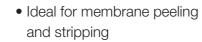
• Serrations provide non-slip



60-106 20g Pick Forceps Length of Shaft – 30mm

POSTERIOR INSTRUMENTS

• 20g stainless steel blunt angled jaws with groove on interior

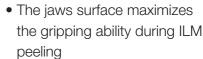


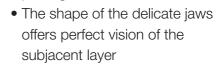


60-107 20g ILM Forceps

Length of shaft – 30mm

• Tip length – 3.5mm







60-108 20g Straight Gripping Forceps With TC Jaws

Length of shaft – 30mm

- Tip length 3mm
- · Straight gripping forceps with tungsten carbide coating applied to inside of jaws to ensure superior gripping of delicate tissues



60-109 20g Asymmetrical Forceps Length of shaft – 30mm

- Tip length 1.4mm
- The curvature of the jaws is perfect to tear and pick up delicate membranes



• Hard wearing tungsten coating on jaws to maximise grip

60-110 20g Ducournau Serrated Forceps

Length of shaft – 30mm

- Tip length 1.5mm
- Serrations on jaws offer enhanced gripping.
- Ideal for precise grasping of delicate membranes



60-200 20g Straight Scissors Length of Shaft – 30mm

- Tip length 3.6mm
- 20g stainless steel straight scissor tips
- Sharp tips are ideal for cutting in the iris plane and cutting peripheral membranes



grasping of fine membranes

• Suitable for use with 23g

trocar system

60-201	20g Curved Scissors Length of Shaft – 30mm	<ul> <li>Tip length – 3mm</li> <li>20g stainless steel curved scissor tips</li> <li>Sharp tipped curved scissors are ideal for cutting parallel to the retina and cutting membranes adherent to the retina surface</li> </ul>	60-301	23g Serrated Forceps  Length of Shaft – 30mm	<ul> <li>Tip length – 1.5mm</li> <li>23g stainless steel serrated jaws excellent for peeling and manipulating thicker membranes</li> <li>Serrations provide non-slip gripping</li> <li>Suitable for use with 23g trocar syste</li> </ul>	
60-202	20g 135° Horizontal Scissors Length of Shaft – 30mm	<ul> <li>Tip length – 3mm</li> <li>20g stainless steel angled tips designed for cutting and dissecting membranes from retina surface</li> </ul>	60-303	23g Scalloped Asymmetrical Forceps  Length of Shaft – 30mm	<ul> <li>Tip length – 0.90mm</li> <li>Curved jaws for precise grasping of ILM or fine epiretinal membranes.</li> <li>Hard wearing tungsten coating on jaws to maximise grip.</li> <li>Curved jaws provides improved visibility</li> </ul>	
60-203	20g 45° Vertical Scissors Length of Shaft – 30mm	<ul> <li>20g stainless steel vertical scissor blades</li> <li>Curved lower edge of scissor blades ensure minimal risk to retina</li> <li>Precise blade alignment and stationary distal blade for precise control during cutting</li> </ul>	60-304	23g Subretinal Forceps  Length of Shaft – 30mm	<ul> <li>Suitable for use with 23g trocar system</li> <li>Tip length – 2mm</li> <li>23g stainless steel forceps excellent for ILM peeling</li> <li>Suitable for use with 23g trocar system</li> </ul>	
23G FORC	CEPS AND SCISSORS		60-305	23g Micro Gripping Long (3mm) (1 Length of Shaft – 30mm	<ul> <li>Long delicate jaws with</li> </ul>	
60-300	23g Micro Gripping Forceps  Length of Shaft – 30mm	<ul> <li>Tip length – 1.2mm</li> <li>23g stainless steel jaws excellent for ILM peeling and precise gripping of fine membranes</li> </ul>			<ul><li>grasping platforms</li><li>Excellent for precise grasping of fine membranes</li><li>Suitable for use with 23g trocar system</li></ul>	
		<ul> <li>Suitable for use with 23g trocar system</li> </ul>	60-305-1	23g Micro Gripping Long (3mm) – Rounded Tips ① Length of Shaft – 30mm	<ul> <li>Tip length – 3mm</li> <li>Delicate jaws with grasping platforms</li> </ul>	
60-300-1	23g Micro Gripping Forceps -	• Tip length – 1.3mm			<ul> <li>Excellent for precise grasping of fine membranes</li> </ul>	

POSTERIOR INSTRUMENTS

Rounded Tips 🕡

Length of shaft – 30mm

• Ideal for ILM peeling and

• Suitable for use with 23g

membranes

trocar system

precise gripping of delicate

POSTERIOR INSTRUMENTS

trocar system

23g Vertical Scissors • Curved lower edge of scissor 60-503 25g ILM Forceps • 60-405 Length of Shaft – 30mm Length of Shaft – 30mm blades ensure minimal risk to retina • Precise blade alignment and stationary distal blades for precise control during cutting • Suitable for use with 23g trocar system 25G FORCEPS AND SCISSORS 60-505 **25g Micro Gripping Long (3mm)** • Tip length – 3mm Length of shaft – 30mm 60-500 25g Micro Gripping Forceps 1 • Tip length – 1.2mm Length of Shaft - 30mm • 25g stainless steel tips excellent for ILM peeling and precise gripping of fine membranes 25g Straight Scissors 1 60-600 • Suitable for use with 25g trocar Length of shaft – 30mm systems 25g Serrated Forceps 1 60-501 • Tip length – 1.5mm Length of Shaft – 30mm • 25g stainless steel serrated tips excellent for peeling and manipulating thicker membranes 60-601 25g Curved Trocar Scissors 1 • Serrations provide non-slip Length of shaft – 30mm gripping POSTERIOR INSTRUMENTS • Suitable for use with 25g trocar systems 60-502 • Tip length – 2mm Length of Shaft – 30mm • 25g stainless steel tip for 60-602 25g Vertical Scissors 1 precise lifting of vitreous Length of shaft – 30mm membranes • Suitable for use with 25g trocar

systems



membranes adherent to the

• Suitable for use with 25g trocar

• Curved lower edge of scissor

blades ensure minimal risk

• Precise blade alignment and

stationary distal blades for precise control during cutting Suitable for use with 25g trocar

retina surface.

system

to retina

system

#### **27G FORCEPS AND SCISSORS**

60-700 60-701

60-800

POSTERIOR INSTRUMENTS

- 27g Micro End Gripping Length of shaft – 30mm
- Tip length 2mm
- 27g stainless steel delicate jaws with grasping platforms
- Excellent for precise grasping of delicate membranes
- Suitable for use with 27g trocar systems
- 27g Serrated Forceps 0 Length of shaft – 30mm
- Tip length 2mm
- 27g stainless steel serrated jaws for non-slip gripping of delicate membranes
- Suitable for use with 27g trocar systems



- 27g Curved Scissors 🕕 Length of shaft – 30mm
- Tip length 1.5mm
- 27g stainless steel gently curved scissors for cutting parallel to the retina
- Suitable for use with 27g trocar systems



All of our products are manufactured in our facility in the UK using only the finest quality materials.



- 65-100 Foreign Body forceps Length of Shaft 30mm
- Stainless steel tips with tungsten coating for improved gripping of intraocular foreign bodies



- 65-100-1 Foreign Body Forceps Length of Shaft – 30mm
- Stainless steel tips with tungsten coating for improved gripping of intraocular foreign bodies



- 65-101 Magnet Foreign Body Forceps Length of Shaft – 30mm
- Small but strong magnet on distal tip is ideal for removing small metal objects



- 65-102 3 Prong Foreign Body Forceps Length of Shaft – 30mm
- Basket style with three prongs for gripping small objects



- 65-103 Foreign Body Forceps -Serrated Jaws
- Serrations on inside of jaws for enhanced gripping of larger objects



- 65-104 **Basket Foreign Body Forceps**
- Three pronged basket style forceps for secure gripping of larger objects



#### Introducing the new

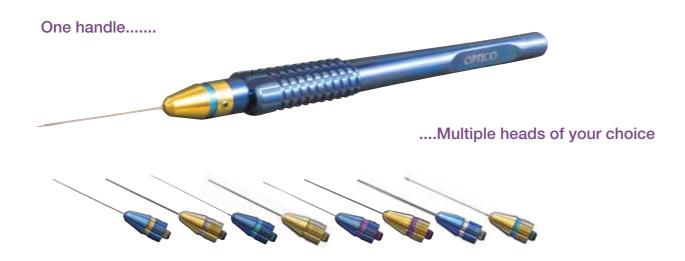
POSTERIOR INSTRUMENTS



OPTICO LTD are proud to introduce the new C Range of micro incision instruments with removable heads. This new range incorporates all the style, performance, comfort and quality you have come to expect from OPTICO products

Easy attachment of heads to handle - just turn and 'CLICK'...

It's never been easier – just choose the instrument heads you require and attach to our smooth action handle.



The removable heads enable easier cleaning of these delicate instruments and each instrument head will be supplied in our unique dual action protection cap and flush adaptor – Combo-Cap.



The instruments available in the C Range are shown below. For full descriptions and tip photos see pages 28 to 37 of this catalogue.

All instrument heads have been colour coded for ease of identification and each instrument is supplied with full assembly instructions.

These heads are for use with our C Range handle which is ordered separately and shown on Page 42 of this catalogue.

Many of our instruments can be used with Trocar Systems and these are indicated by the 🛈 symbol.

20g Micro Gripping Forceps

Length of shaft 30mm

## 20G FORCEPS COLOUR CODED – BLUE HEAD – SILVER BAND



#### 60-000CT

60-106CT

60-109CT

20g End Gripping Forceps Length of shaft 30mm

### 60-107CT

60-100CT

20g Pick Forceps 20g ILM Forceps
Length of shaft 30mm Length of shaft 30mm

20g Asymmetrical Forceps Length of shaft 30mm

#### 60-110CT

20g Ducournau Serrated Forceps Length of shaft 30mm

#### 60-101CT

20g Serrated Forceps Length of shaft 30mm

#### 60-108CT

20g Str Gripping Forceps with TC Jaws Length of shaft 30mm

#### 20G SCISSORS

COLOUR CODED - GOLD HEAD - SILVER BAND



#### 60-200CT

20g Straight Scissors Length of shaft 30mm

#### 60-201CT

20g Curved Scissors Length of shaft 30mm

#### 60-202CT

20g 135° Horizontal Scissors Length of shaft 30mm

60-303CT 23g Scalloped Asymmetrical Length of shaft 30mm

60-305-1CT 23g Micro Gripping Long Rounded Tips Length of shaft 30mm

0 60-307CT 23g Str Micro Gripping With TC Jaws Length of shaft 30mm

60-300-1CT

23g Micro Gripping Forceps Rounded Tips Length of shaft 30mm

0 60-304CT 23g Subretinal Forceps Length of shaft 30mm

0 60-305-2CT 23g Myopic End Gripping Length of shaft 35mm

60-308CT 23g Asymmetrical Forceps Length of shaft 30mm

0

60-301CT

23g Serrated Forceps Length of shaft 30mm

60-305CT 23g Micro Gripping Long (3mm)

0 60-306CT 23g ILM Forceps Length of shaft 30mm

Length of shaft 30mm

23G SCISSORS COLOUR CODED - GOLD HEAD - GOLD BAND

0 60-400CT

23g Straight Scissors Length of shaft 30mm

60-402CT

23g 135° Horizontal Scissors Length of shaft 30mm

60-400-1CT

23g Straight Scissors Length of shaft 33mm

60-402-1CT

23g 135° Horizontal Scissors Blunt Tips Length of shaft 30mm



60-401CT

23g Curved Trocar Scissors Length of shaft 30mm

60-403CT

23g Curved Scissors Length of shaft 30mm 25G FORCEPS COLOUR CODED - BLUE HEAD - PURPLE BAND

0 60-500CT 25g Micro Gripping Forceps

Length of shaft 30mm

60-503CT

25g ILM Forceps

0 60-501CT 25g Serrated Forceps Length of shaft 30mm

0 60-505CT 25g Micro Gripping Long (3mm)

Length of shaft 30mm Length of shaft 30mm

25G SCISSORS COLOUR CODED - GOLD HEAD - PURPLE BAND

0 0 60-601CT 60-600CT 25g Straight Scissors 25g Curved Scissors Length of shaft 30mm Length of shaft 30mm

**27G FORCEPS** COLOUR CODED - BLUE HEAD - GREEN BAND

0 60-700CT 60-701CT 27g Micro End Gripping 27g Serrated Forceps Length of shaft 30mm Length of shaft 30mm

**27G SCISSORS** COLOUR CODED - GOLD HEAD - GREEN BAND

0 60-800CT 27g Curved Scissors Length of shaft 30mm

C RANGE HANDLE

Lightweight titanium handle with bayonet fitting for use with all C Range heads.

61-000CT



60-502CT

25g Pick Forceps

Length of shaft 30mm

#### MEMBRANE INSTRUMENTS 23G - COLOUR CODED - Purple 80-100 23g Membrane Spatula Curved • Ø 6.35mm Titanium Handle • 23g Stainless Steel blunt curved spatula for manipulating retinal membranes 23g Membrane Pick 80-101 • Ø 6.35mm Titanium handle • 23g Stainless steel tip for picking delicate membranes 20G - COLOUR CODED - Gold OPTICO CE 80-102 20g Membrane Spatula • Ø 6.35mm Titanium handl with Knife edge • 20g Stainless steel membrane spatula with knife edge for dissection of retinal membranes 80-103 20g Membrane Spatula Curved • Ø 6.35mm Titanium handle • 20g Stainless Steel blunt curved spatula for manipulating retinal membranes 80-104 20g Membrane Pick • Ø 6.35mm Titanium handle • 20g Stainless steel 90° Pick 80-105 20g Membrane Peeler • Ø 6.35mm Titanium handle • 20g Stainless steel blunt, rounded tip with groove in shaft for peeling membranes 80-106 • Ø 6.35mm Titanium handle 20g Membrane Knob • 20g Stainless steel angled tip with smooth ball shape, ideal for gentle manipulation of

delicate membranes

POSTERIOR INSTRUMENTS



# 70-103

#### STERILISING TRAYS

SCLERAL DEPRESSOR

85-000 Plastic sterilising tray with customised silicone inserts to hold one Optico VR instrument

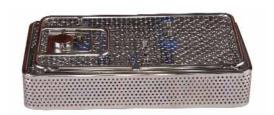


These Micro wash wire trays are strong and durable and have been specifically designed to hold the OPTICO C RANGE instruments. Two examples are shown below but a variety of combinations are possible to suite your needs so please contact customer services with your special request.

85-001	Microwash wire sterilising tray designed to hold
	OPTICO C RANGE - One Handle, One Head



85-002 Microwash wire sterilising tray designed to hold OPTICO C RANGE – Two Handles, Two Heads



## Index

Part	Description	Page	Part	Description	Page	Part	Description	Page	Part	Description	Page
No.	•	No	No.		No	No.		No	No.		No
MICRO	ANTERIOR FORCEPS		10-106	Straight Notched – 0.25mm notch	10	10-521	Curved Bonn Toothed	16	20-101	IOL Insertion Forceps – without lock	22
		0	10-106-1	Straight Notched – 0.2mm notch	10	10-522	Curved Notched – 0.25mm notch	16	20-102	IOL Insertion Forceps – with lock	22
50-101	23g Micro Capsulorhexis Forceps -	2	10-106-2	Straight Notched – 0.3mm notch	10	10-522-1	Curved Notched – 0.2mm notch	16	20-104	IOL Folding Forceps – Flat Handle	22
50-102	25mm shaft	2		•		10-522-2	Curved Notched – 0.3mm notch	16	20-105	IOL Folding Forceps – Castroviejo Handle	23
30-102	23g Micro Capsulorhexis Forceps - 15mm shaft	2		NDLE CURVED FORCEPS	40	10-523	Universal Forceps	16	20-106	Lens Holding Forceps	23
50-103	21q Micro Capsulorhexis Forceps	2	10-107	Curved Tying	10	DOLIND	HANDLE CAPSULORHEXIS FORCEPS		20-112	IOL Insertion Forceps – Flat Handle	23
30-103	25mm shaft	۷	10-108	Curved Tying with platform Curved Oblique Toothed	10 10		Capsulorhexis Utrata Curved – 12mm	17	20-115	Akahoshi Prechopper	23
50-104	23g Golenvaux Micro Capsulorhexis	2	10-109 10-110	Curved Bonn Toothed	10	10-507 10-507-1	Capsulorhexis Otrata Curved – 12mm  Capsulorhexis Utrata Curved – 13mm	17	20-116	Micro Prechopper	23
50-105	21g Micro Capsulorhexis Forceps -	2	10-110	Curved Notched – 0.25mm notch	11	10-508	Capsulornexis Otrata Curved – 13mm  Capsulorhexis Utrata Straight – 12mm	17	SPECUL	LIM	
00 100	15mm shaft	_	10-111	Curved Notched – 0.25mm notch	11	10-508-3		17	10-800	Lieberman Speculum – V-Wire	23
50-106	23g Serrated Forceps	3	10-111-2	Curved Notched – 0.2mm notch`	11	10-509	Capsulornexis Otrata Straight — Thirm  Capsulorhexis Corydon Straight	17	10-800	Lieberman Speculum – K-Wire	23
00 .00	in Curved Shaft	· ·	10-111-2	Odived Notched – 0.3mm Hoton	11	10-510	Capsulorhexis Corydon Curved	17		·	20
50-203	23g PRASAD Micro Grasping Forceps	3	FLAT HA	NDLE CAPSULORHEXIS FORCEPS				17		S, SPATULAS, HOOKS	
50-204	23g PRASAD Micro Tying Forceps	3	10-112	Capsulorhexis Utrata Curved	11		HANDLE MCPHERSON FORCEPS		30-101	DSAEK Spatula	24
MICPO	ANTERIOR SCISSORS		10-113	Capsulorhexis Utrata Straight	11	10-511	McPherson Tying – 8mm	17	30-105	Extra Fine Sinskey Hook	24
50-201	23g Multi Purpose Scissors – 25mm shaft	3	10-114	Capsulorhexis Corydon Curved	11	10-514	McPherson Tying – 7mm	17	30-110	Angled 'Y' Pusher	24
50-201	23g Multi Purpose Scissors – 25mm shaft	3	10-115	Capsulorhexis Corydon Straight	11	10-515	McPherson Tying – 9mm	17	30-111	Lester Style Lens Manipulator – Angled	24
50-202	23g Multi Purpose Scissors – Horizontal Blades -		EI AT HA	NDLE MCPHERSON FORCEPS		10-516	McPherson Tying – 10mm	18	30-113	Phaco Spatula Blunt	24
50-201-1	25g Multi Furpose Scissors – Horizontal Blades - 15mm shaft	- 4	10-300	McPherson Tying – 7mm	12	10-517	McPherson Tying – 12mm	18	30-114	Nucleus Manipulator	24
50-201-2		- 4	10-300	McPherson Tying – 9mm	12	CASTRO	VIEJO HANDLE STRAIGHT FORCEPS		30-115	Angled 90° Nucleus Divider	24
00 201 2	21mm shaft		10-301	McPherson Tying – 3mm	12	10-600	Straight Tying	18	30-116	Angled 60° Nucleus Divider	24
50-201-3		- 4	10-303	McPherson Tving – 12mm	12	10-601	Straight Tying with platform	18	30-118	Lester Style Lens Manipulator – Straight	24
00 20. 0	25mm shaft		10-304	McPherson Toothed – 7mm	12	10-606	Straight Notched – 0.25mm notch	18	30-119 30-123	Reverse Sinskey Hook	24
50-207	23g Curved Scissors – 30mm shaft	4	10-305	McPherson Toothed – 10mm	12	10-606-1	Straight Notched – 0.2mm notch	18		Neuhann Nucleus Dividing Hook	24 24
50-207-1	23g Curved Scissors – 15mm shaft	4			12	10-606-2	Straight Notched – 0.3mm notch	18	30-124 30-125	ICL Manipulator	24
50-211	23g 135° Horizontal Scissors	4		NDLE COLIBRI FORCEPS		10-607	Straight Oblique Toothed	18	30-125	ICL Manipulator Spatula, 0.8mm	24 24
	•		10-201	Colibri Tying	13	10-608	Straight Bonn Toothed	18	Double En	•	24
	A FORCEPS	_	10-201-1	Colibri Tying with platform	13	CASTDO	OVIEJO HANDLE CURVED FORCEPS				24
50-205	23g Cornea Forceps – Side orientation	5	10-203	Colibri Notched – 0.25mm notch	13			10	NEEDLE	HOLDERS – CURVED	
50-208	23g Cornea Forceps – Front orientation	5	10-206	Colibri Notched – 0.2mm notch	13	10-602 10-603	Curved Tying Curved Tying with platform	19 19	40-101	Needleholder with lock – 110mm	25
CAPSUL	ORHEXIS MARKER		10-211	Colibri Bonn Toothed – with platform	13	10-609	Curved Oblique Toothed	19	40-102	Needleholder without lock – 110mm	25
35-200	Single End Marker – 6mm	5	10-212	Colibri Bonn Toothed – no platform	13	10-610	Curved Bonn Toothed	19	40-103	Needleholder with lock – 127mm	25
35-201	Single End Marker – 5.5mm	5	10-213	Colibri Oblique Toothed – with platform	13	10-611	Curved Notched – 0.25mm notch	19	40-104	Needleholder without lock – 127mm	25
35-202	Double End Marker – 6mm/5.5mm	5	10-214	Colibri Oblique Toothed – no platform	13	10-611-1	Curved Notched – 0.25mm notch	19	40-109	Fine Curved Needleholder without lock	25
IOI FOR	CEPS AND SCISSORS		COLIBRI	'S' STYLE		10-611-2	Curved Notched – 0.3mm notch	19	40-105	Barraquer Needleholder with lock – 127mm	25
50-213	20g ICL Loading Forceps	6	10-220	Colibri 'S' Style Tying	14	10-620	Universal Forceps	19	40-106	Barraquer Needleholder without lock – 127mm	
50-214	20g IOL Holding Forceps	6	10-221	Colibri 'S' Style Bonn Toothed	14		·		40-107	Barraquer Needleholder with lock – 110mm	25
50-217	21g IOL Grasping Forceps	6	10-222	Colibri 'S' Style Oblique Toothed	14		VIEJO HANDLES CAPSULORHEXIS FO		40-108	Barraquer Needelholder without lock – 110mm	25
50-219	23g Serrated IOL Holder	6	10-223	Colibri 'S' Style Notched	14	10-604	Capsulorhexis Utrata Straight – 12mm	20	NEEDLE	HOLDERS – STRAIGHT	
00 210	209 00114:00 102 110:001	Ü	LONG FL	AT HANDLE – 115MM		10-604-1	Capsulorhexis Utrata Straight – 11mm	20	40-201	Needleholder with lock – 110mm	26
50-215	18g IOL Scissors – Curved shaft	7	10-401	Straight Tying with platform	14	10-605	Capsulorhexis Utrata Curved – 12mm	20	40-202	Needleholder without lock - 110mm	26
50-216	18g IOL Scissors – Straight shaft	7	10-401-1	Straight Tying	14	10-605-1	Capsulorhexis Utrata Curved – 11mm	20	40-203	Needleholder with lock – 127mm	26
50-218	18g Acrylic IOL Scissors – Straight shaft	7	10-402	Bonn Toothed	14	10-612	Capsulorhexis Corydon Straight	20	40-204	Needleholder without lock – 127mm	26
50-218-1	18g Acrylic IOL Scissors – Curved shaft	7	10-403	Straight Notched	14	10-613	Capsulorhexis Corydon Curved	20	40-205	Barraquer Needleholder with lock - 127mm	26
LIADTIO			10-404	Curved Tying with platform	15	CASTRO	VIEJO HANDLES MCPHERSON FORCE	PS	40-206	Barraquer Needleholder without lock – 127mm	26
HAPTIC		_	10-404-1	Curved Tying	15	10-614	McPherson Tying – 7mm	20	40-207	Barraquer Needleholder with lock – 110mm	26
50-206	20g Haptic Cutter	7	10-405	Curved Notched	15	10-615	McPherson Tying – 9mm	20	40-208	Barraquer Needleholder without lock – 110mm	26
GLAUCO	DMA INSTRUMENTS				.0	10-616	McPherson Tying – 10mm	20	40-210	Short Needleholder	26
50-300	Glaucoma Punch – 0.5mm	8		HANDLE STRAIGHT FORCEPS		10-617	McPherson Tying – 12mm	20	STAINI F	SS STEEL SCISSORS	
50-301	Glaucoma Punch - 0.75mm	8	10-501	Straight Tying	15	CROSS	ACTION CAPSULORHEXIS		41-000S	Capsulotomy Scissors, VANNAS, Straight	27
50-302	Glaucoma Punch - 0.6mm	8	10-502	Straight Tying with platform	15	10-704	Cross Action Serrated Capsulorhexis	21	41-001S	Capsulotomy Scissors, VANNAS, Curved	27
ΕΙ ΔΤ ΗΔ	NDLE STRAIGHT FORCEPS		10-503	Bonn Toothed	15	10-705	Cross Action Capsulorhexis	21	41-002S	Corneal Transplant Scissors, KATZIN, right	27
10-100-1	Dressing Forceps	9	10-504	Oblique Toothed	15		·	2.1	41-003S	Corneal Transplant Scissors, KATZIN, left	27
10-100-1	Straight Tying	9	10-505	Straight Notched – 0.25mm notch	15		ORHEXIS CONTROLLED OPENING		41-004S	Tenotomy Scissors, WESTCOTT, blunt	27
10-101	Straight Tying Straight Tying with platform	9	10-505-1	Straight Notched – 0.2mm notch	15	10-618	Capsulorhexis Forceps	21	41-005S	Micro Iris Spring Handle Scissors	27
10-102	Straight Oblique Toothed – 0.12mm teeth	9	10-505-2	Straight Notched – 0.3mm notch	15	10-619	Capsulorhexis Forceps – Scalloped tips	21			_,
10-103	Straight Oblique Toothed – 0.12mm teeth	9	ROUND	HANDLE CURVED FORCEPS		IOL INST	TRUMENTS		20G FOF	RCEPS AND SCISSORS	
10-103-1	Straight Bonn Toothed – 0.12mm teeth	9	10-506	Curved Tying	16	10-706	Cross Action Nucleus Cracker	22	60-000	20g End Gripping Forceps	28
10-104-1	Straight Bonn Toothed – 0.12mm teeth	9	10-506-1	Curved Tying with platform	16	10-707	IOL Lens Cutter – Angled	22	60-100	20g Micro Gripping Forceps	28
10-105	Straight Oblique Toothed	10	10-520	Curved Oblique Toothed	16	10-708	IOL Lens Cutter – Straight	22	60-101	20g Serrated Forceps	28
.0 100		. 5	I				Ť		I		

 $\downarrow$  45

60-107 20				
60-107 20	g Pick Forceps	28	C BANGE	- 20G SCISSORS HE
	g ILM Forceps	29	60-200CT	
60-108 20	g Straight Gripping Forceps	29	60-201CT	20g Curved Scissors
	g Asymmetrical Forceps	29	60-202CT	20g 135° Horizontal Scis
	g Ducournau Serrated Forceps	29		o .
60-200 20	g Straight Scissors	29		- 23G FORCEPS HEA
60-201 20	g Curved Scissors	30	60-300CT	0 11 0
60-202 209	g 135° Horizontal Scissors	30	60-301CT	23g Micro Gripping Forc 23g Serrated Forceps
60-203 209	g 45° Vertical Scissors	30	60-303CT	23g Scalloped Asymmet
23G FORCEP	S AND SCISSORS		60-304CT	23g Subretinal Forceps
	g Micro Gripping Forceps	30	60-305CT	23g Micro Gripping Long
	g Micro Gripping Forceps – Rounded Tips	30		23g Micro Gripping Long
·	g Serrated Forceps	31	60-305-2CT	23g Myopic End Grippin
	g Scalloped Asymmetrical Forceps	31	60-306CT	23g ILM Forceps
	g Subretinal Forceps	31	60-307CT	23g Straight Micro Gripp
	g Micro Gripping Long (3mm)	31	60-308CT	23g Asymmetrical Force
·	g Micro Gripping Long (3mm) – Rounded Tips	31	C RANGE	- 23G SCISSORS HE
	g Myopic End Gripping Forceps	32	60-400CT	23g Straight Scissors - 3
	g ILM Forceps	32	60-400-1CT	23g Straight Scissors - 3
	g Straight Micro Gripping g Asymmetrical Forceps	32 32	60-401CT	23g Curved Trocar Sciss
•	g Asymmetrical Forceps g Straight Scissors – 30mm shaft	32	60-402CT	23g 135° Horizontal Scis
	g Straight Scissors – 30mm shaft	33	60-402-1CT	23g 135° Horizontal Sci
,	g Curved Trocar Scissors	33	60-403CT	23g Curved Scissors
	g 135° Horizontal Scissors	33	C BANGE	- 25G FORCEPS HEA
	g 135° Horizontal Scissors – Blunt tips	33	60-500CT	25g Micro Gripping Forc
	g Curved Scissors	33	60-501CT	25g Serrated Forceps
	g Vertical Scissors – Blunt tips	33	60-502CT	25g Serrated Forceps
	g Vertical Scissors	34	60-503CT	25g ILM Forceps
	S AND SCISSORS		60-505CT	25g Micro Gripping Long
	g Micro Gripping Forceps	34	C BANGE	- 25G SCISSORS HE
	g Serrated Forceps	34	60-600CT	25g Straight Scissors
	g Serrated Forceps	34	60-601CT	25g Curved Trocar Sciss
	g ILM Forceps	35		· ·
	g Micro Gripping Long (3mm)	35		- 27G FORCEPS HEA
	g Straight Scissors	35	60-700CT	0 11 0
	g Curved Trocar Scissors	35	60-701CT	
60-602 25	g Vertical Scissors	35	C RANGE	- 27G SCISSORS HE
	S AND SCISSORS		60-800CT	27g Curved Scissors
	g Micro End Gripping	36	C RANGE	HANDLE
	g Serrated Forceps	36	61-000CT	C Range Handle
,	g Curved Scissors	36	MEMBDA	NE INSTRUMENTS
FOREIGN BO	DY FORCEPS		80-100	23g Membrane Spatula
	reign Body Forceps	37	80-101	23g Membrane Pick
	reign Body Forceps	37	80-102	Membrane Spatula with
	agnet Foreign Body Forceps	37	80-103	Membrane Spatula Curv
	Prong Foreign Body Forceps	37	80-104	Membrane Pick
	reign Body Forceps – Serrated Jaws	37	80-105	Membrane Peeler
	sket Foreign Body Forceps	37	80-106	Membrane Knob
C RANGE - 2	0G FORCEPS HEAD IN COMBO-CAP		80-107	25g Membrane Pick
60-000CT 20g	g End Gripping Forceps	39	SCLERAL	DEPRESSOR
	g Micro Gripping Forceps	39	70-103	Scleral Depressor
60-101CT 20	g Serrated Forceps	39	STERII ISI	NG TRAYS
60-106CT 20g	g Pick Forceps	39	85-000	Sterilising tray
60-107CT 20g	g ILM Forceps	39	85-001	Microwash wire sterilising
	g Straight Gripping Forceps	39	85-002	Microwash wire sterilising
	g Asymmetrical Forceps	39	35 552	
60-110CT 20g	g Ducournau Serrated Forceps	39		

HEAD IN COMBO-CAP cissors EAD IN COMBO-CAP rceps – Rounded Tips netrical Forceps ong (3mm) ong (3mm) – Rounded Tips ing Forceps pping ceps IEAD IN COMBO-CAP - 30mm shaft - 33mm shaft ssors cissors cissors – Blunt tips EAD IN COMBO-CAP rceps ng (3mm) HEAD IN COMBO-CAP ssors EAD IN COMBO-CAP HEAD IN COMBO-CAP a Curved th knife edge ing tray ing tray

Page No
39
39 39
40 40
40 40
40 40 40
40 40 40
40
40 40 40
40 40 40
41
41 41 41
41
41 41
41 41
41
41
42 42
42 42 42 42
42 42 43 43
43
43 43
43





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