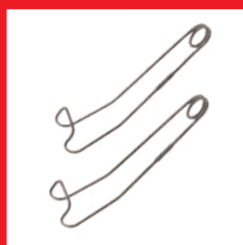
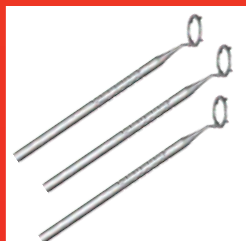




OPHTHALMIC SURGICAL INSTRUMENTS

**INNOVATIONS FOR  
Better Outcomes**

# AE-1000 Series



**INNOVATIONS**  
**for Better Outcomes®**





# ASICO® AE-1000 Series

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Aspirating speculums are made of stainless steel and connected to silicone tubing. This speculum is most useful for phaco or LASIK procedures where BSS (Balanced Salt Solution) is used.

ASICO's aspirating speculums are supplied with a silicone tubing which should be connected to the operating room suction at a low setting. The silicone tubing can also be connected to a 50 cc syringe or small vacuum pump. When the syringe is placed on a lower level than the patient's head, gravity in conjunction with the vacuum aspirates the BSS.

To clean the speculum, flush it with distilled water after each and every use and before sterilizing. The silicone tubing, along with the speculum, can also be sterilized. If you have any questions regarding the use of or care of ASICO speculums, please call our customer service.

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## Barraquer

Wire Speculum

**AE-1001** Small

**AE-1002** Large

**AE-1003** Heavy wire; Adult size



## Pannu-Barraquer

Aspirating Wire Speculum

**AE-1005**

Used with suction set on low or with syringe  
(tubing not shown)



## Pannu-Bansal

Aspirating Wire LASIK Speculum

**AE-1006**

Used with suction set on low or with syringe  
(tubing not shown)



## Kobayakawa

Middle Speculum

**AE-1009**

Shorter overall length reduces the tension to temporal side during surgery.

Middle refers to a medium size speculum optimal for cataract surgery.



## Kobayakawa

Aspirating Middle Speculum, 7-holes

**AE-1009AN**





## Barraquer

Solid Blade Wire Speculum

**AE-1010** Small

**AE-1011** Large



## Bansal-Koch

Nasal Cataract Wire Speculum

**AE-1012**

Solid blades



## Bansal

Nasal LASIK Wire Speculum

**AE-1013**

Solid blades

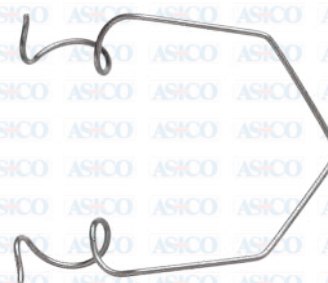


## Miyoshi

Small Orbit Speculum

**AE-1014**

Wire model; Designed for Asian eyes and small orbits; Maximum lid opening; Minimum rise of vitreous pressure; Optimum patient comfort; Recommended for any anterior segment procedure



## Miyoshi

Aspirating Speculum

**AE-1014AN**

Slits are precisely designed to assist in effective aspiration; Adjustable and aspirating model; Designed for Asian eyes and small orbits



## Miyoshi

Small Orbit Adjustable Speculum

**AE-1014N**

Maximum lid opening; Minimum rise of vitreous pressure; Optimum patient comfort; Recommended for any anterior segment procedure



## Infant

Wire Speculum

**AE-1015**

4 mm blade length



## Miyoshi

"Z" LASIK Speculum

**AE-1016**

Open wire design allows more room for the suction ring to get down to the eye; Rounded shape of the blades under the lids is more comfortable for the patient

Disclaimer : "Z" is a trademark of Ziemer



## Tubing Set

For Aspirating Speculums

**AE-1017**



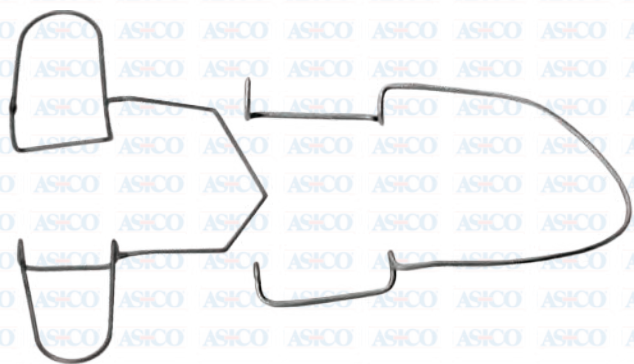
## Kratz-Barraquer

Wire Speculum

**AE-1018 With wings**

For retracting the surgical drape while allowing unobstructed access to the cataract incision with the Phaco or I/A tip

**AE-1019 Phaco with round edge**



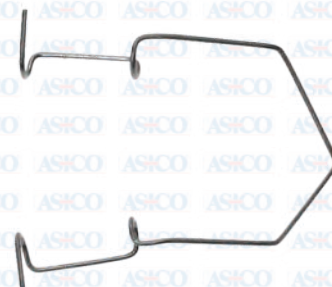


## Kratz-Barraquer

Wire Speculum

**AE-1020**

Open blades for easy access to the cataract incision with the Phaco or I/A tip



## Pannu-Kratz-Barraquer

Aspirating Speculum

**AE-1021**

Used with suction set on low or with syringe



## Kratz-Barraquer

Heavy Wire Speculum

**AE-1022**

Open blades for easy access to the cataract incision with the Phaco or I/A tip



## Akahoshi

3-Prong Cataract Speculum

**AE-1023**

3-prong nasal speculum for easy temporal access; Adjustable self-locking mechanism



## Nasal

Wire Speculum

**AE-1024**

Open blades for easy access to the cataract incision with the Phaco or I/A tip







## Akahoshi

3-Prong Speculum with Square Lock

**AE-1025**

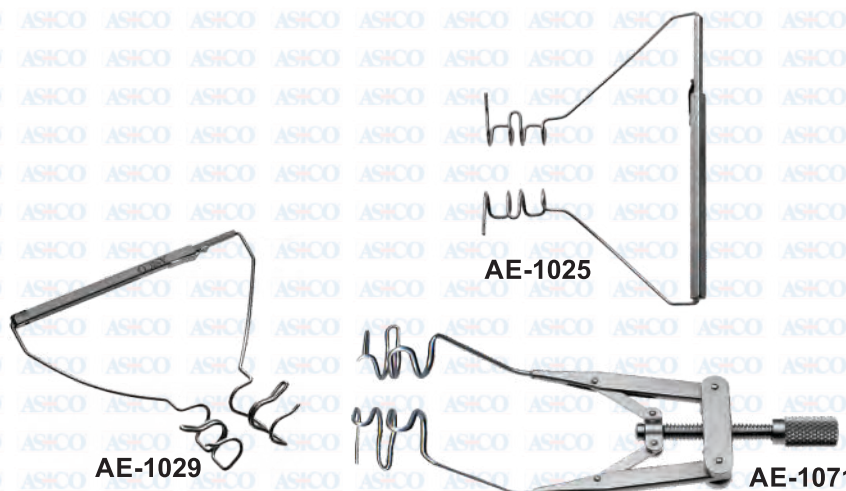
Thin wire for increased visibility of the surgical field; Adjustable, square lock accommodates various lid sizes; 3-prong design prevents cilia from protruding out of the surgical drape

**AE-1026** For deep set eyes

**AE-1029** 2-prong version

**AE-1029L** 2-prong version for deep set eyes and/or narrow lids

**AE-1071** 2-prong adjustable version



## Akahoshi

1-Prong Speculum with Square Lock

**AE-1027**

Thin wire for increased visibility of the surgical field; Adjustable, square lock accommodates various lid sizes; Ideal for regular size eyes

**AE-1028** For deep set eyes



## Simcoe-Barraquer

Wire Speculum

**AE-1030**

For retracting the surgical drape



## Slade

LASIK Wire Speculum

**AE-1031**

Accommodates the suction ring of the microkeratome





## Murdoch-Slade



LASIK Speculum

**AE-1033**

Self-locking speculum



## Crozafon



Femtosecond Speculum

**AE-1034**

Bend in the speculum allows it not to interfere with the suction tube of the patient interface, thereby easing docking and providing a wide opening of the lids



## Modi



Femtosecond Speculum

**AE-1037**

Adjustable speculum with silicone tubing on the blades that assists in pushing the conjunctiva away



## Nordan

Olive Tip Speculum

**AE-1038N**



## Manche

LASIK Speculum

**AE-1039N**

Designed specifically for superior hinge LASIK





## Lieberman

Adjustable Aspirating Speculum

**AE-1040AN**

Used with suction set on low or with syringe



## Lieberman

Speculum, K-style

**AE-1040K**

Adjustable K-wire speculum with Kratz style open wire blades;  
Adjustable mechanism with thumb screw control



## Lieberman

Adjustable Eye Speculum

**AE-1040N**



## Lieberman

Speculum, V-style

**AE-1040V**

V-shaped 15 mm blades are designed to retain the surgical drape under the eyelids





### **Kraff-Sugita**

Nasal Adjustable Aspirating  
Wire Speculum

**AE-1041AN**

Used with suction set on  
low or with syringe



### **Kraff-Sugita**

Nasal Adjustable Aspirating  
Wire Speculum, Small Blades

**AE-1041AS**

Smaller blades



### **Kraff**

Nasal Adjustable LASIK Wire Speculum

**AE-1041N**



### **Slade**

Adjustable Aspirating LASIK  
Wire Speculum

**AE-1042AN**

Used with suction set on low  
or with syringe





## Slade

Adjustable LASIK Wire Speculum

**AE-1042N**

Accommodates the suction ring of the microkeratome



## Machat-Buratto

Adjustable Aspirating LASIK Speculum

**AE-1043AN**

Blades maximize exposure of the globe;  
Used with suction set on low or with syringe



## Machat

Adjustable LASIK Wire Speculum

**AE-1043N**

Blades designed to provide maximum exposure of the globe for superior LASIK procedure; Open blade design avoids interference of the blades with the microkeratome



## Kraff

Nasal Solid Blade  
Adjustable Speculum

**AE-1044N**

Blades minimize interference and contamination from eyelashes





## Kraff

Solid Blade Temporal Adjustable Speculum

**AE-1045N**

Blades minimize interference and contamination from eyelashes



## Miyajima

Adjustable Speculum

**AE-1046N**

Ideal for patients with small eyes; Shape of the blades does not cause discomfort to the patient



## Miyajima

Adjustable Aspirating Speculum

**AE-1046AN**

Ideal for patients with small eyes; Shape of the blades does not cause discomfort to the patient; Continuous aspiration will keep the surgical field clear of excess fluid and debris and may reduce the possibility of Sands of the Sahara

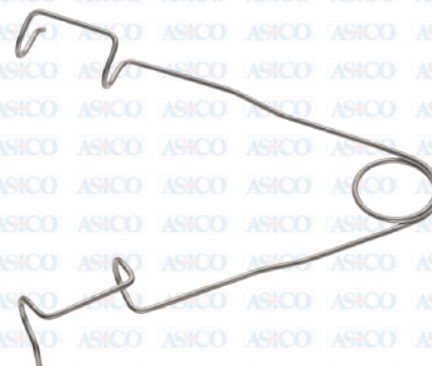


## Grene

LASIK Speculum

**AE-1047N**

Extremely strong wire speculum that has been specifically designed for the SLK microkeratome; Increased tension of the speculum makes it difficult for nervous patients to dislodge it from the eye



## Castroviejo

Speculum

**AE-1050**







## Hata-Miyoshi

Aspirating Speculum

**AE-1051AN**

Adjustable speculum with aspiration

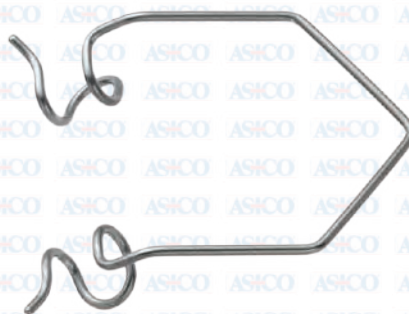


## Pediatric

Wire Speculum

**AE-1052**

Infant wire speculum with 5 mm blades



## Pediatric

Adjustable Wire Speculum

**AE-1053**

Infant wire speculum with 5 mm blades; Adjustable mechanism



## Pediatric

Solid Blade Speculum

**AE-1054**

Infant wire speculum with 5 mm solid blades





### Pediatric

Solid Blade Adjustable Speculum

**AE-1055**

Infant adjustable wire speculum  
with 5 mm solid blades



### Ikuno-Hata



Adjustable Speculum with Aspiration

**AE-1056AN**



### Modi

Femtosecond Speculum, V-style

**AE-1057**

Silicone tubing on the blades pushes  
the conjunctiva away

“V-shaped blades similar to  
Lieberman style”



### Hata-Miyoshi



Aspirating Speculum II

**AE-1058AN**

Unique positions of the aspiration  
holes help prevent potential false  
conjunctival aspiration







## Miyoshi

Speculum with Deeper Blades

**AE-1059**



## Cook

Speculum

**AE-1080** Infant

**AE-1081** Child

**AE-1082** Large



## Murdoch

LASIK Speculum

**AE-1083**

Self-locking speculum



## Jaffe

Wire Speculum (Lid Retractor)

**AE-1084** Small (pair)

**AE-1085** Large (pair)

May be clamped to the surgical drape with sutures or elastic bands





**Lancaster**

Temporal Solid Blade Speculum

**AE-1089**



**Lester-Burch**

Solid Blade Speculum

**AE-1090**



**Sauer**

Solid Blade Pediatric Speculum

**AE-1100**



**McPherson**

Solid Blade Speculum

**AE-1110**

Vertical suture posts





## Williams

Speculum

AE-1151 Adult

Blade length 15mm



## Stevenson

Lacrimal Retractor

AE-1210

3 x 3 prongs



## Knapp

Lacrimal Sac Retractor

AE-1220

With flat handle



## Desmarres

Lid Retractor

AE-1231 Size 0

AE-1232 Size 1

AE-1233 Size 2

AE-1234 Size 3



## Schepens

Orbital Retractor

AE-1240

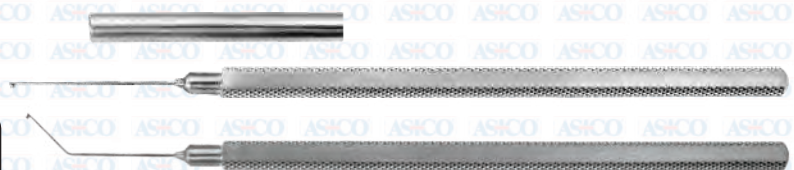
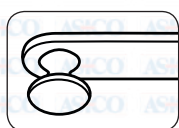


## Graether

Iris Retractor / Collar Button

AE-1250 Straight

AE-1251 Angled



## Jaeger

Stainless Steel Lid Plate

AE-1260





# FIXATION RING

• ANILLO FIJADOR • ANNEAU DE FIXATION  
• ANELLO FISSAZIONE • FIXATIONSRING • 固定リング

## Flieringa

Scleral Fixation Ring

AE-1312 12 mm

AE-1313 13 mm

AE-1314 14 mm

AE-1315 15 mm

AE-1316 16 mm

AE-1317 17 mm

AE-1318 18 mm

AE-1319 19 mm

AE-1320 20 mm

AE-1321 21 mm

AE-1322 22 mm (shown)



## Schachar

Blepharostats

AE-1400 Small (pair)

AE-1400L Large (pair)



## Castroviejo

Caliper

AE-1500 Straight

AE-1501 Curved

Measures 1.0 mm - 20.0 mm  
in 1.0 mm increments





• MARCADORES DE INCISIÓN • MARQUER À INCISION  
• MARCATORI DI INCISIONE • INZISIONS-MARKIERER • マーカー **MARKERS**

### Ruler

**AE-1510**



### Galand

Incision Marker

**AE-1515** 3.0 mm

**AE-1516** 3.2 mm

**AE-1518** 4.0 mm

**AE-1519** 4.5 mm

**AE-1514** 5.5 mm

**AE-1521** 6.0 mm

**AE-1512** 7.5 mm

**AE-1513** 8.0 mm



### Hunkeler

No-Stitch Frown Incision Marker

**AE-1522**

Marks 3.0 mm, 4.0 mm, 5.0 mm, and 6.0 mm incisions



### Singer

Frown Marker

**AE-1523**

3.9 mm and 5.7 mm width for 5.0 mm and 7.0 mm IOLs respectively



### Crandall

USC Glaucoma Marker

**AE-1526**

Marks pattern to unroof Schlemm's Canal for deep sclerotomy and viscocanalostomy





## Jarstad

No-Stitch Frown Incision Marker

**AE-1527**

Features a corneal valve mark to facilitate entry into the anterior chamber



## Neuhann

USC Glaucoma Marker

**AE-1529**

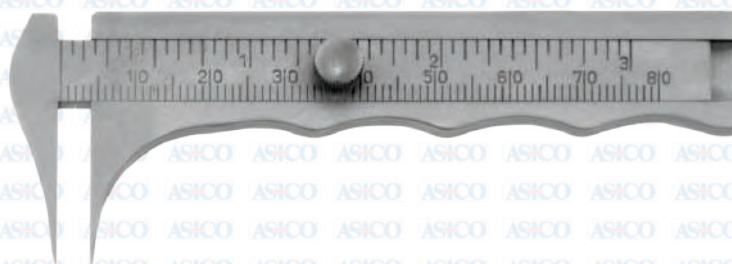
Marks pattern to unroof Schlemm's Canal for deep sclerotomy and viscocanalostomy; Swivel handle comfortably marks from either temporal or superior approach



## Jameson

Caliper

**AE-1530**

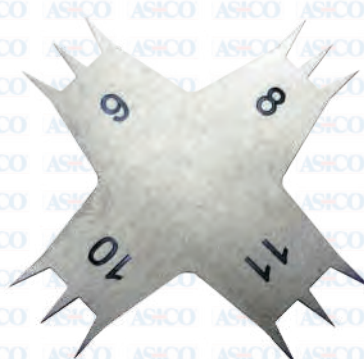


## Kobayashi

4-Point Marker 8 / 9 / 10 / 11 mm

**AE-1535**

Unique marker allows the surgeon to make 8, 9, 10, and 11 mm markings using the same marker for corneal procedures



## Thorpe

Caliper

**AE-1540**

Measures up to 80 mm; Angled 3.0 mm tips





### Asami

Caliper

**AE-1541**

Used for scleral buckling surgery; Skinny shaft and fine tips can easily reach the posterior pole of lens over equatorial part and mark a narrow surgical field



### Tan-Jod



DMEK Block

**AE-1570**

Designed for standard DMEK or the Hybrid DMEK procedure; To be used on DMEK donor tissue



### Yeoh



Sideport Gauge

**AE-1572T**

Titanium incision gauge made for sideport; Measures sizes from 0.5 mm to 1.6 mm in 0.1 mm increments



### Holladay-Godwin

Pupil Gauge (Pair)

**AE-1573**

Measures pupil sizes from 0.5 mm and 1.0 mm to 10.0 mm in 1.0 mm increments

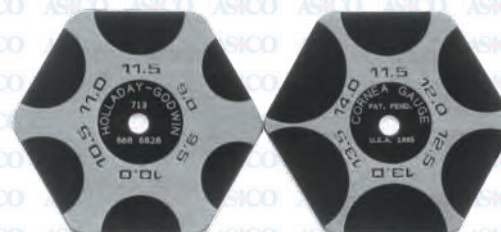


### Holladay-Godwin

Cornea Gauge (Pair)

**AE-1576**

Diameters range from 9.0 mm to 14.0 mm in 0.5 mm increments; Used to measure the horizontal cornea diameter for IOLs and implantable contact lenses



### Hunkeler

Internal Caliper

**AE-1578**

Measures up to 4.0 mm in 0.1 mm increments for precise measurement; Adjustable screw





## Staar®



Cartridge Holder

**AE-1579**

Consists of an ergonomic stainless steel block that holds the cartridge in place without lateral, forward, or backward movement when loading the lens into the cartridge

Staar is the registered trademark and owned by Staar Surgical USA.



## Crandall



Capsulorhexis Incision Gauges

**AE-1582T**

Set of 18 titanium blades ranging from 1.5 mm to 3.2 mm in 0.1 mm increments; Laser lines are 1.0 mm apart on the back of each gauge to measure the size of capsulorhexis



## John



DMEK Twin Block

**AE-1586**

Helps in separation, staining, and temporary placement of the donor DM and endothelial cells until transplanted to the recipient cornea



## Kobayashi



DMEK Block Holder

**AE-1588**

Used as a fixed base for putting the base of the Barron anterior chamber for separation of tissue



## ASICO



Beveled Degree Gauge without Teeth

**AE-1589**

Features laser lines every 5 degrees for greater accuracy; Beveled design allows maximum visibility under the microscope





## ASICO

Beveled Degree Gauge

**AE-1590T**

Features laser lines every 5 degrees for greater accuracy; Beveled design allows maximum visibility under the microscope; Comes with fixation teeth



## Miyata

LRI Gauge

**AE-1591**

Markings every 5 degrees; Comes with atraumatic fixation teeth; Can be used for both LRI and Toric



## Graether

Degree Gauge

**AE-1594N**

Degree gauge has four elevated extensions on the bottom at 0, 90, 180, and 270 degrees



## Ron Yeoh

Gauge

**AE-1595**

Markings are shown every 5 degrees with 4 slots at 0, 90, 180, and 270 degrees; Slots at 0 and 180 degrees are for the inner ring, while slots at 90 and 270 degrees are for the outer ring; Marking pen tip can be inserted in the slot



## Rom

Beveled Gauge without Teeth

**AE-1596**

Features laser lines every 1 degrees for greatest accuracy; Beveled design allows maximum visibility under the microscope





## Bowman

Lacrimal Probe

**AE-1600** Size 0000 and 000

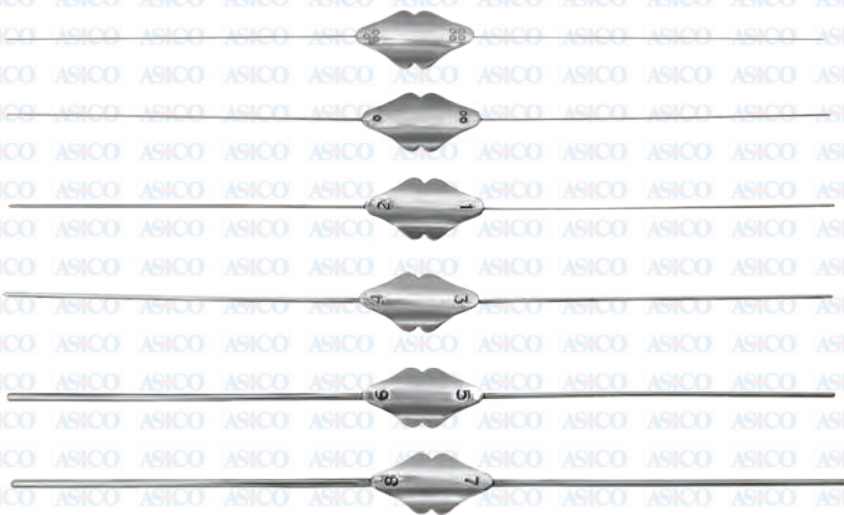
**AE-1610** Size 00 and 0

**AE-1612** Size 1 and 2

**AE-1614** Size 3 and 4

**AE-1616** Size 5 and 6

**AE-1618** Size 7 and 8



## Harms

Trabeculotomy Probe with Guide

**AE-1630** Right

**AE-1631** Left



## Castroviejo

Lacrimal Dilator

**AE-1640**



## Infant

Lacrimal Dilator

**AE-1650** Stainless steel



## Wilder

Lacrimal Dilator

**AE-1660** Long taper

**AE-1661** Medium taper

**AE-1662** Short taper

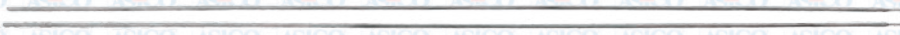


## Catalana

Lacrimal Intubation Set

**AE-1670**

Blunt, stainless steel malleable probe attached to 0.31 mm ID x 0.64 mm OD silicone tubing 300 mm long





• DEPRESOR • DEPRESSEUR  
• DEPRESSORE • DEPRESSOR • 圧子 **DEPRESSORS**

### Crawford

Lacrimal Intubation Set

**AE-1675**

2 olive tip stainless steel probes with tubing

**AE-1676**

Retrieving hook



### Schockett

Scleral Depressor

**AE-1700**



### Packo

Scleral Depressor with Marker

**AE-1701**

To mark the pars plana incision;  
Flat handle on top represents the  
marker position



### May

Scleral Depressor

**AE-1702**



### Schepens

Scleral Depressor

**AE-1705 Small**

**AE-1706 Medium**

**AE-1707 Large**



### ASICO

Reversible Speculum Solid

**AE-1710**

Thin, solid 15mm blades with satin finish



### Jackson

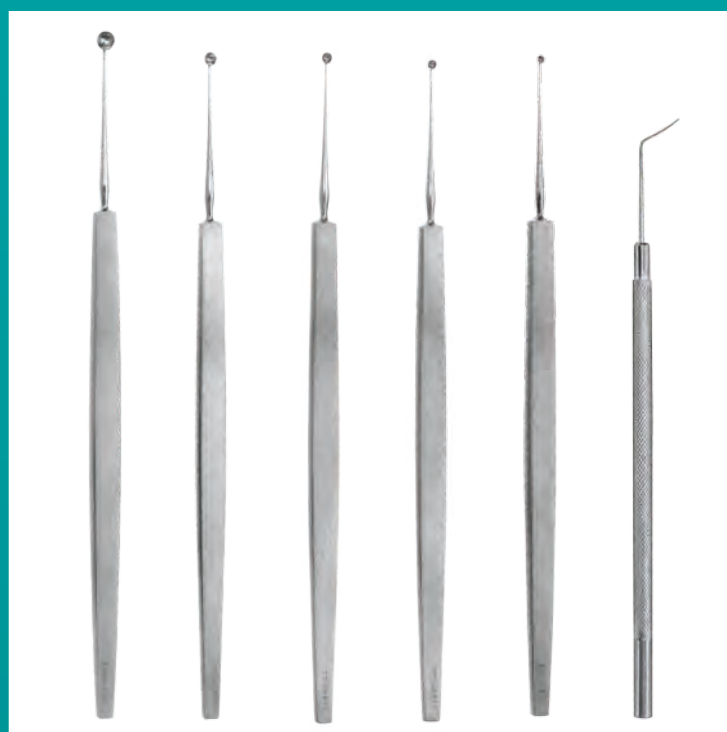
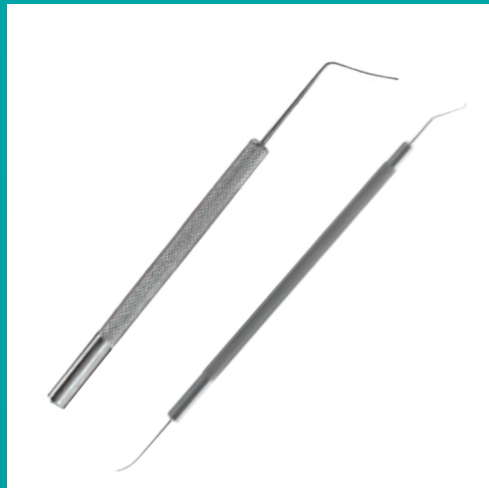
Lac Intubation Set

**AE-1711**

2 blunt, 0.9mm diameter probes  
attached to 305mm long silicone  
tubing; 0.31mm inner diameter,  
0.63mm outer diameter



# AE-2000 Series



**INNOVATIONS**  
for Better Outcomes®





# ASICO® AE-2000 Series



Astigmatic markers have a reference mark on the anterior side to align with a gauge for exact marking on the steepest meridian of the cornea.

LASIK markers feature a non-contact optic zone of 3.0 mm or greater. This prevents indentation of epithelium in the visual zone, which may affect post-operative vision. LASIK markers also feature radial and paraxial marks to align the flap and to prevent inadvertent upside down placement of a free cap.

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VRTIS: Vitreo Retinal Trocar Instrument set - is the registered trademark of ASICO LLC  
SMILE is a registered trademark owned by Carl Zeiss  
ClarVista and Harmoni lens are registered trademarks of ClarVista  
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## Description

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Today's Precision...Tomorrow's Vision®

Scan QR Code on  
Smart Device to View  
YouTube Videos Link



## Meyerhoefer

Chalazion Curette

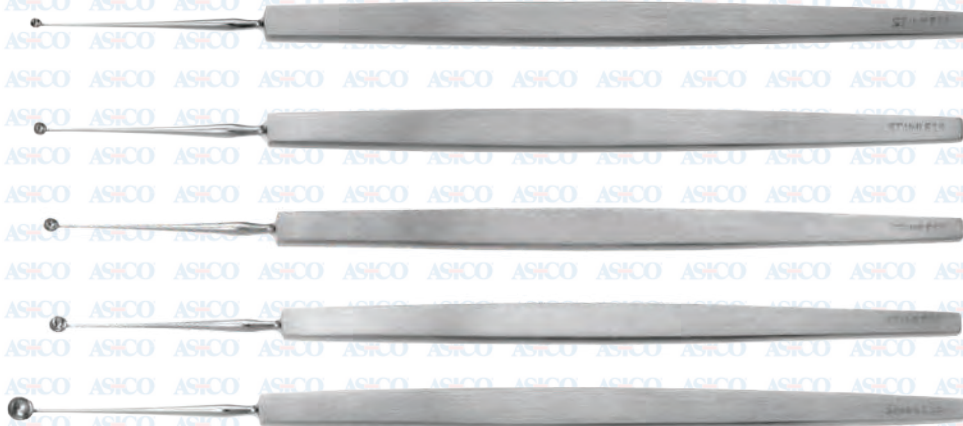
AE-2000 1.50 mm

AE-2001 1.75 mm

AE-2002 2.00 mm

AE-2003 2.50 mm

AE-2004 3.50 mm



## Iris

Spatula

AE-2040

Malleable stainless steel



## Barraquer

Iris Spatula

AE-2049



## Troutman-Barraquer

Iris Spatula

AE-2050



## Fry

Iris Spatula

AE-2052





### Castroviejo

Synechiaie Spatula

**AE-2060**

Semi-sharp tip

Angle to tip: 10mm & 13mm

Tip width: 0.50mm



### Girard

Synechiaie Spatula

**AE-2065**

Semi-sharp tip

Tip width: 0.50mm



### Castroviejo

Cyclodialysis Spatula

**AE-2071** 0.25 mm wide

**AE-2072** 0.50 mm wide



### Graefe

Muscle Hook

**AE-2101** Size 1 (8.00 mm x 1.00 mm)

**AE-2102** Size 2 (10.00 mm x 1.50 mm)

**AE-2103** Size 3 (10.00 mm x 2.00 mm)



### Jameson

Muscle Hook

**AE-2110**



## Green

Muscle Hook

AE-2120



## May

Muscle Hook

AE-2125

AE-2126 With oblong hole



## Gass

Retinal Detachment Hook

AE-2128

Oval hole

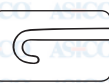


## Bonn

Micro Iris Hook

AE-2150

Blunt tip



## Shepard

Iris Hook

AE-2160

Small, blunt tip



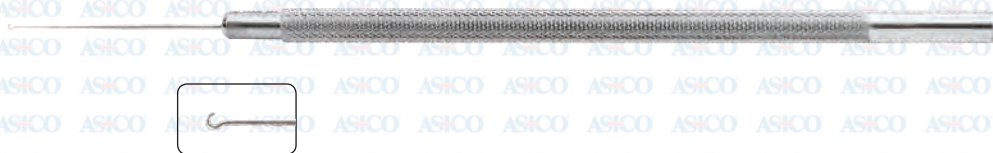


## Knolle

Iris Hook

**AE-2172**

Small, very blunt tip



## Vinciguerra

LASEK Butterfly Protector

**AE-2183**

Uniquely designed instrument retracts and protects the epithelial flap during laser ablation; Black-coated tip



## Fixation

Hook, Large

**AE-2191**

For scleral fixation



## Twist

Hook

**AE-2194 Right**

**AE-2195 Left**

For scleral fixation



## Dillman

Hook

**AE-2196**

2-prong configuration securely fixates the eye without damaging scleral tissue; Unique angle allows for comfortable hand position during clear corneal procedure



## Burch

Scleral Fixation Pick

AE-2197

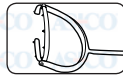


## Fine-Thornton

Fixation Ring

AE-2198 13.0 mm

AE-2199 16.0 mm



## Ang 'Push' Hook

Specially designed Micro Hook for ClarVista's Harmoni lens

AE-2201

Disclaimer: ClarVista and Harmoni lens are registered trademarks of ClarVista™



## Ang IOL Hook

Specially designed Micro Hook for ClarVista's Harmoni lens

AE-2202

Disclaimer: ClarVista and Harmoni lens are registered trademarks of ClarVista™



## Uy Advanced IOL Manipulator

Ideal design for ClarVista's Harmoni lens

AE-2203

Disclaimer: ClarVista and Harmoni lens are registered trademarks of ClarVista™



## Sinskey II

IOL Manipulating Hook, Straight

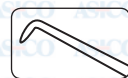
AE-2206



## Price-Sinskey Hook

AE-2207

Straight



## Sinskey II

IOL Manipulating Hook, Angled

AE-2208

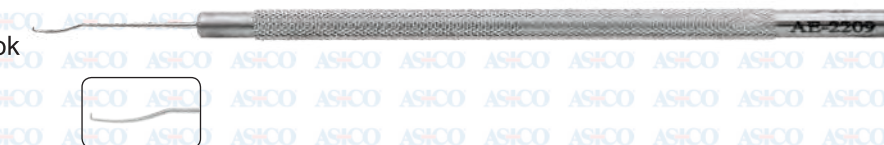




### Sinskey

No Hole IOL Manipulating Hook

AE-2209



### Chee

Suture Retrieving Hook

AE-2210

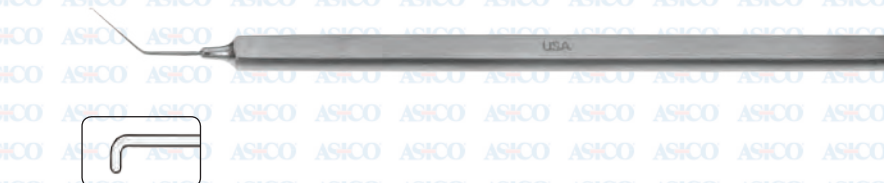


### Harris-Sinskey

IOL Manipulating Hook

AE-2212

Blunt tip

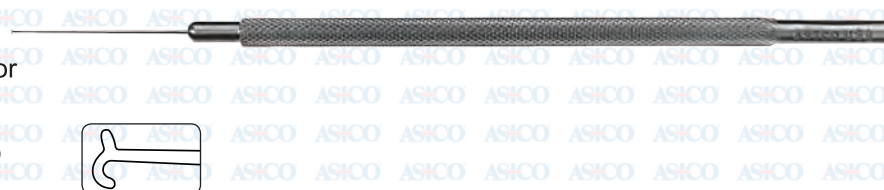


### Double Hook

IOL Manipulator & Iris Retractor

AE-2218

Ideal for "side to side" and "up and down" lens manipulation and for stretching the anterior capsule

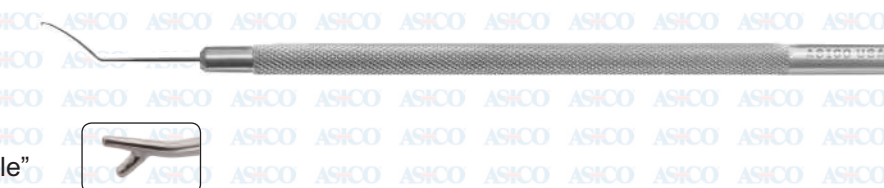


### Bahr-Maltzman

Hook

AE-2219

Ideal for manipulation at the haptic-optic junction of "No Hole" IOLs; Hook is bent to the right for easy clockwise rotation



### Fenzl

Hook

AE-2221

Lens manipulating hook



## Maltzman-Fenzl

Modified IOL Manipulator

**AE-2222**

Bent slightly forward to decrease incidence of disengagement at the haptic-optic junction;  
Angled bend in shaft.

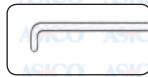


## Jaffe

IOL Manipulator

**AE-2223**

Angled



## Beehler

Irrigating Pupil Expander

**AE-2225**

Ideal for small incision clear corneal procedures



## Kuglen

Iris Hook & IOL Manipulator

**AE-2230** Straight

**AE-2231** Angled



## Little

No Hole IOL Manipulator, Straight

**AE-2234**

Engages the haptic-optic junction to manipulate the IOL





## Lewicky

IOL Manipulating Hook

AE-2240

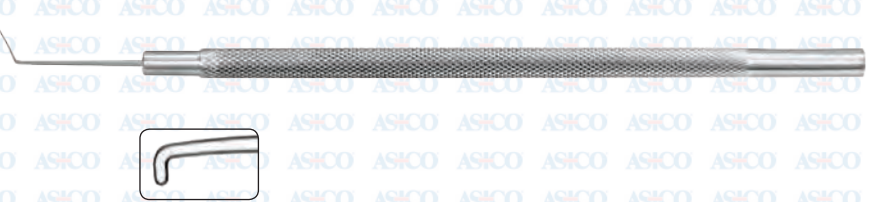
Blunt tip; Angled with curved shank



## Kratz

IOL Manipulator

AE-2241



## Tennant

IOL Manipulating Hook

AE-2250

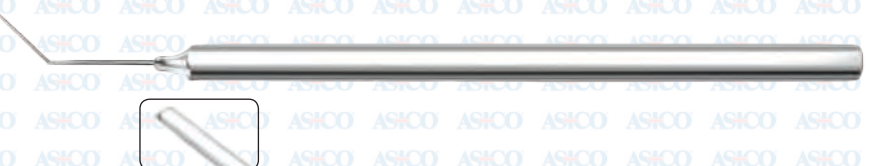


## Jaffe

IOL Spatula

AE-2310

Flat, smooth tip



## Obstbaum

IOL Spatula

AE-2320

Flat tip



## Paton

Spatula & Spoon

AE-2321



## Wheeler

Spatula

AE-2322

Lightly curved



## Slade

Femto Episweeper

AE-2323

Unique beveled tip with a curved shaft that allows it to sweep the epithelial cells off the capsule rapidly and efficiently



## Slade

Femtosecond Ball Chopper

AE-2324

Shaft is curved to precisely clear the surface of the nucleus for maximum efficiency



## Slade

Femtosecond Spatula

AE-2326

Designed with a flat tip; Used to open the main and sideport incisions made by the femtosecond laser procedure



## Ahn

CORNEA

DMEK Rake

AE-2327

Allows for careful separation of the donor Descemet's membrane without direct contact to the endothelial surface



## John

CORNEA

DMEK Crystal Spatula

AE-2328 Large

AE-2329 Small







Lane

Femtosecond Cataract Incisional Spatula

AE-2331

Specially designed double-ended instrument for opening femtosecond incisions



Yeoh

Femto-Incision Double-Ended Spatula

AE-2332

Beveled tips help find the cleavage plane made by the femtolaser; Spatula opens the main and sideport incisions in femtosecond cataract surgery



Zaldivar

KAMRA® Marker

AE-2334 1.6 mm (Image not shown)

AE-2339\* 3.8 mm

KAMRA® is registered trademark of Acufocus Inc



Kobayashi-Busin

DSAEK Glide

AE-2335

Circular tissue holder for better centering the donor; Same internal diameter as the original Busin glide



Tan

DMEK Stripper

AE-2336

Designed to facilitate DMEK donor dissection with minimal risk of radial Descemet's membrane tearing

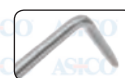


Tan

Femto Lamellar/SMILE Dissector

AE-2337

Opens femtosecond incisions prepared by the laser



## MC Arbelaez



Double Marker

**AE-2338**

Easily and accurately aligns and centers the inlay in the cornea; Markings represent circles of 1.6 mm and 3.8 mm; Flat handle design



## Aker



IOL Pusher

**AE-2401**

Used for pushing the IOL



## Machat

KAMRA® Double Circle Marker

**AE-2402**

1.6 mm inner circle is used to more precisely place the marking on the first Purkinje light reflex; 3.8 mm outer circle guides the surgeon for ideal alignment and placement on the visual axis; Round handle design



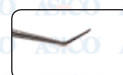
## Jod Mehta



SMILE/Pocket Dissector

**AE-2403**

Elongated hook with laser lines on one side aids in identifying the correct planes for the lenticule size; Dissector end is used to release the lenticule



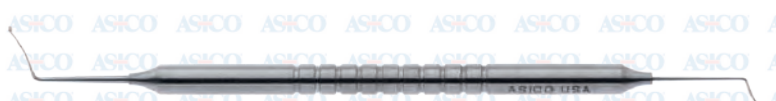
## Jod Mehta



SMILE Epithelial/Lenticule Remover

**AE-2404**

One end acts as a guide to the exact edge of the lenticule, while the other end has a curved spoon shape to allow safe removal of epithelium

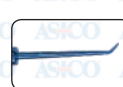


## Manche

SMILE Dissector

**AE-2405**

Small-sided beveled tip allows for easy opening; blunt dissector head allows for easy cleavage of tissue planes



## Lester

IOL Pusher

**AE-2410 Straight**

**AE-2411 Angled**



## Lester

No Hole IOL Manipulator

**AE-2412**

Hourglass-shaped tip for IOL manipulation



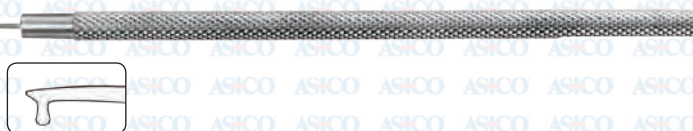


## Maloney

No Hole IOL Manipulator

**AE-2413**

Hourglass-shaped tip for IOL manipulation



## Machat

KAMRA® Pocket Dissector

**AE-2414**

Blunt end dissects the femtosecond-created pocket with ease and minimal tissue trauma



## Machat

KAMRA® Pocket Lifter

**AE-2416**

Designed to open the mouth of the pocket during the introduction of the KAMRA® inlay



## Crandall

Manipulator

**AE-2417**

Multi-use manipulator with a ball tip for safe and effective manipulation of the nucleus;  
With a 110 degree bend; Like a "Connor wand"



## Machat

KAMRA® Repositioning Spatula

**AE-2418**

Flat, blunt tip



## Osher

"Y" Hook No Hole IOL Manipulator

**AE-2419**



## Zaldivar

ICL® Manipulator

**AE-2420**

Designed for myopic and hyperopic lenses



## Batlle

ICL<sup>®</sup> Manipulator

**AE-2421**

Manipulates inferior and superior haptic of lens to place under the iris; Posterior surface is micro-sandblasted

ICL is a registered trademark of Staar



## Spadafora

MemoryLens<sup>®</sup> Dialer

**AE-2422**

Dual prongs straddle the superior haptic in a secure manner to dial lens into position in the capsular bag spadafora Memory lens dialer



## Ichikawa

Double-Ended ICL<sup>®</sup> Manipulator

**AE-2423**

Allows manipulation from both sides

ICL is a registered trademark of Staar



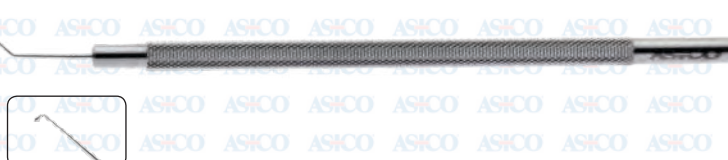
## Neuhann

ICL<sup>®</sup> Manipulator

**AE-2425**

Grasps the lens in the chamber for exact placement and manipulates the position of the lens as required

ICL is a registered trademark of Staar



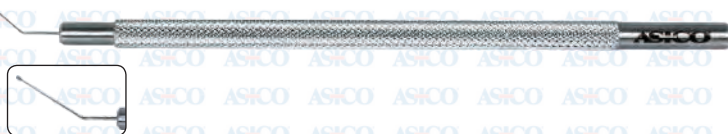
## Kitazawa

ICL<sup>®</sup> Manipulator

**AE-2426**

Used for grasping ICL lens for exact placement and positioning

ICL is a registered trademark of Staar



## Crandall

USC Glaucoma Scleral Planer

**AE-2430**

Dual cutting edges rapidly remove layers of sclera to unroof Schlemm's Canal for viscocanalostomy and other noninvasive trabeculotomy procedures

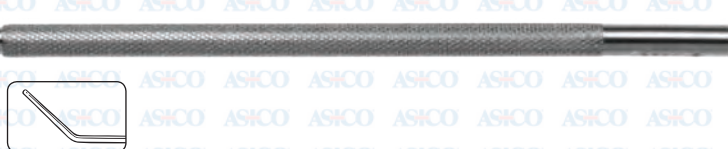


## Crandall

USC Glaucoma Scleral Shaver

**AE-2431**

Cutting edge removes layers of sclera to unroof Schlemm's Canal for viscocanalostomy and other noninvasive trabeculotomy procedures





- MANIPOLATORI PER FACOEMULSIFICAZIONE • PHAKO POSITIONIERUNGSHÄKCHEN
- MANIPULADORES DE FACO • MICRO-MANIPULATEURS À PHACO ÉMULSIFICATION
- 超音波乳化吸引マニピュレータ

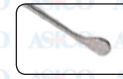


# PHACO MANIPULATORS



## Uy Laser Lens Fragmentation Combo Manipulator AE-2433

Double-ended instrument featuring a chopper/stabilizer and a lens manipulator



## Drysdale

Manipulator

### AE-2497

Features a paddle-shaped tip to maximize surface area;  
Rounded edges



## Espallat-DeBlasio

Nucleus Rotator

### AE-2499

Rotates and manipulates the nucleus and IOL; Retracts iris



## Bechert

Nucleus Rotator

### AE-2500

Blunt fork tip



## Jaffe-Bechert

Nucleus Rotator

### AE-2501

Blunt fork tip; Long handle



## Koch II

Phaco Manipulator

### AE-2502

Combines a smooth tip and two grooves to increase versatility without compromising safety; Used in the posterior chamber



Today's Precision...Tomorrow's Vision®

Scan QR Code on  
Smart Device to View  
YouTube Videos Link



# PHACO MANIPULATORS • 超音波乳化吸引マニピュレータ

## Graether

Sideport Manipulator

**AE-2504**

For stretching iris through paracentesis



## Koch

Phaco Manipulator & Splitter

**AE-2505**

Thin, smooth spatula can push, rotate, lift, and split nucleus; Also protects posterior capsule and cornea



## Mandel

Nucleus Manipulator

**AE-2506**



## Kellan

Nucleus Segmentor

**AE-2507**

Paddle-shaped to split nucleus



## Tennant

Nucleus Manipulator

**AE-2508**

To split and rotate nucleus



## Little

Malleable Spatula

**AE-2509**

Malleable tip allows for customized configuration to manipulate nucleus





## Johnson

Spatula

**AE-2511**

With sharp tip for nucleus manipulation and stab technique



## Maloney

Nucleus Rotator

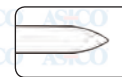
**AE-2512** With spatulated tip

**AE-2513** With forked tip

For manipulating hard and soft nuclei



Soft



Hard



Soft



Hard

## Kellan

Nucleus Rotator & IOL Guide

**AE-2514**

Broad tip securely manipulates nucleus during phaco procedure;  
Can also be used to guide lens into capsular bag

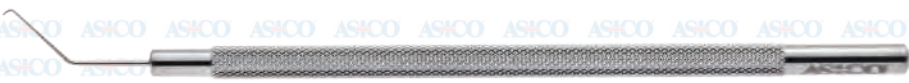


## Nagahara

Phaco Chopper

**AE-2515** 90° cutting edge

Can be used by right or left-handed surgeon



## Nordan

Capsule Elevator

**AE-2516**

For in-the-bag IOL placement



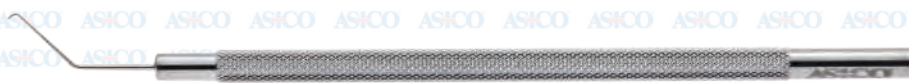
## Nagahara

Phaco Chopper IV

**AE-2517** 60° cutting edge

**AE-2517A** 60° cutting edge, curved

**AE-2517L\*** 60° cutting edge, for left-handed surgeons; 60° cutting edge cuts in the direction of the phaco handpiece



\*AE-2517L is designed to be used in the right hand for left-handed surgeons



## Lieberman

Microfinger

**AE-2518**

Stabilizes, positions, retracts, and lifts lens to facilitate efficient emulsification; Iris spatula is useful for various manipulations in anterior segment surgery



## Koch-Nagahara

Spatula & Chopper

**AE-2520**

Cutting edge of chopper is 60° to cut towards phaco tip; Manipulator pushes, rotates, lifts, and splits, also serving as a protective barrier between phaco tip and posterior capsule



## Kammann

Prechopper

**AE-2521** Angled, superior

**AE-2522** Straight, temporal

Divides nucleus into 4 quadrants before phaco to significantly reduce phaco time and risk of damaging endothelium



## Minami

"M" Hook <sup>TM</sup>

**AE-2523**

Chopper, splitter, dissector; Tip used for dividing and manipulating nucleus material from all directions in the capsule



## Friedman-Koch

Universal Chopper & Spatula

**AE-2524**

Double cutting edges of chopper enhance chopping in either direction and can be used by right or left-handed surgeon; Indented manipulator retracts and stretches iris while providing greater traction for manipulation of the nucleus



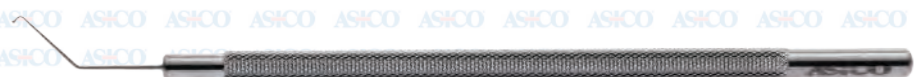


## Akahoshi

Nucleus Sustainer

**AE-2525**

Protects zonules when used with Akahoshi prechoppers on nuclei of grades 3-5



## Friedman

Phaco Manipulator

**AE-2526**

Broad surface facilitates nucleus cracking; Curved ends act as push-pull tool for manipulation of iris, IOL, nucleus, or anterior capsule



## Olson

Phaco Chopper

**AE-2527**

**AE-2527L** For left-handed surgeons; 60° cutting edge; Bottom plate hugs posterior surface of nucleus to efficiently cleave nucleus; Protrusions on front surface of chopper retracts iris and anterior capsule



## Koch

Minami Chopper

**AE-2528**

Can be used as a divider, dissector, manipulator, and protector; Smooth, round tip does not damage posterior capsule



## Nagahara

Karate Chopper

**AE-2529**

For quick-chop technique on nuclei of grades 3 or higher; Spear-shaped tip chops nucleus; Recommended to set phaco at aspirate mode to fixate nucleus with phaco tip



## Akahoshi

Nucleus Manipulator

**AE-2530**

**AE-2530L** For Left-handed surgeons Long tip supports the deepest part of the nucleus; Small micro-ball is easy to manipulate and use through sideport



## Vukich

ICL® / Toric Lens Manipulator

**AE-2531**

Designed to allow gentle positioning of the ICL® haptics under the iris plane

ICL is a registered trademark of Staar



## Miyoshi

Chopper

**AE-2532**

Ergonomically designed; Allows ease of chopping with minimal movement; Separating the posterior plate of the nucleus is easy due to the chopper's angle and rounded tip



**AE-2532S**

Allows easier manipulation through a 0.6 mm sideport incision

## Nagahara

Tomahawk Chopper

**AE-2533**

Distinct shape of the spatula allows for wider contact of the nucleus



## Inamura

RACE Chopper

**AE-2534**

Angled tip is used to elevate the nucleus away from the posterior capsule toward the phaco tip for phaco efficiency

RACE means Rotational Anti-Clockwise



## Akahoshi

Nucleus Ring Sustainer

**AE-2536**

Used to manipulate a hard nucleus during the prechopping technique



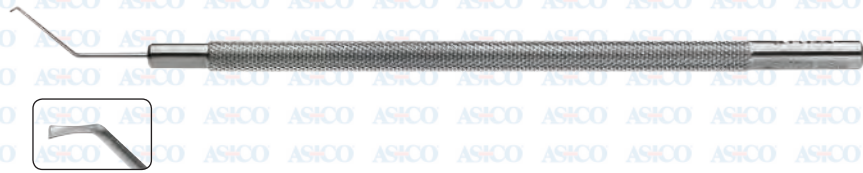




Quick Chopper

**AE-2537**

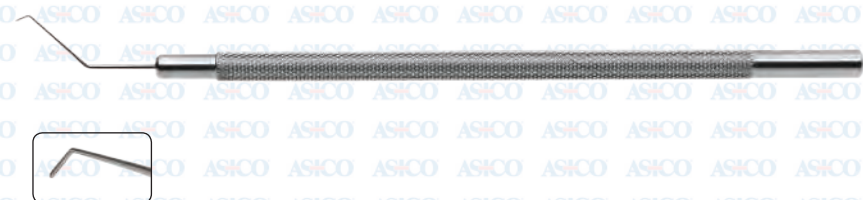
Broad, ax-like tapered end penetrates even the hardest nuclei while avoiding the sharp point-like ends of some quick choppers



Phaco Chopper

**AE-2539**

Sharp, polished edge on right side of the chopper tip easily cuts soft to moderate nuclei



Lens Loop

**AE-2540**



Micro Lamellar Dissector

**AE-2541**

Used to initiate dissection of the anterior half of corneal stroma after partial trephination of the cornea



Phaco Easy Cutter

**AE-2542**

Designed for Tilt & Crack technique and allows the surgeon to perform phacoemulsification in less time

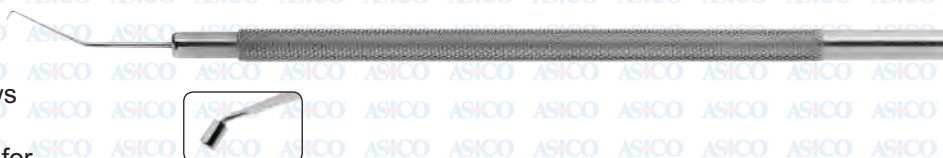


## Naomi

Phaco 3D Divider

**AE-2543**

"3D" part of the chopper allows for contact of the nucleus on any one of the three surfaces for effective manipulation

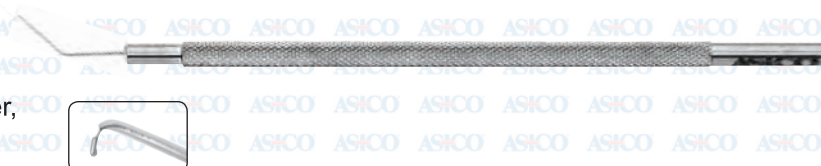


## Nagahara-Ahn

Small Pupil Chopper

**AE-2544**

Modified Nagahara chopper with shorter, 1.25 mm inner cutting edge for small pupils or floppy iris syndrome; Notch on the blunt side retracts the pupil



## Morrison

Lens Loop

**AE-2545**

Olive Tip

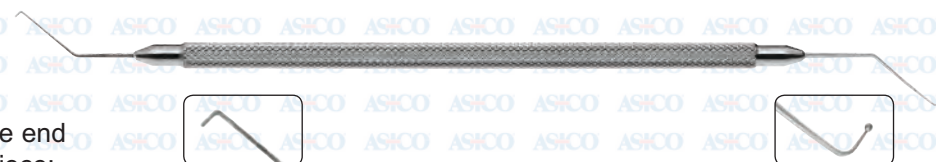


## Lubeck

Horizontal Chopper / Nucleus Sustainer

**AE-2546**

60° Nagahara chopper on one end to chop towards phaco handpiece; Akahoshi sustainer on the other end to rotate and manipulate the lens



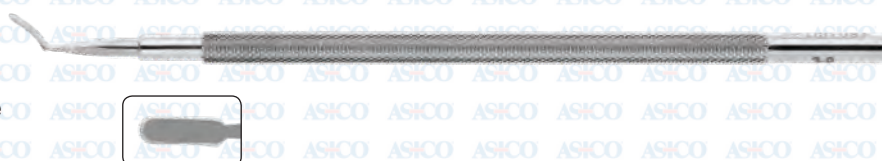
## Tan

CORNEA

Large Lamellar Dissector

**AE-2547**

Used to complete dissection of the anterior corneal stroma after initial dissection with the micro dissector

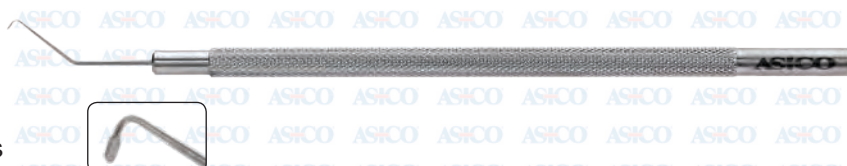


## Aguilar

Sustainer

**AE-2548**

Designed to take into account the peripheral curvature of the lens; Holds the lens securely during the counter traction technique





# PHACO MANIPULATORS

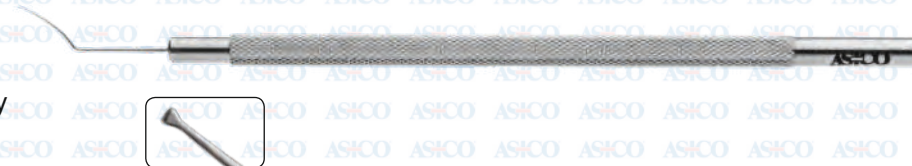


**Tan**

Marginal Dissector

**AE-2549**

Used to effectively separate any remaining stromal attachments from Descemet's membrane at the periphery of the big bubble



**New Orleans**

Lens Loop

**AE-2550**

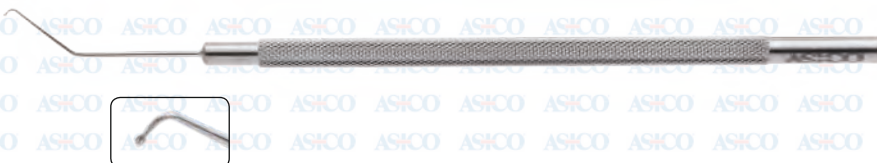


**Escaf**

Nucleus Sustainer

**AE-2551**

Used through the sideport incision after hydrodissection; Holds the nucleus when making the fracture with the ultrachopper



**Escaf**

Nucleus Manipulator

**AE-2552**

Used post-nucleus fracture; Works through the sideport incision in guiding fragments of chopped nuclei towards the phaco tip

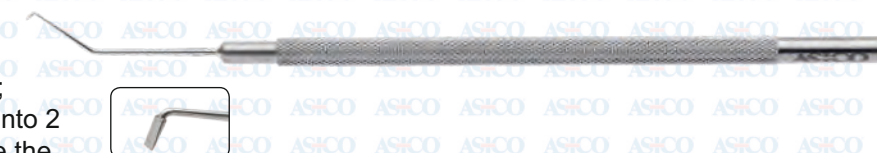


**Escaf**

Nucleus Divider

**AE-2553**

Used through the sideport incision; Helps initially fracture the nucleus into 2 parts; Can be used to further divide the nucleus based on surgeon



**Kansas**

Lens Loop

**AE-2554**

Used for small incision nucleus fragment removal

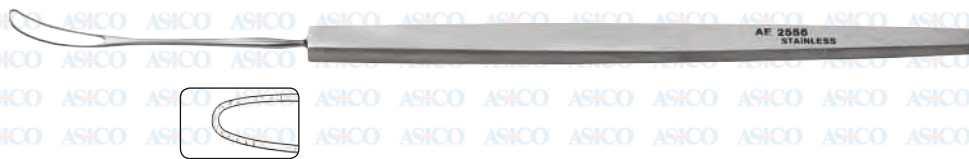


## Wilder

Lens Loop

**AE-2556**

Serrated



## Yeoh

Toric IOL Manipulator

**AE-2557**

Rounded ball tip allows for safe manipulation of toric IOLs



## Vera

Fixation Hook

**AE-2558**

Vera Fixation Hook, for XEN implant

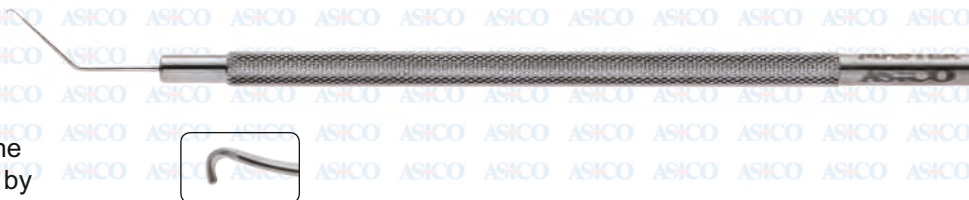


## Nagy

Femto Chopper

**AE-2559**

Cracks the nucleus along the fragmentation lines created by the femtosecond laser



## Barraquer

Lenticular Spoon

**AE-2560**

For corneal transplant surgery



## Culler

Lens Spoon

**AE-2561**

Sterling silver





# PHACO MANIPULATORS

## Izquierdo

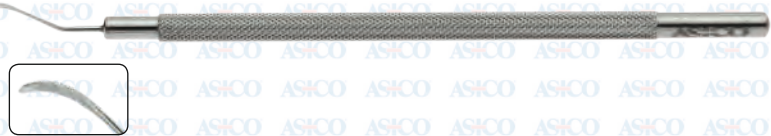


Femtosecond Manipulator

**AE-2562 Left**

**AE-2564 Right**

Mainly used to facilitate the manipulation of the nucleus, to fracture the lens, and to solve intraoperative complications such as the rupture of the posterior capsule even with remains of the lens within the anterior chamber



## Buratto

Contact Lens Holder, Manipulator & Spatula

**AE-2563**

Places and positions contact lens after PRK procedure



## Yoneda



Divider, Right

**AE-2566**

Ergonomically designed to allow ease of chopping with minimal movement



## Bunge

Evisceration Spoon

**AE-2570**



## Aguilar



Chopper

**AE-2571**

Double-ended chopper; Can be used for soft and hard nuclei



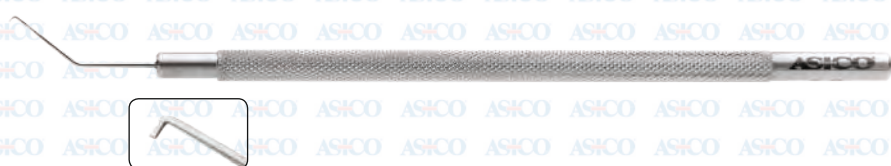
## Fonseka



Chopper

**AE-2572**

Unique tip features a groove which can chop, pivot, and penetrate dense nuclei grades 3-5



## Chang

DUO Quick Chopper

**AE-2573**

Vertical chopper on one end;  
Horizontal (Microfinger) chopper  
on the other

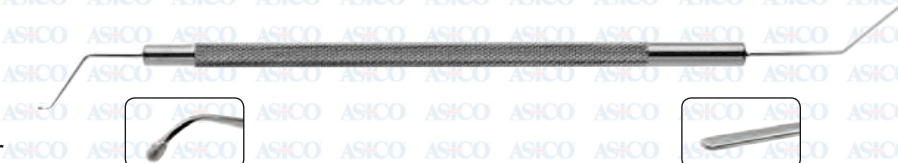


## Espiritu-Caparas

Chopper

**AE-2574**

Verges style horizontal chopper  
on one end with 0.8 mm spatula  
on other end



## Asami

Chopper

**AE-2575**



## Crandall-Nagahara

Chopper

**AE-2576**

Features a 60 degree inside cutting  
edge; Unique 110 degree angled  
tip allows better visibility during  
phacoemulsification



## Asami

Chopper II

**AE-2577**



## Rosen

Phaco Splitter

**AE-2578**

Wedge-shaped inferior  
edge with blunt tip





- MANIPULADORES DE LENTES • MANIPOLATORI DEL IOL
- MICRO-MANIPULATEURS D'IMPLANT
- LINSEN-POSITI • マニピレータ



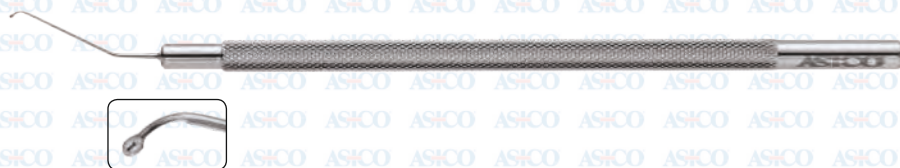
# MANIPULATORS

## Crandall

Chopper

**AE-2579**

Rounded, blunt, olive tip  
and offset inferior wedge;  
Designed with a 110 degree bend



## Wells

Enucleation Spoon

**AE-2580**



## Perez

Loop Device

**AE-2581**



## Vera

Fixation Hook for XEN® Stent

**AE-2588**

This special hook is used to facilitate  
XEN implantation via sideport to fixate  
the eye and create counter pressure



## Miyoshi

Wound Assist Manipulator 2

**AE-2592**

Used for manipulating the IOL

**AE-2593**

Wound assist Chopper,  
flat shaft design

Consistent thickness part of the shaft  
assists in avoiding the stretching of  
the wound.



## Kansas

Phacosection<sup>SM</sup> Nucleus Trisector

**AE-2612**

For manual small incision surgery  
to divide the nucleus into 3 pieces



## Kansas

Phacosection<sup>SM</sup> Solid Nucleus Vectis

**AE-2618**

For right-handed surgeon; Used as a  
cutting board for Kansas nucleus trisector



Today's Precision...Tomorrow's Vision®

Scan QR Code on  
Smart Device to View  
YouTube Videos Link



## Hoffer

Optic Zone Marker

**AE-2700** 3.00 mm

**AE-2704** 4.00 mm

**AE-2708** 5.00 mm

**AE-2713** 9.00 mm

With fine crosshairs and a low profile



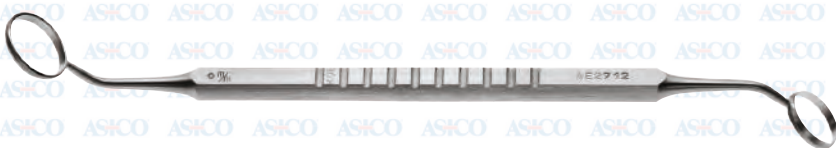
## John CORNEA

DXEK / DSAEK Double-Ended Marker

8.00 / 9.00 mm

**AE-2712**

Used to mark recipient and donor cornea based on surgeon's preference at 8 or 9 mm



## Machat

PRK Optical Zone Marker

**AE-2715**

Incises epithelium to provide excellent starting point for mechanical epithelial debridement; For myopia



## Berkeley-Thornton

Double-Ended Optic Zone Marker

**AE-2720** 3.00 mm - 3.25 mm

**AE-2722** 4.00 mm - 4.25 mm

**AE-2723** 4.50 mm - 5.00 mm

**AE-2725** 5.50 mm - 5.75 mm



## Berkeley-Thornton

Single-Ended Optic Zone Marker

**AE-2726** 4.75 mm

**AE-2727** 5.25 mm



## ASICO

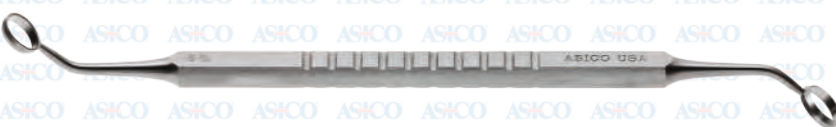
CCC Double-Ended Marker

**AE-2728** 5.0 mm / 5.5 mm

**AE-2729** 5.6 mm / 5.75 mm

designed by Dr. Hata

**AE-2728S** 5.5 mm, single-sided design by Dr. Akahoshi





### Grandon

T-Marker

AE-2731 2.5 mm

For correction of astigmatism



### Nuijts-Solomon

Toric Axis Marker with Peg

AE-2740H

Peg acts as reference guide to center on the cornea without compromising visibility



### Nuijts-Solomon

Toric Axis Marker with 5.00 mm Center Opening

AE-2740N

Circular opening for maximum visibility



### Maloney

Astigmatism Keratometer

AE-2743

Projects multiple rings on cornea for qualitative evaluation of astigmatism



### Maloney

Astigmatism Axis & Incision Marker

AE-2746

Marks 7.0 mm optic zone with two 3.0 mm parallel lines 1.0 mm apart



## Greene

Visual Axis Marker

**AE-2747**

Used to mark the position of the pupil on the cornea



## Miyata

Axis Marker

**AE-2748**

Creates 5 mm line on the cornea for toric axis marking using an electronic imaging technique



## Thornton

Radial Incision Marker

**AE-2750L 6 blades**



## Nordan

RK/AK Marker

**AE-2754 8 blades**

For radial keratotomy and compound myopic astigmatism



## ASICO

Triple Ring Marker

**AE-2756**

Low profile; Ideal for pachymeter measurement





## Vinciguerra



Corneal Transplant Marker  
**AE-2757**  
For full cornea transplant



## Hofmann-Thornton

Globe Fixation Ring

**AE-2761**

With atraumatic teeth and swivel handle for refractive surgery procedures



## Fukuyama

Fixation Ring

**AE-2762**

Has an open angle of 140 degrees, allowing for ease of use of LRI diamond knife with no risk of contacting the fixation ring

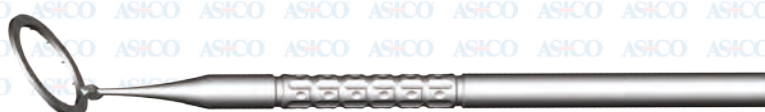


## Villasenor-Navarro

Degree Gauge Temporal

**AE-2763N**

Atraumatic fixation teeth; Laser lines every 10 degrees; Handle at 0 degrees to hold temporally

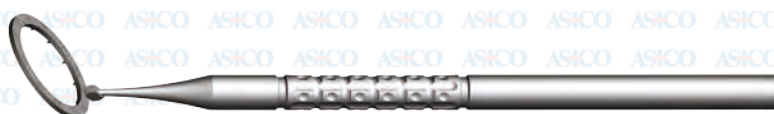


## Zaldivar

Degree Gauge Superior

**AE-2764N**

Atraumatic fixation teeth; Laser lines every 10 degrees; Handle at 90 degrees to hold superiorly

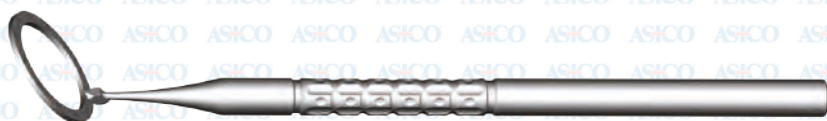


## Mendez

Degree Gauge

**AE-2765N**

Laser lines every 10 degrees;  
Handle at 0 degrees to hold  
temporally



## Vinciguerra

PRK Spatula

**AE-2766**

For epithelial debridement



## Maloney

PRK Spatula

**AE-2767**

For epithelial debridement



## Lindstrom

PRK / LASIK Spatula

**AE-2768**

Golf club end is used for epithelial  
debridement during PRK, and  
spatula lifts flap during LASIK





### Whitten

LASIK Tool

**AE-2772** Short handle

**AE-2773** Long handle

Smooth, blunt spatula lifts flap; Blunt golf club sweeps stromal bed for moisture



### Güell

LASIK Retreatment Spatula

**AE-2774**

Thin, blunt end dissects epithelium bond; Blunt golf club end gently removes epithelial extensions in interface without damaging underlying stroma; Also for primary treatments



### Greene

B-DORK Probe

**AE-2775**

Blunt dissection of radial keratotomy is a simple technique to gain approximately 1/2 diopter increased effect following RK; Probe is inserted into each RK incision to break stroma-to-stroma adhesion throughout the incision



### Hersh

LASIK Retreatment Spatula

**AE-2776**

Breaks epithelial flap adhesion and lifts flap without driving epithelium or debris into interface

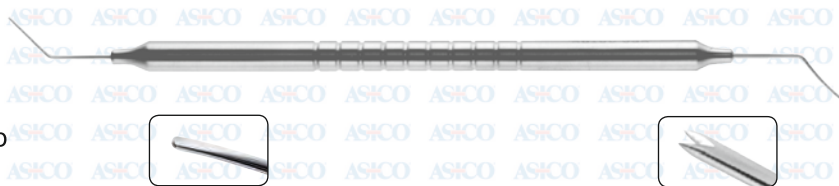


## MacRae

Flap Flipper & Retreatment Spatula

**AE-2777**

Spatula lifts, repositions, squeegees, and removes wrinkles from flap; Sharp inner edge of v-shaped end dissects epithelium bond



## Machat

KAMRA™ PLK Flap Edge Marker

**AE-2779**

Designed to mark the LASIK flap edge temporally at the slit lamp to allow visualization for proper and safe positioning while applanating with the femtosecond laser



## Slade

Arcuate Marker

**AE-2782** 45 degree

**AE-2783** 60 degree



## Thornton

360° Arcuate Marker

**AE-2788** 6 mm ID, 8 mm OD

**AE-2789** 5 mm ID, 7 mm OD

Marks every 10 degree



## Nuijts-Lane

Pre-Op Toric Reference Marker with Bubble, Titanium

**AE-2791TBL**

Bubble level aids in accurately marking the eye temporally; Marking pattern is located on both sides for marking the left and/or right eye

**AE-2791BLP**

Bubble level piece





## Pre-Op

Toric Reference Marker

**AE-2793D**

Marking pattern is located on both sides for marking the left and right eye temporally; Lightweight, all titanium body



## Pre-Op

Toric Reference Marker Single Side

**AE-2793S**

Pre-op toric reference marker with single side open view



## Intra-Op

Toric Axis Marker II with 5 Degree Markings

**AE-2794N**

Marker and degree gauge in one; Cutouts for precise alignment; Markings every 5 degrees



## Graether

Half Circle Axis Marker

**AE-2798N**

Intra-op marks provide a gap of 6 mm between the marks, thereby giving a guide for capsulotomy



## Neuhann-Nuijts

One-Step Toric Marker

**AE-2799T**

Pre-op and intra-op markings all in one; Can be used for smaller eyes



## Bansal

LASIK Marker

AE-2800



## Machat

Superior Flap LASIK Marker

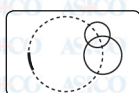
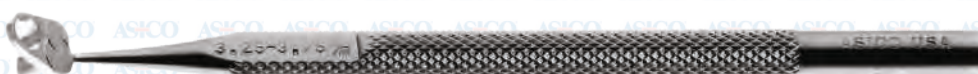
AE-2801



## Machat

LASIK Marker

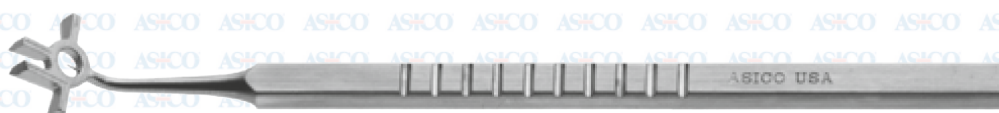
AE-2803



## Christenbury

LASIK Marker

AE-2808



## Perone

LASIK Marker

AE-2809



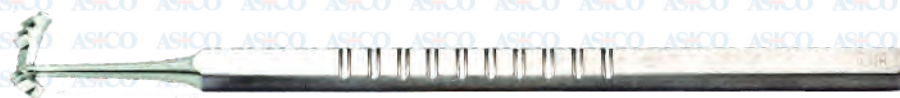


## Koch

LRI Marker

**AE-2811**

For limbal relaxing incisions;  
Marks chord lengths of 4.5 mm,  
6.0 mm, and 8.0 mm



## Fukuyama

LRI Marker 60 Degree

**AE-2812**

Marks every 10 degree for a total of  
60 degree from the 9 mm - 11 mm  
Diameter of the cornea



## Hoffman-Buratto

LASIK Marker

**AE-2817**



## Buratto

Superior Flap Holder

**AE-2819**

Elevates superior flap to avoid contact with  
conjunctiva, cilia, eyelids, and secretions of  
the meibomian glands during laser ablation  
Diameter of 20mm



## Buratto

Flap Retractor & Protector

**AE-2821**

Retracts hinge for maximum exposure of bed and protects flap from laser ablation

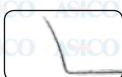


## Maloney

Flap Flipper & Squeegee

**AE-2825**

Flat profile at tip lifts flap, while round part of spatula removes wrinkles and excess fluid under cap and repositions flap



## Slade-Probst

LASIK Spatula

**AE-2826**

Used for protection of the flap during hyperopic ablations



## Lehmann

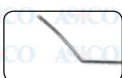
Intralase Spatula

**AE-2827**

The smooth tip enables easy entry under the flap without adjacent epithelial damage or disruption

**AE-2827S**

Semi-sharp edge



## Holladay

Retreatment LASIK Spatula

**AE-2828**

Spatula effectively lifts the flap and separates the epithelium for retreatment procedures



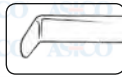


### Machat

LASIK Retreatment Spatula

**AE-2830**

Angulated tip separates and breaks epithelium bond; Spatula lifts flap



### Vidaurri

LASIK Retreatment Spatula

**AE-2831**

Facilitates the enhancement procedure without making a new cut



### Slade

LASIK Retreatment Spatula

**AE-2832**

**AE-2833 With serrations**



### Maloney

Enhancement Hook

**AE-2834**

Used for LASIK



### Kritzinger-Updegraff (KU)

LASIK Flap Elevator & Manipulator

**AE-2835**

Elevator cuts clean edge through the epithelium; Manipulator lifts flap



## Misra-Koch

LASIK Retreatment Spatula

AE-2839



## Buratto

Striae Probe

AE-2841

Tests adhesion of LASIK flap to stroma



## Pineda

LASIK Iron

AE-2844

Removes wrinkles from flap



## Milne

CK Light Touch Marker

AE-2845 6.0 / 7.0 / 8.0 mm

AE-2846 6.5 / 7.5 / 8.5 mm

AE-2847 7.0 / 8.0 mm



## Modi

Low Profile Intra-Op Toric Axis Marker

AE-2848N

Two-in-one design that frees up one hand of the surgeon





**John**

CORNEA

ALK Marker

**AE-2849**

Helps in uniform suture placement  
to attach the donor cornea to the  
anterior recipient corneal bed



**Kobayashi**

CORNEA

DSAEK Scleral Marker

**AE-2851**

Large donor marker with a diameter  
of 16.0 mm



**Miyata**



Toric Axis Marker

**AE-2852**



**Kobayashi**

CORNEA

DSAEK Scleral Marker 18/20 mm

**AE-2853**

Double-ended DSAEK scleral marker  
with one 18.0 mm end and one  
20.0 mm end



## Koch

LRI Axis Marker

**AE-2863**

Used to mark the cornea at 9.5 mm



## Arnold

AK Marker

**AE-2865**

The OZ diameter of 9.0 mm avoids the limbal vessels which are routinely cut with a 10.0 - 10.5 mm marker



## Pineda

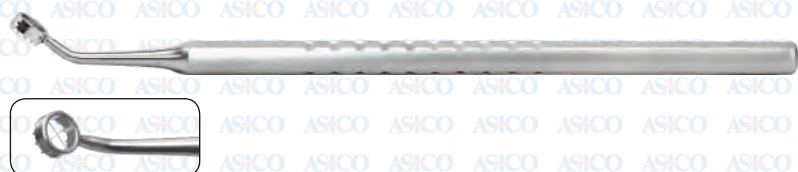
CORNEA



DWEK 4mm Marker,  
12 marking dots

**AE-2867**

Marks 4mm circular pattern of dots;  
Medium profile marker with cross-hairs



## Kobayashi

CORNEA



DSAEK Marker

**AE-2868**

Designed to mark the cornea in dots  
along the circumference to prevent the  
ink from running



## Kobayashi

CORNEA



DALK Spatula with Knife Guide

**AE-2869**

This spatula/dissector has a special  
groove to facilitate dissection of residual  
stroma after creating the big bubble  
while protecting Descemet's membrane  
from the sharp knife



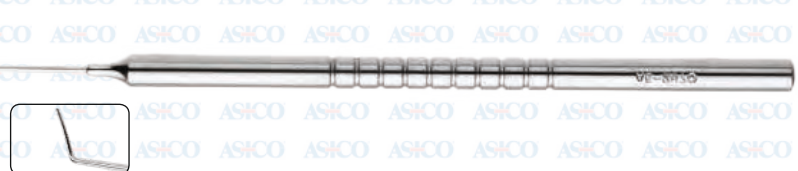
## Tsubota

CORNEA

DLK Spatula

**AE-2870**

Semi-sharp; Ideal for separating the  
stroma from Descemet's membrane  
during DLEK/DSAEK/DXEK procedures





**John**



Dexatome DMEK / DSAEK Spatula  
**AE-2872**

The unique design of this spatula helps in smooth, uniform removal of endothelium



**John**



DXEK / DSAEK Descemet's Stripper  
**AE-2874**

Unique design allows for excellent apposition to the inner-dome curvature of the recipient cornea, allowing for uniform detachment of the host DM without damage to the corneal stroma



**John**



DXEK / DSAEK Stromal Scrubber  
**AE-2878**

Designed to effectively roughen the inner corneal stroma within the Descemetorhexis circle



**John**



DXEK / DSAEK Glider  
**AE-2879**

Unique design and curvature allows for corneal contour-oriented contact between the outer corneal dome and the inner surface of the glider



**Kobayashi**



Interface Fluid Drainage Spatula  
**AE-2899**

Used for inserting into the venting incision to release trapped fluid in DSAEK



**Sarnicola**



Big Bubble Spatula  
**AE-2900**

Helps to create an inner corneal tunnel





## ALK Pre-Descemet's Membrane Spatula

**AE-2902**

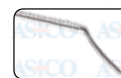
Effectively and safely dissects corneal stroma adjacent to the recipient DM without any significant added risk of tearing the DM



## ALK Narrow Stromal Spatula

**AE-2904**

Facilitates layered separation of the anterior, mid, and deeper corneal stroma; Features a flat lower surface and multi-curved convex top surface



## ALK Compression Disc

**AE-2905**

Designed to be used on the surface of the cornea to press down the donor disk during total ALK with fibrin glue



## Carones

### PRK Dispenser

**AE-2910**

Tip orifice diameter of 4.0 mm; Pump chamber is filled with alcohol by removing the end cap





### Optic Zone

PRK Cannula for Dispenser

**AE-2911** 7.0 mm

**AE-2912** 9.0 mm

**AE-2913** 9.5 mm

**AE-2914** 10.0 mm



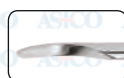
### VRTIS™ VR by ASICO

ILM Spatula

**AE-2916** 27 gauge

**AE-2917** 23 gauge

**AE-2921** 25 gauge



### Vinciguerra

LASEK Spatula

**AE-2922**



### VRTIS™ VR by ASICO

Horio ILM Spatula, 25 gauge

**AE-2923**

Dull tip end with sharp side edges for safe membrane elevation and separation



## Josephberg-Hilton

Trocar Fixation Plate

**AE-2925C** 3.5 mm

**AE-2926C** 4.0 mm



## Inamura

Toric Marker

**AE-2927**

Designed for Asian eyes, the four point toric marker is ideal for use pre-operatively



## AXsys®

Toric Reference Marking Device

**AE-2929**

Marks 0 degree and 180 degree on patient's eye pre-operatively

**AE-2929H** Handle only

Patented device : **USP 9,668,920**



Patented device :  
**USP 9,668,920**



## AXsys®

One Step Electronic Toric Marking Device

**AE-2930**

Only device that uses the sense of sight and sound to help the surgeon pinpoint the horizontal axis easily and accurately; One-step marker marks intra-operative marks pre-operatively

**AE-2930C** Axsys One Step Electronic Marker

**AE-2930H** Handle Only with CCC marker

**AE-2930M** With 5.5 mm CCC Marker

**AE-2939** Electronic head only

Patented device : **USP 9,668,920**



Patented device :  
**USP 9,668,920**





### Akahoshi



Intra-operative Axis Marker with  
CCC Guide

**AE-2933**

Outer diameter is as small as 10.0 mm  
to mark the desired axis intra-operatively;  
The inner distance between the blades is  
5.0 mm indicating the ideal CCC size



### Kraff



IntraLase™ Centering Device

**AE-2934**

Designed to be used with the  
IntraLase™ suction ring to increase the  
accuracy in centering the suction ring's  
placement on the patient's eye



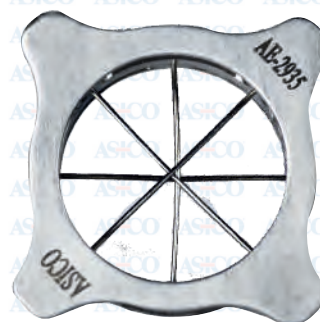
### Holladay



IntraLase™ Double Crosshair Centering Device

**AE-2935**

Double crosshair avoids parallel error



### Horiguchi



ILM Spatula

**AE-2951** 25 gauge

The strong curve of this dull-tipped  
spatula provides safe separation of the  
proliferative membrane from the retina



## Seibel

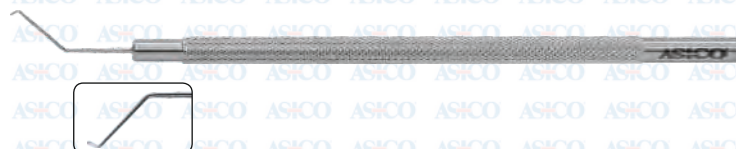
Vertical Safety Quick Chopper

**AE-2960**

Right Hand Dominant

Ideal for vertical chopping

For use in left hand, Stainless Steel



## Kim

Double Chopper

**AE-2961**

For the Double Chop and Cross Chop technique



## Chang-Seibel

Chopper Left

**AE-2962**

Combination chopper with the Chang MicroFinger and the Seibel Vertical Safety Chopper



## Lieberman

Microfinger Left

**AE-2963**

The Lieberman MicroFinger features a curved, hourglass shaped tip for controlling, manipulating and cracking the nucleus during phaco surgery.



## Anis

Ball Tip Manipulator Straight

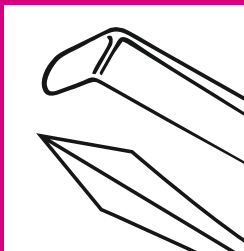
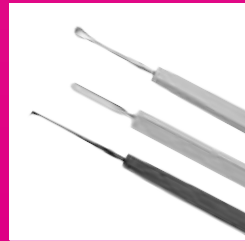
**AE-2964**

Curved distal tip, elongated ball (0.6mm x 0.8mm)





# AE-3000 Series



**INNOVATIONS**  
for Better Outcomes®



## Gill

Corneal Knife

AE-3020 Straight

AE-3021 Curved



## Tooke

Corneal Knife

AE-3025

Straight blade with curved cutting edge



## Girard-Swan

Knife

AE-3030



## Golf Club

Foreign Body Spud

AE-3039



## Graefe

Cystotome Knife

AE-3050



## McPherson-Ziegler

Knife

AE-3060



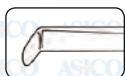


### Suarez

Spreader

**AE-3073**

Semi-sharp edge for  
epikeratophakia



### Wilder

Cystotome

**AE-3080**



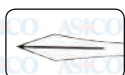
### Vitrectomy

Knife

**AE-3100** Short blade

**AE-3101** Long blade

**AE-3102** Handle only



### Castroviejo

Blade Breaker & Holder

**AE-3200** Small



### Algerbrush

Corneal Rust Ring Remover

**AE-3250** Complete

Includes handle, chuck, and 0.5 mm burr

**AE-3251** 0.5 mm burr only

**AE-3252** 1.0 mm burr only

**AE-3255** Chuck for 0.5 mm burr

Battery powered



### Algerbrush II

Pterygium

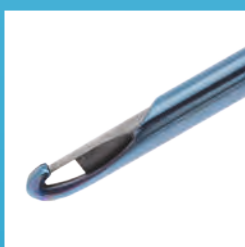
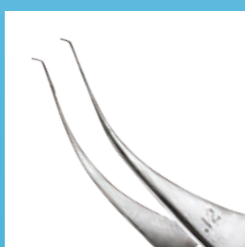
**AE-3260**

Complete set with 3.5 mm diamond-dusted burr

Battery powered



# AE-4000 Series



**INNOVATIONS**  
for Better Outcomes®





## ASICO® AE-4000 Series



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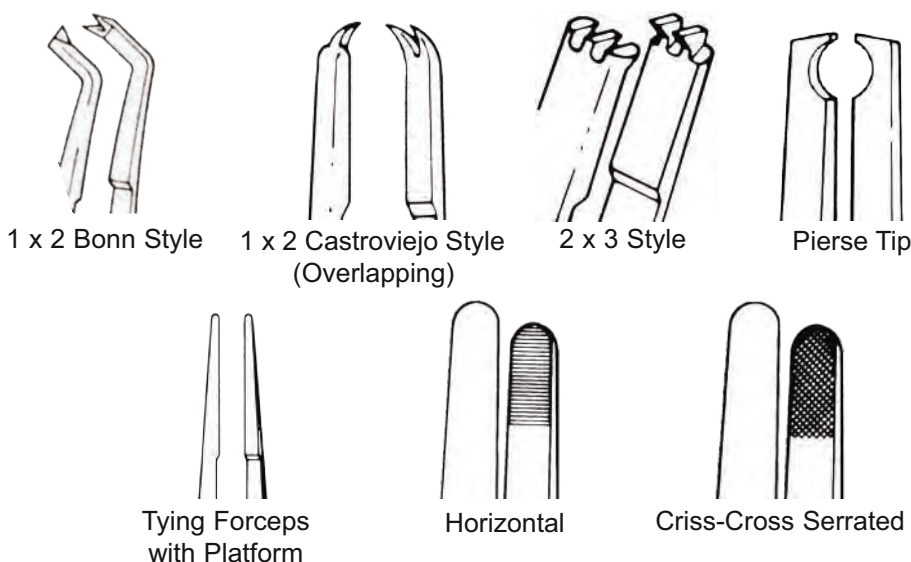
ICL is the registered trademark of **Staar Surgical USA**

ICMS-Intraocular Complication Management System-is the registered trademark of **ASICO LLC**

VRTIS: Vitreo Retinal Trocar Instrument set-is the registered trademark of **ASICO LLC**

SMILE is a registered trademark owned by Carl Zeiss

### TYPES OF FORCEPS TIPS



## Curved

Iris Forceps

**AE-4002**

Delicate, cross-serrated, lightly curved tips with serrated handle and polished finish



## Gill

Curved Iris Forceps

**AE-4011**

1 x 2 teeth, 0.40 mm



## Colibri

Forceps

**AE-4030N**

Very delicate; 1 x 2 teeth; 0.12 mm

**AE-4031N**

1 x 2 teeth, 0.4 mm; with 6.0 mm tying platform



## Gill-Colibri

Forceps

**AE-4034**

Very fine, pointed; 0.5 mm;

With platform



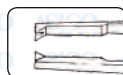
## Harms-Colibri

Corneal Forceps

**AE-4036N**

Very delicate; 1 x 2 teeth; 0.12 mm;

With 6.0 mm tying platform





### Pierse-Colibri

Corneal Forceps

**AE-4038**

0.10 mm; Atraumatic tips



### Pierse

Corneal Forceps

**AE-4039**

0.10 mm; Atraumatic straight tips



### Polack

Double Corneal Forceps

**AE-4041**

For corneal transplant surgery to fixate donor cornea for suturing;  
Very delicate; 1 x 2 teeth, 0.12 mm

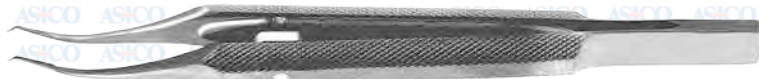


### Nordan

Colibri Forceps

**AE-4045**

Round, knurled handle with flat surface;  
1 x 2 teeth, 0.12 mm; 5 mm tying platform



### Castroviejo-Colibri

Forceps

**AE-4049**

1 x 2 teeth, 0.12 mm; With 5.0 mm tying platform



### Castroviejo-Colibri

Forceps

**AE-4050**

Very delicate, 1 x 2 teeth, 0.12 mm



## Tennant-Maumenee

Colibri Forceps

**AE-4051N**

With 5.0 mm tying platform;  
1 x 2 teeth, 0.12 mm



## Castroviejo

Colibri Forceps

**AE-4053**

With Pierce tips; 0.1 mm  
Atraumatic teeth



## Machat KAMRA™

PEK Forceps

**AE-4058**

Designed specially for KAMRA®  
pocket procedures (PEK)

KAMRA® is registered trademark of Acufocus Inc



## Machat KAMRA®

CLK Forceps

**AE-4059**

Ideal grasping platform for CLK

KAMRA® is registered trademark of Acufocus Inc



## McPherson

Corneal Forceps, Straight

**AE-4060N**

With 6.0 mm tying platform; 1 x 2  
teeth, 0.40 mm



## McPherson

Corneal Forceps

**AE-4061 Angled**

With 6.0 mm tying platform;  
1 x 2 teeth, 0.40 mm





### Kelman-McPherson

Forceps

**AE-4070**

With 7.5 mm tying platform;  
1 x 2 teeth, 0.12 mm

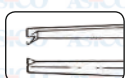


### Hoffer-McPherson

Forceps

**AE-4071**

Very delicate; 1 x 2 teeth, 0.12 mm



### Bonn

Forceps

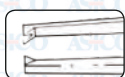
**AE-4080** Short model

1 x 2 teeth, 0.12 mm



**AE-4081**

Long model with 5 mm  
tying platform

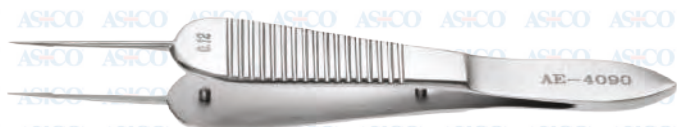


### ASICO

Tooth Forceps

**AE-4090**

Designed with handles that allow a  
better grip and have a precise finish  
on the tips



### Bishop-Harmon

Tissue Forceps

**AE-4100**

Extra delicate; 1 x 2 teeth, 0.40 mm



**AE-4101**

Delicate; 1 x 2 teeth, 0.80 mm



## Bishop-Harmon

Dressing Forceps

**AE-4102**

Criss-cross serrated tips



## Dressing

Forceps

**AE-4110** Straight

**AE-4111** Curved

Serrated, delicate tips



## Tissue

Forceps

**AE-4120** Straight

**AE-4121** Curved

1 x 2 teeth; 0.25 mm

Delicate tips



## Neuhann

USC Glaucoma Forceps

**AE-4130**

Features delicate, serrated tips for micro-manipulation of the tissue to unroof Schlemm's Canal for deep sclerectomy and viscocanalostomy



## Neuhann-Mermoud

USC Forceps

**AE-4131** Straight

Straight with delicate tips for micro-manipulation of the tissue to unroof Schlemm's Canal for deep sclerectomy and viscocanalostomy



## Bores

Corneal Fixation Forceps

**AE-4150** Straight

U-shaped; 3.0 mm spread;

1 x 2 teeth at each tip, 0.12 mm



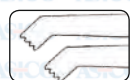


## Bores

Incision Spreading Forceps

**AE-4151**

0.5 mm square jaws; With micro-serrations; Preset to limit opening of jaws

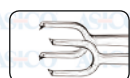


## Nordan

Corneal Fixation Forceps

**AE-4155 Curved**

U-shaped; 8 mm spread; 1 x 2 teeth at end; 0.12 mm; With lock



## Nakamura

Fixation Forceps

**AE-4158**

Used for corneal fixation



## Thorpe

Forceps

**AE-4159N**

For corneal fixation; With laser lines



## Elschnig

Fixation Forceps

**AE-4160**

Angled with 1 x 2 teeth, 0.90 mm



## Graefe

Fixation Forceps

**AE-4164**

5.0 mm wide jaws; Multiple teeth



## Green

Fixation Forceps

**AE-4168**

5.0 mm wide jaws; Multiple teeth



## Lester

Fixation Forceps

**AE-4172** 1 x 2 teeth, 0.40 mm

**AE-4173** 2 x 3 teeth, 0.40 mm



## Kellan

Fixation Forceps

**AE-4175**

With serrated and Pierse tips for fixation; Ideal for clear corneal surgery



## Koch

Sideport Forceps

**AE-4176**

Paracentesis fixation device for topical anesthesia procedures



## Akahoshi

Universal Forceps

**AE-4180**

For atraumatic holding and controlling the eye position



## Akahoshi

Iris Hook Forceps

**AE-4181**

Broad and flat sandblasted forceps tips hold the iris retractor firmly and prevent rotation of the hooks; Can introduce the retractor head easily into the small corneal paracentesis



## Akahoshi

Vienna Window Prechopper

**AE-4183**

Prechopper with broader surface; Blades provide better separation of the bisected nucleus



Patent pending

## Brooks

Prechopper

**AE-4186**

Invaluable tool for safe and effective nucleus breakup; Prechopper can be used as effective cracker even in hard nucleus





**Inamura**



Soft Nucleus Prechopper

**AE-4189**

Designed for soft nuclei; 5.0 mm long blade with rounded off tip allows for easy division of the nucleus; For grades 1 to 2



**Akahoshi**



Combo II Prechopper

**AE-4190**

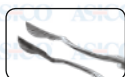
Designed to prechop soft nuclei grades 1 to 2 using the karate (vertical) prechop technique to reduce phaco time for the micro coaxial technique



**AE-4190A**

Combo II Prechopper, Thin tips

Designed with ultra thin blades to prechop nuclei grades 1 to 2.5 using the karate (vertical) prechop technique



**Akahoshi**



Super Combo III Prechopper

**AE-4191**

For nuclei of grades 1 to 3



**Akahoshi**



Universal II Prechopper

**AE-4192**

Used to safely and effectively prechop nuclei of grades 2 to 4



**AE-4192A**

Universal II Pre-Chopper, Thin tips

Designed with ultra thin blades; Used to safely and effectively prechop nuclei of grades 2 to 4; Recommended to use with sustainer (eg: AE-2530)





## Hill

Prechopper

**AE-4193**

For nuclei grade 2 or lower



## Aguilar

Prechopper

**AE-4194**

Smaller blades for easier entry through a 2.0 mm incision size



Patent pending



## Nagahara

Chopper/Splitter 21G

**AE-4195**

Tip can also be used as a chopper



Patented Device

**USP 8,262,682**



## Nagahara

Vertical Nucleus Chopper

**AE-4196**

Designed to crack the nucleus in femtosecond cataract procedure



Patented Device

**USP 8,262,682**



## Akahoshi

Combo IV Double Edged Prechopper

**AE-4198**

Popular Combo Prechopper with thinner blades and double sharp edges, for Grade 1-4. Recommended to use with Nucleus Sustainer AE-2530



Patent pending



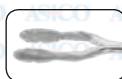




Sharp Paddle Prechopper

**AE-4199**

Paddle shaped Prechopper has no sharp angular edge; Grades 1-2; Thin blades easily insert into nucleus with out stressing ciliary zonules



Patent pending



**Guell**

DMEK Forceps

**AE-4210**

Broad tips to firmly grasp and remove the donor endothelium without tearing

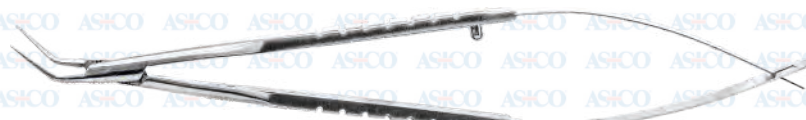


**Blaydes**

Lens Holding Forceps

**AE-4211**

Angle to tip 10.0 mm; Very delicate, narrow, smooth jaws; 45 degree angle



**Sarnicola**

DMEK Stripper

**AE-4212**

Designed to complete the DM separation from the donor stroma, after using the peripheral dissector



**Villarrubia**

DSAEK Forceps

**AE-4219**

Enters through an incision opposite the main incision to gently guide the donor disk into the anterior chamber; Bonn style 1 x 2 teeth, 0.12 mm



## Kobayashi-Tan

DSAEK Forceps

**AE-4221** 25 gauge

Enters through an incision opposite the main incision to gently guide the donor disk into the anterior chamber



## Kellan

Endocapsular IOL Insertion Forceps

**AE-4222**

Diameter of the tip is 0.15 mm for implantation of the superior haptic of the IOL



## Vukich

ICL® Forceps

**AE-4224**

Long delicate jaws allow accurate positioning of the ICL® within the cartridge of the injector

ICL is a registered trademark of Staar Surgical



## Tan

DSAEK/SMILE Forceps

**AE-4226**, 23 gauge

Designed to allow grasping the donor button on the stromal side to minimize the endothelial cell loss



## John

DSAEK Insertion Forceps

**AE-4227**

Unique forceps design allows for distal tip contact first preventing tissue compression and protecting donor corneal endothelium



## Lopez

DXEK/DSAEK Insertion Forceps

**AE-4228**, 23 gauge

Inserts the donor button directly through the incision





### Kraff

Lens Holding Forceps

**AE-4230**

Delicate, curved jaws grasp optic edge of the lens



### Sinskey

Lens Holding Forceps

**AE-4237L With lock**

Delicate T-shaped lower jaw which is ideal for biconvex, ridged, or plano lenses; Ideal for phakic lens implantation; 45 degree bend for superior approach



### Lieberman

Micro-Ring Lens Forceps

**AE-4240**

Enables easy implantation of IOL haptic and optic; 15 degree angulation of jaws for comfortable hand position



### Packo

Conjunctiva Forceps

**AE-4244**

For non-traumatic manipulation of the conjunctiva



### Faulkner

Lens Holding Forceps

**AE-4245N**

Smooth, polished, rounded jaws which are ideal for picking up foldable IOLs from lens cases



## Faulkner II

Lens Inserting Forceps

**AE-4247**



## Akahoshi

Lens Holding Forceps

**AE-4250**



## Buratto

Acrylic Lens Folder

**AE-4252A**

Ideal for 5.5 mm and 6.0 mm foldable IOLs; Consistently folds acrylic IOL evenly and equally; Design prevents IOL from reverse folding; Lenses can be folded 12-6 or 3-9 (oblique); Prewarming of lens is not necessary



## Akahoshi

Acrylic IOL Loading Forceps

**AE-4253N**

Narrow blades enable easy pick up of the Acrysof<sup>®</sup> single piece and three piece IOL from the container

Acrysof is a registered trademark of Alcon



## Cumming

Silicone IOL Folder

**AE-4254**

Ideal for three piece and plate haptic IOLs; Long paddles allow for secure pickup of the IOL and for even and effective folding





## Lovisolo

ICL® Cartridge Loading Forceps

**AE-4255N**

Round, polished jaws can easily remove the lens from the container and place it inside the cartridge



## Lovisolo

ICL® Removal Forceps

**AE-4256**

Round, sandblasted jaws firmly grasp lens inside the eye for removal in case of upside-down placement



## Kellan

Foldable IOL Forceps

**AE-4260**

Designed to contour the silicone IOL rather than fold the IOL



## ASICO

Direct Action Folding Forceps

**AE-4262AN**

Evenly folds acrylic and silicone lenses of 5.5 mm or 6.0 mm diameter; Paddles effectively pick up lens for even and equal folding



## ASICO

Direct Action Implantation Forceps

**AE-4267 With lock**

Ideal for silicone and acrylic IOLs; Forceps open to 6.0 mm inside the eye for non-explosive release of the lens without compromising a 2.8 mm incision



**Patented Device  
USP 5,752,960**

## Akahoshi

Acrylic Implantation Forceps

**AE-4269 Flat handle**

Thin, smoothly polished tips will not damage acrylic lenses; For easy implantation without stretching a small incision



## Kraff

Nucleus Splitter

**AE-4270N**

Effectively splits the nucleus during the phaco procedure



## Buratto II

Acrylic IOL Implantation Forceps

**AE-4272N** Without lock

**AE-4272L** With lock

Highly polished jaws are extremely thin and smooth to implant lens through a small incision



## Buratto

Extra Fine Acrylic Implant Forceps III

**AE-4273N**



## Zaldivar

Micro Acrylic Implant Forceps

**AE-4276L** With lock

**AE-4276N** Without lock

Specially designed flat tip on the leading edge of the forceps with lock facilitates implantation through a small clear corneal incision



## Cumming

Crystal Lens Forceps

**AE-4278**

**AE-4278L** With lock

Uniquely designed flat tip on the leading edge of the forceps facilitates implantation through a small clear corneal incision





**Akahoshi** 

Combo Prechopper

**AE-4284**

Suitable for karate prechop (vertical prechop); Safely prechop nuclei grades 1 to 2



**Akahoshi** 

Hybrid Combo Prechopper

**AE-4286**

For nuclei grades 1 to 4

Suitable for karate prechop (vertical prechop)



**Akahoshi**  

Universal Nucleus Splitter

**AE-4289**

Helps complete the splitting of incompletely prechopped nuclei used for Femto Phaco procedures



**ASICO**

IOL Haptic Amputator

**AE-4290**

19 gauge; Amputate the loop of PMMA, polypropylene, polyamide, or other haptic material(s); With protective cap; used for Femto Phaco procedures

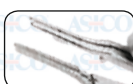


**Phillips**

IOL Cutter

**AE-4292**

Designed to allow intraocular cutting of foldable silicone, hydrogel, and acrylic IOLs



**Inamura** 

Eagle Prechopper

**AE-4293**

For nuclei grades 1 to 4; Narrow tip is easy to insert into denser nuclei





**Yeoh**

Femto Prechopper

**AE-4294**

Completely blunt and thin for complete nucleus separation



**Escaf**

Prechopper

**AE-4295**

Broad surface divides the nucleus easily

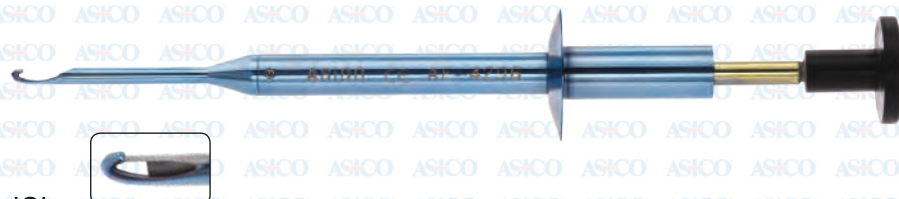


**ASICO**

IOL Cutter

**AE-4296**

Designed to securely cut and remove silicone and/or acrylic IOLs; Atraumatic shape on the front end of the tip for easy insertion through a 3 mm wound; Features a cavity for holding the lens



**Inamura**

Hard Nucleus Prechopper

**AE-4297**

Designed to penetrate into dense nuclei above grade 3



**Kim-Inamura**

Prechopper

**AE-4298**

Designed to penetrate into dense nuclei above grade 3; Made with a narrow 1.7mm neck



**Crozafon**

Prechopper

**AE-4299**

Allows for easier separation of femtochopped nuclei





**Castroviejo**

Suturing Forceps

**AE-4300** 0.12 mm

**AE-4302N** 0.3 mm

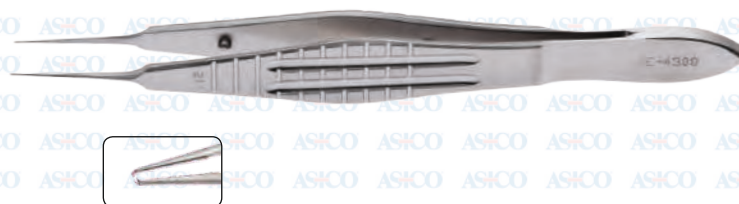
**AE-4304** 0.5 mm

**AE-4304L** 0.5 mm with lock

**AE-4306** 0.9 mm

**AE-4309** 0.12 mm with bright finish

1 X 2 teeth with 6 mm platform


**Castroviejo**

Suturing Forceps

**AE-4313** 0.3 mm

**AE-4315** 0.5 mm

1 x 2 teeth with 5.5 mm  
tying platform; Angled

**Girard**

Corneal Scleral Forceps

**AE-4320** Right

**AE-4321** Left

0.12 mm, 1 x 2 teeth with  
7.0 mm tying platform;  
Angled

**Kraff**

Corneal Forceps

**AE-4329**

0.12 mm, 1 x 2 teeth forceps  
with tying platform

**Manhattan Eye & Ear**

Suturing Forceps

**AE-4330**

0.40 mm, 1 x 2 teeth with  
tying platform

**Izquierdo**

Femtosecond Double-Ended Forceps

**AE-4332**

Creates a clean, complete flap and  
assists in easy lifting of the flap; Can  
be used to manipulate and protect  
fragile tissue


Uy



Femtosecond Capsulotomy Forceps

**AE-4333**

Features a blunt tip which allows for easy removal of the capsule button in femtosecond cataract cases



**Akahoshi**



Curved Tying Forceps

**AE-4334**

Features a flat handle; Suitable for tying 10-0 nylon sutures



**Akahoshi**



Curved Tooth Forceps

**AE-4335**

Features a flat handle; Suitable for suturing the corneal incision



**Akahoshi**



Nucleus Cross-Action Forceps

**AE-4340**

Suitable for removing nuclear fragments through a small incision



**Akahoshi**



Capsulorhexis Forceps

**AE-4344**

**AE-4344L With laser lines**

Long, thin blades that manipulate easily through a 2.0 mm or smaller incision; Sharp tip acts as a cystotome



**Akahoshi**



Forceps with Round Handle, Straight Tips

**AE-4344R**

Straight jaws allow for easy movement within the anterior chamber through incisions as small as 1.8 mm; Triangular tips can be used as a cystotome; Round handle for great maneuverability; Laser lines 1.0 mm apart





## Tjia-Akahoshi



Capsulorhexis Forceps

**AE-4344V**

Long, thin blades manipulate easily through a 2.0 mm or smaller incision; Vaulted jaws contour to the shape of the anterior capsule



## Akahoshi-Tjia



Forceps with Round Handle, Vaulted Tips

**AE-4344VR**

Angled 12.0 mm jaws with special alignment mechanism allow for easy movement within the anterior chamber through incisions as small as 1.8 mm without stretching the incision size



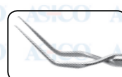
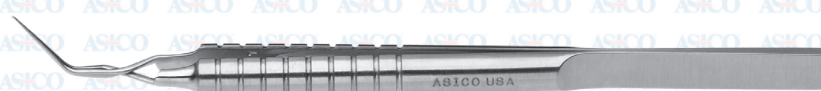
## Akahoshi



Capsulorhexis Cross-Action Forceps

**AE-4345**

Unique cross-action mechanism reduces loss of viscoelastic material through the incision



## Inamura Super III



Capsulorhexis Forceps

**AE-4346**

Patented reverse cross-action mechanism minimizes incision stretching and reduces viscoelastic loss



**Patented Device  
USP 5,752,960**

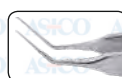
## Akahoshi



Micro-Incision Capsulorhexis Forceps

**AE-4347**

Flat handle; Manipulates easily through a 1.8 mm incision; 6 laser lines on the shaft 1.0 mm apart



**AE-4347M**

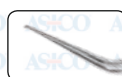
Flat handle with 5.5 mm marker

**AE-4347NL**

With no laser lines

**AE-4347R**

Round handle with no laser lines





## Capsulorhexis Forceps

**AE-4348**

Fine, angled tips are ideal for grasping the delicate capsule



## Capsulorhexis Forceps

**AE-4349**

Unique asymmetrical structure; Right tip is dull, but the left tip is 0.5 mm longer and sharpened



## Tying Forceps

**AE-4350** Straight

**AE-4351** Curved

Smooth jaws with 6.0 mm tying platform; 0.5 mm tip width; Ideal for 7-0 to 9-0 sutures



## LASIK Forceps

**AE-4356**

Serrations allow for an effective non-traumatic grasp of the flap



## LASIK Forceps

**AE-4358**

Circular rings with an internal sandblasted surface ensure a firm hold of the flap



## LASIK Forceps

**AE-4359**

Solid oval tip with a sandblasted inner surface manipulates the flap with minimal risk of tearing or trauma





### Jaffe

Tying Forceps

**AE-4360** Straight

**AE-4361** Curved

Smooth jaws with tying platform; Ideal for 8-0 to 11-0 sutures



### Buratto

LASIK Forceps

**AE-4362**

Features fine sandblasting on tips for effective lifting of the flap



### Kobayashi

Chalasis Forceps

**AE-4368**

**AE-4368S** Small



### McPherson

Tying Forceps

**AE-4370** Straight

**AE-4373** Straight, long handle

Straight, smooth jaws with 5.0 mm platform; Ideal for 8-0 to 11-0 suture



### McPherson

Tying Forceps, Angled

**AE-4371**

**AE-4374** Long handle

Angled, smooth jaws with 5.0 mm platform; Ideal for 8-0 to 11-0 sutures



## Kelman-McPherson

Forceps

**AE-4372**

**AE-4375** Long handle

Angled, smooth 7.5 mm long jaws; Ideal for implanting the IOL



## ASICO

Tying Forceps

**AE-4377** Straight

Designed with handles that allow a better grip and have a precise finish on the tips



## Sinskey

Tying Forceps

**AE-4378** Straight

**AE-4379** Curved

Very delicate, smooth jaws; Ideal for 8-0 to 11-0 sutures



## Tennant

Tying Forceps

**AE-4380** Straight

Extra delicate, smooth jaws with 6 mm long platform; Ideal for 9-0 to 11-0 sutures



## Tennant

Tying Forceps

**AE-4381** Curved

Extra delicate, smooth jaws with 6 mm long platform; Ideal for 9-0 to 11-0 sutures







Micro Capsulorhexis Forceps

**AE-4385** 23 gauge

**AE-4385S** 23 gauge with short handle

Sharp tip can be used as cystotome;  
90 degree curved forceps allow for  
easy maneuverability through the  
paracentesis incision



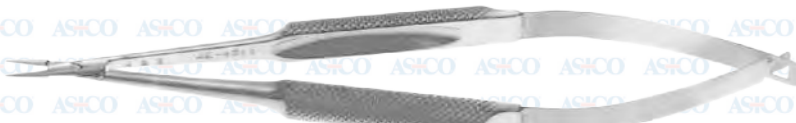
**Anis**

Tying Forceps

**AE-4386** Straight

**AE-4387** Curved

Extra delicate, smooth jaws;  
Ideal for 9-0 to 11-0 sutures



Capsulorhexis Forceps

**AE-4388** 23 gauge

Sharp tip can be used as a  
cystotome; Serrations extend  
to the end of the jaws for better  
grasping of the anterior capsule in  
the presence of viscoelastic



Micro Capsulorhexis Forceps, Short

**AE-4389S** 23 gauge

Square profile of jaws seals the  
incision, eliminating viscoelastic  
leakage and anterior chamber  
flattening; Opens and closes within  
the anterior chamber to prevent  
incision stretching



Capsulorhexis Forceps

**AE-4390**

Square profile of jaws seals the  
incision, eliminating viscoelastic  
leakage and anterior chamber  
flattening



## Gaskin

Fragment Forceps

**AE-4391**

Angled; Very delicate, smooth jaws



## Kraff-Utrata

Capsulorhexis Forceps

**AE-4394**

**AE-4394L\*** With laser lines

**AE-4394S** With sharp tip that acts as a cystotome

**AE-4394SL\***

With sharp tip and laser lines  
Recessed jaws prevent inadvertent iris pickup; Tongue and groove system keeps jaws aligned



## Kraff-Utrata

Capsulorhexis Forceps

**AE-4395SL\*** With laser lines

**AE-4395SN** Without laser lines

Vaulted with sharp tip that acts as a cystotome; Tongue and groove system keeps jaws aligned



## Kellan

Capsulorhexis Forceps

**AE-4397**

**AE-4397V\*** Vaulted

**AE-4397VL\*** Vaulted with laser lines

Cupped tips effectively grasp the anterior capsule; Tongue and groove system keeps jaws aligned



\*Millimeter markings on the jaw are spaced at 1 mm apart to measure the diameter of capsulorhexis from 1 mm to 6 mm





## Kansas

Phacosection Fragment Forceps

**AE-4399**

Jaws with multiple teeth for manual nuclear fragmentation



## Berke

Ptosis Forceps

**AE-4400** 20 mm

**AE-4401** 27 mm

With sliding lock; Longitudinally grooved jaws



## Ikedai Nozomi

Capsulorhexis Forceps

**AE-4402** 23 gauge

**AE-4402S** 23 gauge with short shaft & handle

Forceps tip has a unique design inspired by Japan's Shinkansen Super Express



## Fujita

Capsulorhexis Forceps

**AE-4403**

Fits through a 2.4 mm incision; Sharp tips can be used as a cystotome; Improved hinge joint for better durability; Fenestrated handle to reduces the weight of the instrument



## Kawai

Capsulorhexis Forceps

**AE-4404** 25 gauge

Recessed space in jaws prevents inadvertent iris pick up

**AE-4406** 27 gauge



## Fujita-Inamura



Capsulorhexis Forceps

**AE-4407**

Fits through a 2.4 mm incision; Sharp tips can easily make CCC penetration



## Inamura



Flat Handle Capsulorhexis Forceps

**AE-4408**

Fits through 2.4 mm incision; Cross-action mechanism; Sharp tips can easily make CCC penetration



Also available in round handle **AE-4408R**

## Jameson

Muscle Forceps

**AE-4410 Right**

**AE-4411 Left**

With sliding lock; 6 teeth; Adult size



## Nugent

Superior Rectus Forceps

**AE-4420**

Angled, 1 x 1 teeth



## Troutman

Superior Rectus Forceps

**AE-4430**

1.2 mm wide-angled jaws;  
1 x 2 teeth, 0.5 mm



## Bonaccolto

Utility Forceps

**AE-4440** 1.2 mm wide

**AE-4441** 1.7 mm wide

Longitudinally serrated jaws with cross serrations at tips



## Zaldivar-Kraff ICL®

ICL is a registered trademark of Staar Surgical

PACman Forceps

**AE-4446** 20 gauge

A gentle curve at the tip of the jaws contours to the curvature of the optic, so that it is not touched by the forceps; Length of the jaws aligns with the length of the haptics through a 2.4mm incision and the jaws open wider for an easier grasp





### Nakamura

ICL® Loading/Removal Forceps

**AE-4447** 23 gauge

Features specially designed jaws with atraumatic ridges to grasp the ICL®



### Arruga

Capsule Forceps

**AE-4500** Standard curve

**AE-4501** New curve



### Kraff-Utrata



Capsulorhexis Forceps with Sharp Tip/  
Laser Lines

**AE-4503RH**

**AE-4504RH** Vaulted tips

Sharp tips can be used as cystotome; Jaws are recessed to prevent iris pickup; 1 mm laser lines aid in measuring capsulorhexis; Round handle for better maneuverability



### Pineda



DWEK Forceps, Curved

**AE-4510**

Sharp curved forceps designed for Descemetorhexis; 23G micro forceps design for 0.6 mm incision



### Manche



Smile Forceps, Short Handle

**AE-4511**

Forceps designed to easily retrieve the SMILE Lenticule



### Barraquer

Cilia Forceps

**AE-4520**

Lightly Angled; Smooth Jaws

**AE-4520N** Long handle



### Yoshitomi

Meibomian Gland Compressor

**AE-4521**

Gland compressor forceps designed for treatment of MGD and for gland/eyelid massage



## ASICO

Cilia Forceps without Platform

**AE-4526**

Without platform; Used for grasping the eyelashes

**AE-4528** With platform

Fine tips that allow for better grasping of the eyelashes

**AE-4529** Titanium with platform

Blue color handle



## Erhardt

Lid Forceps

**AE-4530**

Oval-shaped tip



## Graether

Pupil Expander Forceps

**AE-4545**



## Baird

Chalazion Forceps

**AE-4600**

Oval, small



## Desmarres

Chalazion Forceps

**AE-4610**

Large size



## Francis

Chalazion Forceps

**AE-4620**

Medium size



## Hunt

Chalazion Forceps

**AE-4630**

Round shape





## Lambert

Chalazion Forceps

**AE-4640**

Round, small



## Lordan

Chalazion Forceps

**AE-4650**

Triangular jaws



## Wies

Chalazion Forceps

**AE-4660**

Grooved upper jaw



## ASICO

Jeweler's Forceps\*

**AE-4701 #1**

Standard tips



## ASICO

Jeweler's Forceps\*

**AE-4703 #3**

Delicate tips



## ASICO

Jeweler's Forceps\*

**AE-4703C #3C**

Delicate, short tips



## ASICO

Jeweler's Forceps\*

**AE-4704 #4**

Delicate tips



## ASICO

Jeweler's Forceps\*

**AE-4705 #5**

Delicate tips



\*Non-magnetic stainless steel



## ASICO

Jeweler's Forceps\*

**AE-4705A #5A**

Delicate, angled tips for removal of 9-0 and 10-0 sutures

**\*Non-magnetic stainless steel**



## ASICO

Jeweler's Forceps\*

**AE-4707 #7**

Curved tips

**\*Non-magnetic stainless steel**



## Baby Jones

Towel Clamp

**AE-4800**

Cross-action



## Halsted

Mosquito Forceps

**AE-4810 Straight**

**AE-4811 Angled**

Delicate, serrated tips



## Hartmann

Mosquito Forceps

**AE-4815 Straight**

**AE-4816 Angled**

Delicate, serrated tips



## Serrefine

**AE-4820**

Small, straight





## Akahoshi

Scrubbing Forceps

**AE-4821**



## Scleral

Plug Forceps

**AE-4900N**

For implanting scleral plugs of various sizes



## Chee

Haptic Micrograsper 23 gauge

**AE-4901 Horizontal**

**AE-4902 Vertical**

Retrieves the haptic of an IOL through a sclerotomy during the process of intrascleral fixation of an IOL



## Chee

Angulated Subluxated IOL Grasping Forceps 23 gauge

**AE-4903**

Slim profile and the angulation of the tip allow insertion through a paracentesis to securely grasp a posteriorly displaced intraocular lens optic or haptic atraumatically regardless of orientation, facilitating retrieval into the anterior segment



## Nishi

IOL Haptic Fixation Forceps

**AE-4904 23 gauge**

Bent and grooved tip facilitates grasping of haptic tip easily and appropriately



## Retinal

Tack Forceps Tip

**AE-4905**

Used along with a Grieshaber Sutherland handle



# FORCEPS • PINZAS • PINCES • PINZA • PINZETTEN • 鉗子

## ICMS®

ICMS-Intraocular Complication Management System-  
is the registered trademark of ASICO LLC

Tying Forceps, Curved Shaft

**AE-4906** 23 gauge

28 mm Shaft length; Features specially  
designed jaws for handling the sutures  
securely without damage



## Chee

Subluxated IOL Grasping Forceps

**AE-4907** 21 gauge

Specially designed atraumatic forceps  
has gently sandblasted gripping surfaces  
that allow the surgeon to reach and hold  
the IOL optic or haptic as needed



## ICMS®

ICMS-Intraocular Complication Management System-  
is the registered trademark of ASICO LLC

Tying Forceps, Straight Shaft

**AE-4908** 23 gauge

Features specially designed jaws for  
handling the sutures securely without  
damage



## VRTIS™ Tanaka VR by ASICO

VRTIS : Vitreo Retinal Trocar Instrument system -  
is the registered trademark of ASICO LLC

Maculorhexis Trocar Forceps

**AE-4909** 23 gauge

Designed to perform rhexis on the  
macula; Specially designed tip to initiate  
the rhexis



## Watzke

Sleeve Spreader

**AE-4910**



## VRTIS™ Tano VR by ASICO

VRTIS : Vitreo Retinal Trocar Instrument system -  
is the registered trademark of ASICO LLC

Asymmetrical Forceps

**AE-4911** 23 gauge

Designed to ensure an  
excellent grip and visibility;  
Platform is pointed to one side  
for precise grasping along the  
retinal surface





## VRTIS™ VR by ASICO

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Fine End-Gripping Forceps, 23 gauge

**AE-4912**

**AE-4912T Thin**

Blunt tip with a 1.25 mm angled platform precisely grasps thin membranes; For ILM, maculorhexis, and other VR procedures



## VRTIS™ Corcostegui

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Pick Forceps, 23 gauge

**AE-4913**

**AE-4913T Thin**

Curved jaws are designed to provide increased visibility while grasping and elevating the membrane even when the jaws are closed



Patented

## VRTIS™ VR by ASICO

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Serrated Forceps

**AE-4914** 23 gauge

Features serrations on the inside 1.5 mm length of the jaw; Designed for effective non-slip grasping of the membrane



## VRTIS™ Corcostegui

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Pick Forceps

**AE-4915** 27 gauge

Curved jaws are designed to provide increased visibility while grasping and elevating the membrane even when the jaws are closed



## VRTIS™ Tano VR by ASICO

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Asymmetrical Forceps

**AE-4916** 27 gauge

Designed to ensure an excellent grip and visibility



## VRTIS™ VR by ASICO

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Thin Fine End-Gripping Forceps

**AE-4917** 27 gauge

Thin profile increases accessibility to and maneuverability around the macular region



## VRTIS™ Kawai

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Pick Forceps

**AE-4918 23 gauge**

Fine, serrated platform with 45 degree pick facilitates firm grasping of ILM without initial flap by MVR



## VRTIS™



VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Pick and Peel Forceps

**AE-4919 23 gauge**

Fine tip pick facilitates firm grasping of ILM without initial flap by MVR; Uniquely designed tips assist in easy picking and peeling of the ILM membrane



## VRTIS™ Tano



VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Asymmetrical Forceps

**AE-4923 25 gauge**

Designed to ensure an excellent grip and visibility



## VRTIS™



VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Fine End-Gripping Forceps, 25 gauge

**AE-4924**

**AE-4924T Thin**

Multi-utility design for a variety of VR procedures including ILM and maculorhexis



## VRTIS™ Corcostegui

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Pick Forceps, 25 gauge

**AE-4925**

**AE-4925T Thin**

Curved jaws are designed to provide increased visibility while grasping and elevating the membrane even when the jaws are closed



Patented

## VRTIS™



VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Serrated Forceps

**AE-4926 25 gauge**

Designed for effective non-slip grasping of the membrane





## VRTIS™ Horio

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### ILM/Subretinal Forceps

**AE-4927 25 gauge**

Allows for better visibility while peeling the ILM membrane



## VRTIS™ VR by ASICO

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Pick and Peel Forceps

**AE-4929 25 gauge**

Fine tip pick facilitates firm grasping of ILM without initial flap by MVR; Uniquely designed tips assist in easy picking and peeling of the ILM membrane



## Kobayashi

CORNEA

### DMEK Forceps 25 gauge

**AE-4933 Vertical**

**AE-4934 Horizontal**

Atraumatic, ring-shaped tip to grasp the membrane edge of Descemet's membrane for DSAEK/DMEK



## Kobayashi

CORNEA

### DMEK Small Tissue Forceps, 25 gauge

**AE-4935 Vertical**

**AE-4936 Horizontal**

Atraumatic, sandblasted tip to grasp the membrane edge of Descemet's membrane for DSAEK/DMEK



## Chee

ICMS™  
ICMS-Intracocular Complication Management System - is the registered trademark of ASICO LLC

### Subluxated IOL Grasping Forceps

**AE-4939 23 gauge**

Atraumatic with gently sandblasted gripping surfaces that allow the surgeon to reach and hold the IOL optic or haptic as needed



## John

CORNEA

### Retrocorneal Super Micro Forceps

**AE-4962 23 gauge**

Round, smooth handle allows side-to-side rotation for holding, pulling, and retracting tissues at different angles within the anterior chamber at the retrocorneal plane



## Zaldivar

Iridectomy Forceps

**AE-4965** 23 gauge

Perfect for grabbing the iris during iridectomy



## ALIO

Iridectomy Forceps

**AE-4965S** 23 gauge

Can be used through sideport; Curvature of shaft ideal for capsulorhexis



## Nishi

Tension Ring Inserter

**AE-4967** 21 gauge

Engages the eyelet of the tension ring and draws the ring into the tube without damage or loss of shape; With micro hook

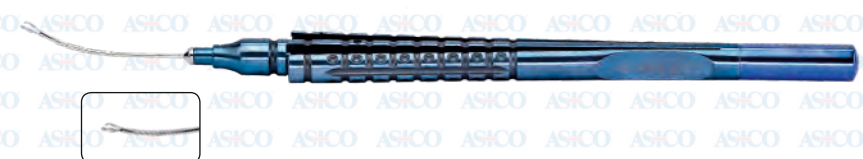


## Nishi

Tension Ring Forceps/Manipulator

**AE-4969** 21 gauge

Tip is ideal for use through a sideport incision; Distal tip is made up of a disc with a hole to accommodate the manipulator



## Tanaka

Maculorhexis Forceps

**AE-4975** 23 gauge

Designed to perform rhexis on the macula; Specially designed tip to initiate the rhexis



## Kawai

ILM Forceps

**AE-4980** 23 gauge

Specially designed platform for better visibility of the thin membrane in the macular region; Coated jaws for secure grasping with a non-glare finish





# AE-5000 Series



**INNOVATIONS**  
for Better Outcomes®



# ASICO® AE-5000 Series

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Some models feature a stop in order to advance the scissors without removing the blades from the incision.

Scissors which feature an inner blade longer than the outer blade are also for advancing without removing the blades from the incision.

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## Castroviejo

Corneal Section (Corneoscleral)  
Scissors

**AE-5012** Right

**AE-5013** Left

Inner blade 0.5 mm longer than  
outer blade



## Castroviejo

Scissors, Curved Mini Model

**AE-5016** Left

**AE-5017** Right

Miniature model with blunt tips; Flat,  
serrated handle



## Nordan

Corneal Transplant Scissors

**AE-5044** Right (Image shown)

**AE-5045N** Left

Curved, delicate blades



## Troutman-Katzin

Corneal Transplant Scissors

**AE-5046** Right

**AE-5047** Left

Strongly curved 6 mm blades;  
With stop



## Castroviejo

Universal Corneal Scissors, Small

**AE-5052N**

Small 10.0 mm blades;  
Curved, blunt tips



## Castroviejo

Universal Corneal Scissors

**AE-5054**

Medium blades; Curved, blunt tips



## Iris

Scissors

**AE-5100** Straight

**AE-5101** Curved



## Micro

Iris Scissors

**AE-5110** Straight (Image shown)

**AE-5111** Curved





## McPherson-Vannas

Iris Scissors

**AE-5120**

Curved, sharp tips; Miniature



## Barraquer

Iris Scissors

**AE-5220**

Blunt tips



## Vannas

Capsulotomy Scissors

**AE-5400** Straight

**AE-5410** Curved

Very delicate tips



## Vannas

Capsulotomy Scissors

**AE-5420** Angled up

**AE-5430** Angled to side

Very delicate tips



## Shimowake

Nucleus/IOL Scissors

**AE-5436**

Features specially designed tips to cut an acrylic lens and the nucleus



### Shimowake



Nucleus/IOL Scissor, Serrated

**AE-5437**

Features specially designed tips to cut an acrylic lens and the nucleus;  
Serrated tips



### Akahoshi



IOL Scissors

**AE-5438**

Features specially designed tips to cut an acrylic lens and the nucleus



### Stern-Gills

Capsulotomy Scissors

**AE-5490**

Extra thin blades



### Hoffer-Stern

Capsulotomy Scissors

**AE-5491**

Extra thin, curved, sharp convex blades; Ideal for cutting anterior capsule



### Uribe-Stern

Capsulotomy Scissors

**AE-5492**

Extra thin, curved, concave, sharp blades; Ideal for cutting anterior capsule



### ASICO

Vannas Scissors, Straight

**AE-5495N**

Extra thin, sharp points; Ideal for cutting anterior capsule





## ASICO

Vannas Scissors

**AE-5496** Curved

Extra thin, sharp points; Ideal for cutting anterior capsule



## Westcott

Tenotomy Scissors

**AE-5500** Right

**AE-5501** Left

22 mm Curved, blunt blades



## Mini Westcott

Scissors

**AE-5503**

Curved blades



## Shepard-Westcott

Scissors Blade Serrated

**AE-5504**

Curved blades



## McPherson-Westcott

Conjunctival Scissors

**AE-5505**

Curved, blunt tips



## Westcott

Tenotomy Scissors, Right

**AE-5506**



## ASICO

Conjunctival Scissors

**AE-5507**

Designed with a bright finish



## ASICO

Conjunctival Scissors II

**AE-5508**

Designed with a matte finish on the tips and handle



## McPherson-Westcott

Stitch Scissors

**AE-5509**

Very sharp, pointed tips

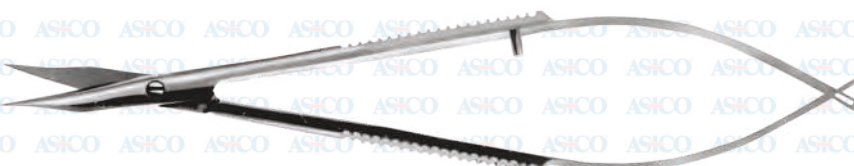


## Westcott-Type

Stitch Scissors

**AE-5510**

Sharp, pointed tips







# SCISSORS • TIJERAS • CISEAUX • FORBICE • SCHEREN • 剪刀



**VRTIS™**

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

**Curved Scissors**

**AE-5606 23 gauge**

Multi-purpose scissors featuring 1.25 mm curved blades



**VRTIS™ Ohji**

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

**Angled Horizontal Scissors**

**AE-5607 23 gauge**

30 degree bend on tip allows for easy insertion and contours to the profile of the globe to safely cut the membrane along the retinal surface



**VRTIS™**

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

**Vertical Scissors**

**AE-5608 23 gauge**

Sharp tip vertical style scissors



**VRTIS™ Kusaka**

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

**Vertical Scissors**

**AE-5609 23 gauge**

Thin profile allows precise control with minimum risk to choroids or underlying membrane; Blunt tips of scissors are atraumatic to the retina; sandblasted finish



**ICMS®**

ICMS-Intraocular Complication Management System - is the registered trademark of ASICO LLC

**Curved Scissors**

**AE-5613 21 gauge**

Multi-functional design featuring curved blades to effectively cut capsular tags, iris, haptics of IOLs, and sutures



## Kusaka



Non-Trocar Vertical Scissors

**AE-5614** 23 gauge

Long blades offer efficient membrane dissection; Blunt tips are atraumatic to the retina; Used in pediatric cases



## VRTIS™ Horio



VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Pick/Scissors

**AE-5615** 25 gauge

Blunt tips provide a safety feature while peeling the ILM, and the sandblasted platform helps catch the ILM



## Hata



Scissors

**AE-5619** 25 gauge

Designed to provide precise control during the CCC procedure; Useful for correction of the tear direction



## VRTIS™

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Curved Scissors

**AE-5623** 25 gauge

Multi-purpose scissors featuring 1.25 mm curved blades



## VRTIS™

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Vertical Scissors

**AE-5625** 25 gauge

Sharp tip vertical style scissors





## VRTIS™ VR by ASICO

VRTIS - Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

### Curved Scissors

**AE-5626** 27 gauge

Multi-purpose scissors featuring curved blades



## Yae

### Scissors

**AE-5662** 25 gauge

Used for iris and anterior chamber surgery



## Kawai

### Horizontal Scissors

**AE-5663** 25 gauge

Used for iris reconstruction



## Zaldivar

### Iridectomy Scissors

**AE-5665** 20 gauge

Can be used through paracentesis incision; Curved blades for cutting ease and better visualization; For use with iridectomy forceps (**AE-4965** or **AE-4965S**)



## Tan



### DALK Scissors

**AE-5666** Left

**AE-5667** Right

Jaws are highly polished to glide across Descemet's membrane; Unique safety platform on the lower side ensures that blades are well-separated from Descemet's membrane when cutting the stroma





## Nishi

Schlemm's Canal Scissors

**AE-5669** 25 gauge

Designed for deep sclerotomy and viscocanalostomy procedures



## McKee-Price

DMEK Scissors

**AE-5670** 23 gauge

Ideal for iridectomy procedure through a 1 mm sideport incision for DMEK and DSEAK procedures



## VRTIS™ Ohji

VRTIS : Vitreo Retinal Trocar Instrument system - is the registered trademark of ASICO LLC

Scissors

**AE-5680** 25 gauge

30 degree bend on tip allows for easy insertion and contours to the profile of the globe to safely cut the membrane along the retinal surface



## Iris

Scissors

**AE-5700** Straight

**AE-5701** Curved

Delicate, pointed tips



## Eye

Scissors

**AE-5702** Straight

**AE-5703** Angled

Standard, pointed tips



## Eye

Scissors

**AE-5705** Straight

**AE-5706** Angled

Standard, large rings





## Stitch

Scissors

**AE-5710**

Needle points; Lightly curved;  
Ring handle



## Stevens

Tenotomy Scissors

**AE-5720** Straight

**AE-5721** Curved

Blunt tips; Ring handle



## Strabismus

Scissors

**AE-5730** Straight

**AE-5731** Curved

Blunt tips; Ring handle



## Enucleation

Scissors

**AE-5740** Medium curve

**AE-5741** Strong curve

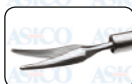
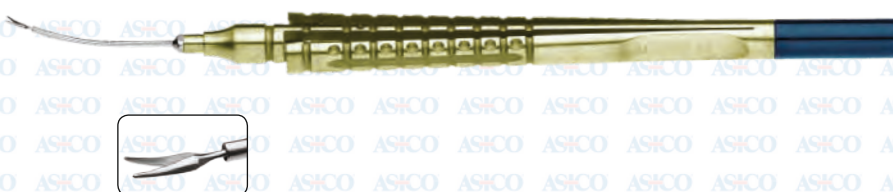


## John CORNEA

Retrocorneal Super Micro  
Scissors

**AE-5762** 20 gauge

Used for cutting hanging  
stroma in DSAEK surgery.  
Allows cutting of the back surface  
of the cornea without making a large  
limbal opening into the AC



# AE-6000 Series



**INNOVATIONS**  
for Better Outcomes®





# ASICO® AE- 6000 Series



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All needle holders are designed with beveled jaws to facilitate the suturing procedure and to eliminate the possibility of inadvertently breaking the suture.

Suture Cutter Models are designed to cut 9.0 to 11.0 sutures, except models AE-6160 and AE-6161, which can be ordered with suture cutters to cut 5-0 to 7-0 sutures.

All specifications shown in the catalog are subject to change without notice. ASICO reserves the right to modify instruments shown, as improved materials, finish and designs become available.

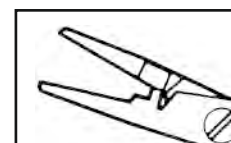
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Shaw Needle Holder Suture Cutter (SNSC)  
Patent No. 4,949,717

To order with suture cutter rechange it to SNSC to catalog number. Not available on titanium needle holders.

complimentary video available.



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153



# NEEDLE HOLDERS

• PORTA-AGUJAS • PORTE-AIGUILLES  
• PORT'AGHI • NADELHALTER • 持針器

## McPherson

Needle Holder

**AE-6000** Straight with lock

**AE-6001** Straight without lock

**AE-6010** Curved with lock

**AE-6011** Curved without lock

Extra delicate jaws; Ideal for 8-0 to 11-0 sutures



## Barraquer

Needle Holder

**AE-6100** Straight with lock

**AE-6101** Straight without lock

**AE-6110** Curved with lock

**AE-6111** Curved without lock

Short model; Delicate jaws; Ideal for 8-0 to 11-0 sutures



## Barraquer

Needle Holder, Delicate Jaws, Straight with Lock

**AE-6130N**

Ideal for 8-0 to 11-0 sutures



## Barraquer

Needle Holder, Delicate Jaws

**AE-6131** Straight without lock (Image shown)

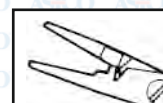
**AE-6140** Curved with lock

**AE-6141** Curved without lock

Ideal for 8-0 to 11-0 sutures



All are available with suture cutters, except titanium models.  
when ordering with a cutter, please add "SNSC" to the catalog number.





## Barraquer

Needle Holder, Most Delicate, CVD

AE-6142 With lock

AE-6143 Without lock



## Troutman

Needle Holder

AE-6150 With lock

AE-6151 Without lock

Strongly curved, delicate jaws;  
Ideal for 8-0 to 11-0 sutures



## Barraquer

Needle Holder

AE-6160 Curved with lock

AE-6161 Curved without lock

Standard jaws; Ideal for 4-0 to 7-0  
sutures



## ASICO

Needle Holder

AE-6170 Straight with lock

AE-6171 Straight without lock

AE-6172 Curved with lock

AE-6173 Curved without lock

Extra delicate jaws; Ideal for 8-0  
to 11-0 sutures



All are available with suture cutters, except titanium models.  
when ordering with a cutter, please add "SNSC" to the catalog number.



## Castroviejo

Needle Holder, Delicate

**AE-6200N** Straight with lock

Ideal for 7-0 to 9-0 sutures



## Castroviejo

Needle Holder

**AE-6201** Straight without lock

**AE-6212** Straight with lock

**AE-6210** Curved with lock

**AE-6211** Curved without lock

Delicate jaws; Ideal for 7-0 to 9-0 sutures



## Castroviejo

Needle Holder

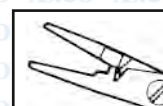
**AE-6220** Straight with lock

**AE-6230** Curved with lock

Standard jaws; Ideal for 4-0 to 7-0 sutures



All are available with suture cutters, except titanium models.  
when ordering with a cutter, please add "SNSC" to the catalog number.





## Anis

Needle Holder, Curved, Extra Delicate

**AE-6240**

Features extra delicate jaws with curved tips for easy suturing, especially in corneal procedures



## Kalt

Needle Holder

**AE-6300**

Straight, lightly serrated jaws; Ideal for 5-0 to 6-0 sutures



## McIntyre

Fish Hook Needle Holder

**AE-6400** Straight with lock

Delicate jaws; Ideal for 8-0 to 11-0 sutures



## ICMS®

ICMS-Intraocular Complication Management System - is the registered trademark of ASICO LLC

Needle Holder

**AE-6902** 21 gauge, straight

Specially treated tungsten carbide jaws create a secure hold on the needle allowing for an easy intraocular suturing procedure



## ICMS®

ICMS-Intraocular Complication Management System - is the registered trademark of ASICO LLC

Needle Holder \*

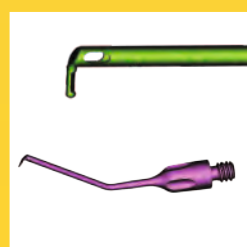
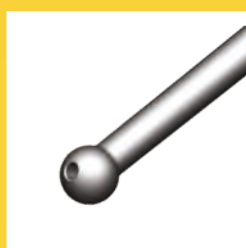
**AE-6903** 21 gauge, curved

Specially treated tungsten carbide jaws create a secure hold on the needle allowing for an easy intraocular suturing procedure

\* Handle color may vary



# AE-7000 Series



**INNOVATIONS**  
for Better Outcomes®





# ASICO® AE-7000 Series



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All irrigating and aspirating cannulas have irrigation on the tubing hubs and aspiration on the needle hubs (except AE-7330).

## Gauge Conversion Chart

Gauge	ID* (inch)	ID* (mm)	OD** (inch)	OD** (mm)
19G	0.028	0.70	0.043	1.10
20G	0.024	0.60	0.036	0.90
21G	0.020	0.51	0.032	0.80
22G	0.016	0.41	0.028	0.70
23G	0.013	0.33	0.025	0.60
24G	0.012	0.30	0.022	0.55
25G	0.010	0.25	0.020	0.50
26G	0.010	0.25	0.018	0.45
27G	0.008	0.20	0.016	0.40
28G	0.007	0.18	0.014	0.36
29G	0.007	0.18	0.013	0.33
30G	0.006	0.15	0.012	0.30

\*Inner diameter

\*\*Outer diameter

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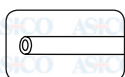
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## Air Injection (Rycroft)

Cannula  
**AE-7000** 30 gauge  
**AE-7001** 27 gauge



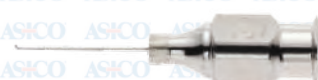
## Ahn

DMEK Cannula  
**AE-7002** 23 gauge  
**AE-7004** 27 gauge  
 Used to inject air



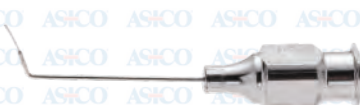
## John

DMEK Cannula  
**AE-7003** 30 gauge



## Kobayashi

DMEK Cannula  
**AE-7005** Curved, 24-30 gauge  
**AE-7006** Curved, 25-33 gauge



## Akahoshi

Conjunctiva Irrigator  
**AE-7009**  
 Flushes the conjunctiva to reduce  
 endo-ophthalmitis  
**AE-7009C** Complete closed loop  
 version



## Lacrimonal

Cannula  
**AE-7010** 23 gauge  
 Straight, 12 mm malleable tip  
**AE-7011** 23 gauge  
 Curved, 15 mm malleable tip



## McIntyre

Lacrimonal Cannula  
**AE-7020** 23 gauge, straight  
**AE-7021** 23 gauge, curved



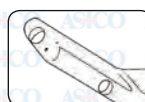
## Randolph

Cyclodialysis Cannula  
**AE-7040** 21 gauge  
**AE-7041** 19 gauge  
 Spatulated tip; Front opening



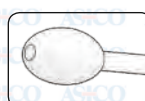
## Sheets

Cyclodialysis Cannula  
**AE-7050** 19 gauge  
 Spatulated tip; One front and two  
 side openings



## Troutman

Alpha-Chymo Cannula  
**AE-7060** 25 gauge







## Atkinson

Retrobulbar Needle  
**AE-7070** 23 gauge  
**AE-7071** 25 gauge  
 Beveled tip



## Kelman

Double Blade Cystotome  
**AE-7102** 22 gauge  
 For triangular or Christmas tree style capsulotomy



## Buratto

Subtenon Needle  
**AE-7076** 14 gauge  
 Tapers to 19 gauge; For injection of anesthesia under conjunctiva



## Kratz

Cystotome  
**AE-7115** 22 gauge, angled  
 With sharp point and cutting edge



## Kelman

Irrigating Cystotome  
**AE-7100** 22 gauge  
 Sharp on all sides



## Lieppman

Micro Cystotome  
**AE-7120** 22 gauge  
 Small and sharp cutting tip



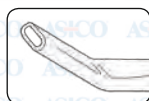
## Kelman

Cystotome Cannula  
**AE-7101** 22 gauge  
 Blunt on all sides; Sharp at the tip



## Double Edge

Cystotome  
**AE-7131** 22 gauge  
 With a sharp point and beveled cutting edge on all sides



## Fry

Irrigating Cannula  
**AE-7190** 18 gauge



## Bishop-Harmon

Silicone Bulb & Adaptor

**AE-7195** Complete set

**AE-7196** Bulb only

**AE-7197** Adaptor only



## Gimbel

Irrigating Cannula

**AE-7207** 26 gauge

Blunt tip, angled to side end opening



## Knolle

Anterior Chamber Cannula

**AE-7210** 30 gauge

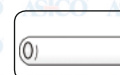
**AE-7211** 23 gauge, irrigating



## Bishop-Harmon

Irrigating Cannula

**AE-7200** 19 gauge



## McIntyre

Anterior Chamber Cannula

**AE-7218** 25 gauge, angled

**AE-7220** 23 gauge, straight

**AE-7222** 23 gauge, angled

**AE-7224** 26 gauge, straight

**AE-7226** 26 gauge, angled

**AE-7228** 30 gauge, straight

**AE-7230** 30 gauge, angled



## Binkhorst

Irrigating Cannula

**AE-7201** 25 gauge, straight

**AE-7202** 25 gauge, right



## Binkhorst

Irrigating Cannula

**AE-7204** 22 gauge, straight

**AE-7205** 22 gauge, right

**AE-7206** 22 gauge, left

Smooth, blunt tip; Front opening; Irrigation or aspiration in 12 o'clock position



## McIntyre-Binkhorst

Irrigating Cannula

**AE-7231** 26 gauge, right

**AE-7232** 26 gauge, left

Smooth, blunt tip; Front opening for irrigation or aspiration in 12 o'clock position







## Shephard

Air Injection Cannula

**AE-7250** 30 gauge, angled

**AE-7251** 27 gauge, angled

Flat tip for irrigating corneal incisions



## Dishler

LASIK Irrigation Cannula, 30 Gauge

**AE-7278** 9.0 mm for superior flap

**AE-7279** 7.0 mm for nasal flap

Curved to follow the natural curvature of the cornea; Blunt tip prevents snagging stromal tissue; Effective for repositioning the flap and removing any excess fluid out of the interface



## Viscoelastic

Aspirating Cannula

**AE-7270** 22 gauge

**AE-7271** 19 gauge



## Manche

LASIK Irrigation Cannula

**AE-7281** 24 gauge

**AE-7287** 25 gauge

Three irrigation ports; One port on each side of the cannula and one port facing down; Solid spatulated tip to facilitate insertion under the primary flap without disruption of the epithelium; Convex shape to conform with the curvature of the cornea and can be used to elevate and replace the flap



## Akahoshi



Visco-ICG Cannula

**AE-7272** 25 gauge

Designed to apply a small amount of Visco-ICG solution effectively on the capsular surface to paint the capsule



## Slade

LASIK Irrigation Cannula

**AE-7282** 26 gauge

**AE-7283** 27 gauge

One irrigation port; Front opening; Spatulated tip for easy entry beneath the flap; Cross section permits sideways entry into the flap without dragging the epithelium into the interface



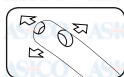
## Rubenstein

LASIK Irrigation Cannula

**AE-7277** 23 gauge

Loop design and curved shape allow for better ability to clean the interface and stroke the flap into position in primary and retreatments



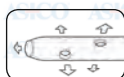


## Buratto

LASIK Irrigation Cannula

**AE-7284** 25 gauge

Three irrigation ports; Easy entry under the flap; Cross section permits sideways entry into the flap without dragging the epithelium into the interface

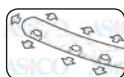


## Kritzinger Updegraff (KU)

LASIK Aspiration Cannula

**AE-7286** 19 gauge

Five aspiration ports; Aspirates excessive fluids; Numerous ports prevent the needle from being occluded by conjunctiva and ensure continuous aspiration of BSS fluid



## Güell

LASIK Irrigation Cannula

**AE-7288** 25 gauge

Seven irrigation ports; Designed for cleaning the interface while occupying a minimum amount of space under the flap



## Alió

LASIK Irrigation Cannula

**AE-7289** 23 gauge

Three irrigation ports



## Doane-Slade

LASIK Irrigation Cannula

**AE-7290L** 26 gauge, left eye

**AE-7290R** 26 gauge, right eye

One irrigation port; For superior flap in LASIK



## Vidaurri

LASIK Cannula

**AE-7293** 25 gauge

Unique cannula simultaneously irrigates anterior and posterior sides of the flap



## Vidaurri

LASIK Dryer Cannula

**AE-7295**

Facilitates drying of the cornea for accommodation of the flap



## Vidaurri-Nagahara

LASIK Cannula

**AE-7296** 25 gauge

Unique cannula simultaneously irrigates anterior and posterior sides of the flap







### Gills

Irrigating-Aspirating Cannula

**AE-7300**

23 gauge thin wall irrigation; 25 gauge aspiration; Both ports exit forward; Supplied with silicone tubing



### Morrison

Irrigating-Aspirating Cannula

**AE-7320**

25 gauge thin wall irrigating with 0.30 mm side opening; 23 gauge aspirating cannula with 0.50 mm front opening; Supplied with silicone tubing



### Grandon

Irrigating-Aspirating Cannula

**AE-7310** Right, 23 gauge

**AE-7311** Left, 23 gauge

Irrigating port to the side; Aspirating cannula curved to the side with port facing up; Both ports are 0.30 mm; Designed for aspirating under the iris; Supplied with silicone tubing



### Simcoe

Irrigating-Aspirating Cannula

**AE-7330**

**AE-7330S** Sandblasted

With sandblasted tip for polishing capsule; 23 gauge irrigation with angled front opening; 25 gauge aspiration with 0.30 mm port; Irrigation on the needle hub and aspiration on the tubing hub; Supplied with silicone tubing



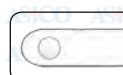
### Simcoe (Reverse)

Irrigating-Aspirating Cannula

**AE-7330R**

**AE-7330RS** Sandblasted

With sandblasted tip for polishing posterior capsule; 23 gauge irrigation with angled front opening; 23 gauge aspirating cannula with 0.30 mm port; Irrigation on the tubing hub and aspiration on the needle hub; Supplied with silicone tubing



### McIntyre

Inner Cannula, 23 Gauge

**AE-7370** 0.2 mm sideport

**AE-7371** 0.3 mm sideport



## ASICO

Irrigating-Aspirating Handpiece

**AE-7380**

For use with irrigation-aspiration cannulas



## McIntyre

Infusion Handle

**AE-7385**

Autoclavable plastic



## ASICO

Male/Female Handpiece

**AE-7386**

Autoclavable plastic



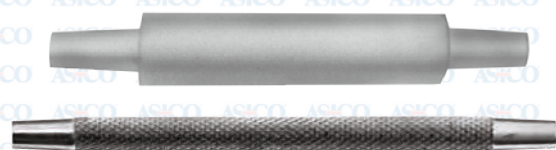
## ASICO

Double Male Adaptor

**AE-7389 Teflon™**

Teflon is a registered trademark of Chemours

**AE-7390 Stainless steel**

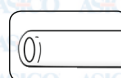


## Anis

Cortex Aspirating Cannula

**AE-7403** 23 gauge, angled

Without sandblasted tip



## Gills

Cortex Extractor

**AE-7407** Angle to tip 7 mm

**AE-7408** Angle to tip 8 mm

**AE-7410** Angle to tip 10 mm

25 gauge; Front opening



## Simcoe

Cortex Extractor

**AE-7430** 23 gauge, 13 mm

**AE-7431** 23 gauge, 21 mm







### Welsh

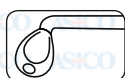
Flat Olive Tip Cannula

**AE-7441** 25 gauge, left

**AE-7442** 25 gauge, right



**AE-7443** 25 gauge,  
angled forward



### Reshmi-Gills

Flat Olive Tip Cannula

**AE-7447** 23 gauge, right

For irrigation or aspiration



### Drews

Posterior Capsule Polisher

**AE-7500** 25 gauge

Irrigating port facing in; Sandblasted posterior surface; Smooth anterior surface; Allows for excellent visibility during polishing

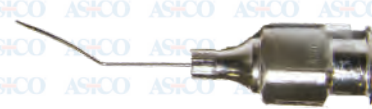


### Perone

Femto Phaco Spatula/Cannula

**AE-7503** 27 gauge

Curved to a more pronounced convexity to be inside the anterior chamber in femto phaco procedures



### Akahoshi

Visco-Dissection Cannula

**AE-7506** 27 gauge

Sandblasted tip; Used to inject visco between prechopped nucleus fragments to achieve complete separation from the posterior capsule



### Jensen

Posterior Capsule Polisher

**AE-7523** 23 gauge

**AE-7525** 25 gauge

Sandblasted tip; Front opening; Gently curved





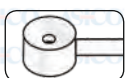
## Kratz

Capsule Scratcher  
AE-7530S 23 gauge



## Kraff

Posterior Capsule Polishing Curette  
AE-7532 25 gauge  
Semi-sharp edge for effective  
polishing of posterior capsule;  
Irrigating port in the center



## Modi

Capsule Polisher  
AE-7534 27 gauge

Designed to safely polish the  
capsule



## Simcoe

Posterior Capsule Polisher  
AE-7535 23 gauge  
With reverse aperture



## Akahoshi

Posterior Capsule Polisher  
AE-7536 27 gauge  
AE-7537 27 gauge with two holes  
AE-7538 27 gauge with three holes  
Gently removes the fine cortical  
fibers firmly attached on the posterior  
capsule without stressing the ciliary  
zonule



## Anis

Scrubber  
AE-7540

Roughened, ball-shaped tip for  
capsular fornix

AE-7541

Roughened, disc-shaped tip for  
capsule; Gently curved, flexible shank



## Drews-Knolle

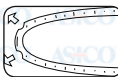
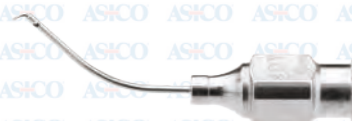
Irrigating Vectis  
AE-7600 23 gauge

Thin wall; One outer port and two inner  
ports



## Nagahara

Karate Irrigating Chopper Cannula  
AE-7612  
Two ports



## Hoffman

Irrigating Vectis  
AE-7615 16 gauge

45 mm overall length with 25 gauge  
thin wall; Serrated loop







## Knolle-Pearce

Irrigating Vectis

**AE-7620** 23 gauge

Thin wall; Three outer ports at 10, 12, and 2 o'clock



## Buratto

Hydrodissection Cannula

**AE-7621** 25 gauge

Bent tip goes under the rhexis to reach the nucleus equator allowing fluid injection in the right position for the best separation of the nucleus from the capsule; Bent end helps rotate the nucleus after hydrodissection to check nuclear mobility inside the bag



## Nagahara

Hydrodissection Cannula II

**AE-7622A** 27 gauge

Cannula features a flat and angled tip for easy access under the anterior capsule flap



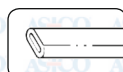
## Lewicky

Hydrodissection Cannula

**AE-7624** 27 gauge, right

**AE-7625** 27 gauge, left

Designed for hydrodissection and 12 o'clock cortex removal; Posterior angle of the tip along with added length ensure flush and cleavage of the cortex from the capsule where it is needed most



## Nucleus

Hydrodissection Cannula

**AE-7626** 27 gauge, angled

**AE-7629** 25 gauge, angled

Flat tip for effective hydrodissection

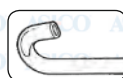


## Kellan

Hydrodissection Cannula

**AE-7627** 25 gauge, curved

Vertical, flattened tip



## J-Shaped

Hydrodissection Cannula

**AE-7628** 25 gauge

Flat tip for superior pole hydrodissection



## Kellan

Hydrodelineation Cannula

**AE-7630** 25 gauge

Curved bevel tip; Sharp on top and smooth on bottom; For effective hydrodissection and protection of the posterior capsule





## Okai-Yoshitomi

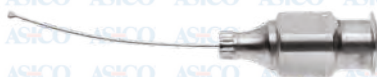


Hydrodissection Cannula

**AE-7631** Straight, 27 gauge

**AE-7634** 45 degree, 27 gauge

Makes a precise and exact penetration between the capsule and epi-nucleus due to the unique shape of the tip without penetrating the nucleus



## Chang



Hydrodissection Cannula

**AE-7638** 27 gauge

90° bent tip with open front port



## Akahoshi



Hydrodissection Cannula

**AE-7635** 27 gauge

Unique tip design can be easily inserted beneath the capsulorhexis edge



## Inamura



Hydrodissection Cannula

**AE-7642** 22 gauge

Sandblasted tip increases control in the presence of viscoelastic, especially in cases where the nucleus is rotated inside the capsular bag



## Akahoshi

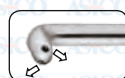
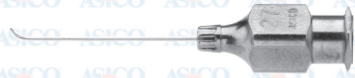


Hydrodissection Cannula II

**AE-7636** Bevel tip, 27 gauge

Beveled tip can be easily inserted beneath the capsulorhexis edge; Tapered design easily increases the intraocular pressure for sealing the wound

**AE-7636S** Sandblasted



## Miyoshi



Ultimate Hydrodissection Cannula

**AE-7643** 23 gauge

120 degree angled flow allows complete hydrodissection in both the anterior and posterior capsule simultaneously; Sandblasted tip increases control in the presence of viscoelastic, especially in cases where the nucleus is rotated inside the capsular bag



## Inamura



Hydrodissection Cannula

**AE-7637** 23 gauge

**AE-7639** 25 gauge







## Oki-Yoshitomi

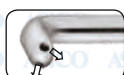
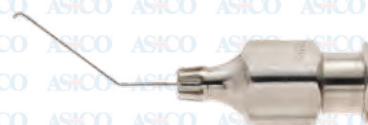


Hydrodissection Cannula  
**AE-7648** 23 gauge, 45 degree  
 Makes a precise and exact penetration between the capsule and epi-nucleus due to the unique shape of the tip



## Youens

Irrigating Lens Manipulator  
**AE-7735** 30 gauge  
 Angled; Front opening, 0.30 mm diameter



## Miyoshi

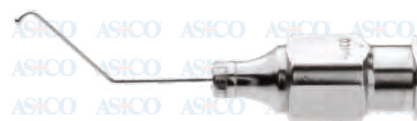


Ultimate Hydrodissection Cannula  
**AE-7649** 22 gauge, 30 degree



## Akahoshi

Multi-use Manipulator Cannula  
**AE-7736**



## Inamura II



Hydrodissection Cannula  
**AE-7652** 22 gauge, 30 degree  
**AE-7653** 25 gauge, 30 degree



## Heslin

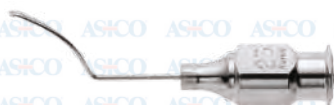
Infusion Cannula  
**AE-7800** 25 gauge  
**AE-7801** 23 gauge  
 Anterior chamber maintainer



## Slade



Femtosecond Cannula  
**AE-7654** 23 gauge  
 Helps release gas bubbles trapped beneath the nucleus during emulsification



**Kobayashi**

CORNEA



Chamber Maintainer

**AE-7802** 25 gauge

Designed for DSAEK but can be used for various procedures to maintain the AC; Cannula surface is sandblasted to be more secure



**Tan**

CORNEA



DALK Cannula

**AE-7803** 27 gauge

Used to create an ideal big bubble



**Kobayashi**

CORNEA



DSAEK Donor Adjuster

**AE-7804** 30 gauge

Designed to fixate donor button in place while injecting air bubble



**Kobayashi**

CORNEA



DSAEK Donor Adjuster

**AE-7806** Curved, 30 gauge



**John**

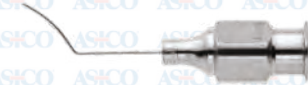
CORNEA



DALK Cannula

**AE-7822** 27 gauge

Helps create a big bubble within the recipient cornea and perform air dissection of the corneal stroma



**John**

CORNEA



ALK Probe

**AE-7823** 30 gauge

Helps create an intra-corneal tunnel within the recipient corneal stroma



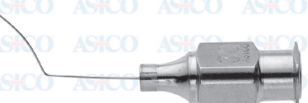
**John**

CORNEA



ALK Cannula

**AE-7824** 27 gauge, 3 ports



**Sarnicola**

CORNEA



DMEK Cannula, 27 Gauge

**AE-7825** Left port

**AE-7826** Right port





## Sarnicola

CORNEA



VR by ASICO

Big Bubble Cannula

AE-7821 27 gauge



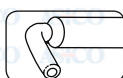
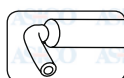
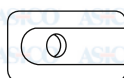
## Sarnicola

CORNEA



DMEK Cannula, 27 Gauge

AE-7827 Port up



Back Flush Needle

AE-7900 19 gauge, blunt (not shown)

AE-7901 20 gauge, blunt

AE-7903 20 gauge tapered to 25 gauge

AE-7905 20 gauge with 25 gauge tip, subretinal

Fluid drainage needle designed to be used with back flush handle

(AE-7930 and AE-7931)

## Packo

VR by ASICO

Back Flush Handle

AE-7930 Manual with control hole

AE-7930S Silicone tubing 5/package

AE-7931 For use with vitrectomy console



## Scleral Plugs

VR by ASICO

AE-7950 18 gauge, black

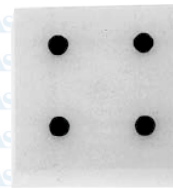
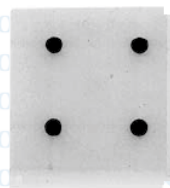
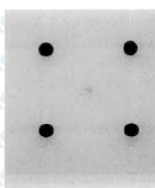
AE-7951 19 gauge, red

AE-7952 20 gauge, gold 4/package

AE-7953

Set of 12 plugs, 4 each of

18, 19 and 20 gauge





# CANNULAS

• CÁNULA • CANULE • CANNULAS • KANÜLE • カニューレ

## Infusion



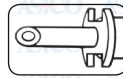
Cannula

**AE-7960** 2.5 mm

**AE-7961** 4.0 mm

**AE-7962** 6.0 mm

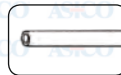
Infuses through the pars plana for retinal surgery



## Weiss

Single Port Micro Transfer Cannula

**AE-7970** Straight, 20 gauge



## Weiss

Lipostructure Cannula

**AE-7976** 18 gauge, 60 mm

**AE-7977** 18 gauge, 80 mm



## ASICO



Cleaning I/A Handle

**AE7-0029**

For TASS Management; I/A handle's complete cleaning capability helps avoid possible contamination; Compatible with all threaded I/A tips, sleeves, and phaco machines



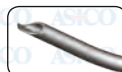


## Bimanual

Irrigating Handpiece

**AE7-0110** 22 gauge

Laser-welded tip provides better durability during sterilization;  
Ergonomic handle for comfort;  
Spatulated tip allows easy access;  
Front opening allows maximum flow for better AC maintenance



## Bimanual

Aspirating Handpiece

**AE7-0120** 22 gauge

Laser-welded tip provides better durability during sterilization; Curved with a capsule polisher; Ergonomic handle for comfort; 0.3 mm port



## Vasavada

Micro Irrigation Handpiece

**AE7-0201** Curved, 21 gauge

Designed with bullet-shaped front end;  
Dual oval port, 0.8 mm x 0.3 mm



## Vasavada

Micro Aspiration Handpiece

**AE7-0202** Curved, 21 gauge

Designed with bullet-shaped front end;  
Single round port, 0.3 mm





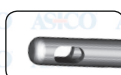
## Bimanual

Micro Irrigating Handpiece

**AE7-0207** Straight, 23 gauge

**AE7-0208** Curved, 23 gauge

Laser-welded tip provides better durability during sterilization;  
Ergonomic handle for comfort; Dual oval ports, 0.3 mm x 0.4 mm



## Kusaka

Aspirating Handle

**AE7-0216** 23 gauge

Oval-shaped aspiration port facilitates the removal of lens epithelial cells to reduce the risk of posterior capsule opacity or Elschnig pearls

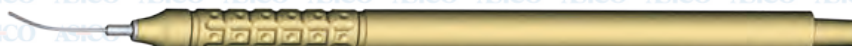


## Bimanual

Micro Aspirating Handpiece

**AE7-0217** 23 gauge

Dual oval ports, 0.3 mm; Laser-welded tip provides better durability during repeated sterilization cycles;  
Ergonomic handle for comfort



## Bimanual

Micro Aspirating Handpiece

**AE7-0218** 23 gauge

Curved with capsule polisher;  
Dual oval ports, 0.3 mm; Laser-welded tip provides better durability during repeated sterilization cycles;  
Ergonomic handle for comfort







**DuoMax®**

Irrigating Handpiece

**AE7-3000**

Irrigation handle for interchangeable tips



**DuoMax®**

Aspirating Handpiece

**AE7-3010**

Aspiration handle for interchangeable tips

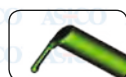


**DuoMax®**

Nagahara Irrigating Chopper Tip

**AE7-3020F** 20 gauge

60 degrees; Front opening



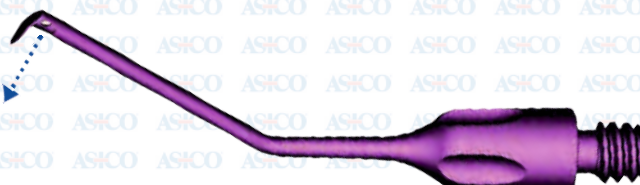
**DuoMax®**

Tsuneoka Irrigating Chopper Tip,  
20 gauge, Side Opening

**AE7-3028**

**AE7-3028FB** Front/back opening

With large, dual oval ports at the distal end for maximum irrigation; Sideport configuration avoids pushing away the nucleus being chopped



**DuoMax®**

Irrigating Tip, 20 gauge

**AE7-3030** Side opening



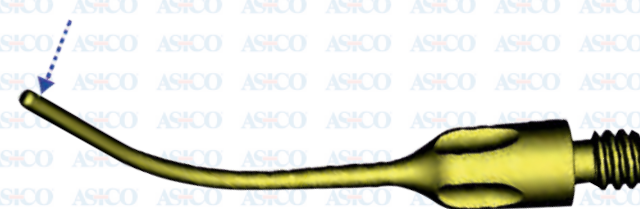
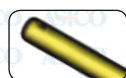
**DuoMax®**

Aspirating Tip

**AE7-3032** 20 gauge

**AE7-3034** 20 gauge with capsule polisher

Aspirating port of 0.3 mm is located at the distal end for effective aspiration of the nucleus



## Akahoshi



### Mini Straight I/A Tip

**AE7-3050** 22 gauge tip design for maximum maneuverability; 0.3x0.2 mm oval port allows for 1.6 mm circumferential opening which results in better occlusion to remove cortical material as compared to circular hole; Patented design

**AE7-3050NS** Without sandblasting



Patented Device  
USP 9,233,195

## Akahoshi



### Mini Bent I/A Tip

**AE7-3051** 22 gauge tip with bent design for maximum maneuverability; 0.3x0.2 mm oval port allows for 1.6 mm circumferential opening which results in better occlusion to remove cortical material as compared to circular hole; Patented design

**AE7-3051NS** Without sandblasting



Patented Device  
USP 9,233,195

## Akahoshi



### Mini Curved I/A Tip

**AE7-3052** 22 gauge tip with S-curved design for maximum maneuverability within a small incision; 0.3x0.2 mm oval port allows for 1.6 mm circumferential opening which results in better occlusion to remove cortical material as compared to circular hole; Patented design

**AE7-3052NS** Without sandblasting



Patented Device  
USP 9,233,195

## Akahoshi



### Straight Ball I/A Tip

**AE7-3060** 22 gauge

Designed to safely and effectively polish the capsular bag; Port drilled at 45 degrees, so that the tip approaches the bag at 90 degrees



Patented Device  
USP 9,233,195

## Akahoshi



### Straight Ball I/A Tip with Sandblasting

**AE7-3060S** 22 gauge

Designed to safely and effectively polish the capsular bag; Port drilled at 45 degrees, so that the tip approaches the bag at 90 degrees



Patented Device  
USP 9,233,195

## Akahoshi



### Bent Ball I/A Tip

**AE7-3061** 22 gauge

Designed to safely and effectively polish the capsular bag; Port drilled at 45 degrees, so that the tip approaches the bag at 90 degrees



Patented Device  
USP 9,233,195







**Akahoshi**

Bent Ball I/A Tip with Sandblasting

**AE7-3061S** 22 gauge

Designed to safely and effectively polish the capsular bag with a sandblasted tip



Patented Device  
USP 9,233,195

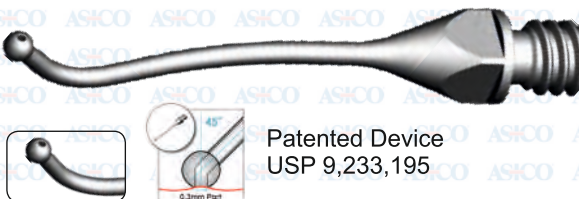


**Akahoshi**

Curved Ball I/A Tip

**AE7-3062** 22 gauge

S-shaped tip allows for easier cortical management



Patented Device  
USP 9,233,195

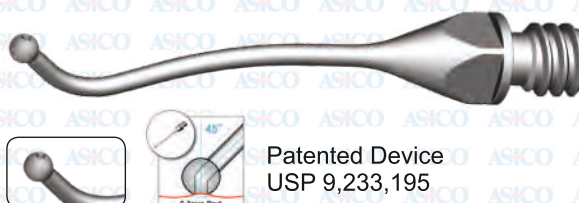


**Akahoshi**

Curved Ball I/A Tip with Sandblasting

**AE7-3062S** 22 gauge

S-shaped tip allows for easier cortical management; Sandblasted tip



Patented Device  
USP 9,233,195



**Akahoshi**

Mini Straight I/A Tip

**AE7-4050** 20 gauge

Straight tip is specially designed to allow for increased maneuverability within a small incision



Patented Device  
USP 9,233,195



**Akahoshi**

Mini Bent I/A Tip

**AE7-4051** 20 gauge

Bent tip is specially designed to allow for increased maneuverability within a small incision



Patented Device  
USP 9,233,195



## (주)성우메디칼

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