Where **QUALITY** meets **INNOVATION** to **OPTIMIZE OUTCOMES** in sub 2.4mm cataract surgery
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ASICO’s Royale III Injector for single hand implantation with the Alcon Monarch™ C, and D cartridge.
Akahoshi 3-Prong Speculum with Square Lock: AE-1025
- 3 prong nasal speculum for easy temporal access with maximum even exposure
- Also available as AE-1026 for narrow lids or deep set eyes

Akahoshi 1-Prong Speculum with Square Lock: AE-1027
- Simple single wire speculum for temporal approach
- Adjustable square lock accommodates various lid sizes
- Also available as AE-1028 for narrow lids or deep set eyes

Akahoshi 2-Prong Speculum with Square Lock: AE-1029
- 2 prong nasal speculum for easy temporal access with maximum even exposure

Akahoshi universal Forceps: AE-4180
- For atraumatic holding and controlling the eye position
- Features a blunt fine tip whose inner surface is finished rough with a diamond dust coating to secure firm grasping
Tip shape allows control of the incision between the size of the base and shoulder. Side cutting edges allow to increase incision size in cases in which the patient has high IOL power (thicker IOL) or need to avoid high IOP in glaucoma.

### AKAHOSHI DIAMOND KNIVES

<table>
<thead>
<tr>
<th>Akahoshi Ultra</th>
<th>Akahoshi Nano</th>
<th>Akahoshi Sideport 45°</th>
<th>Akahoshi Sideport II</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.3mm at base</td>
<td>2.0mm at shoulder</td>
<td>2.0mm at base</td>
<td>1.7mm at shoulder</td>
</tr>
<tr>
<td>2.0mm at shoulder</td>
<td>1.7mm at shoulder</td>
<td>0.6mm at base</td>
<td>45° Stab</td>
</tr>
<tr>
<td>2.0mm at shoulder</td>
<td>1.7mm at shoulder</td>
<td>0.6mm at base</td>
<td>0.6mm at base</td>
</tr>
</tbody>
</table>

### UNICAT 10 FACET DIAMOND KNIFE

**The Swiss Army Knife of Ophthalmology**

**7 adjustable settings up to 6.0mm**
- Single Footplate for Better Visualization
- Side Cutting Edges
- 10 Facet Blade, 1mm Wide at Shoulder
- Flat Tip for Controlled Entry

<table>
<thead>
<tr>
<th>Incision</th>
<th>Blade Length Setting</th>
<th>Bent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Groove</td>
<td>0.25, 0.30, 0.38mm</td>
<td>Vertical</td>
</tr>
<tr>
<td>Paracentesis Incision</td>
<td>6.0mm</td>
<td>Horizontal*</td>
</tr>
<tr>
<td>Entry Into Anterior Chamber</td>
<td>6.0mm</td>
<td>Horizontal*</td>
</tr>
<tr>
<td>Astigmatic Incision</td>
<td>0.50mm, 0.55, 0.60mm</td>
<td>Vertical</td>
</tr>
</tbody>
</table>

*In the horizontal position, foot plate should be above the diamond

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FOR OUR FULL SELECTION OF DIAMOND KNIVES: CHECK OUR WEBSITE, CATALOG, OR CONTACT US
**INCISIONAL INSTRUMENTS**
Single Use Blades

**ADVANCUT™ SHARPNESS**

Clear Corneal Sharpness Squared

Advancut™ Sharpness
27% sharper than BD
45% sharper than Alcon

*Testing at ASICO laboratory

**WHY SQUARE?**
The unique geometry of the bevels, on the edge of the blade, help to create the perfect square incision for self sealing and to prevent wound leakage

---

**Clear Corneal Blade - Double Bevel**

<table>
<thead>
<tr>
<th>Size</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2mm</td>
<td>AS-8313</td>
</tr>
<tr>
<td>2.4mm</td>
<td>AS-8315</td>
</tr>
<tr>
<td>2.5mm</td>
<td>AS-8316</td>
</tr>
<tr>
<td>2.65mm</td>
<td>AS-8318</td>
</tr>
<tr>
<td>2.75mm</td>
<td>AS-8320</td>
</tr>
<tr>
<td>2.8mm</td>
<td>AS-8321</td>
</tr>
<tr>
<td>3.0mm</td>
<td>AS-8324</td>
</tr>
</tbody>
</table>

**Sideport**

1.7mm Stab 15°

15°

**Sideport 1.0mm**

AS-8421

w=1.0mm

angle 45°
CAPSULORHESIS INSTRUMENTS

Capsulorhexis Forceps

ASICO’S UTRATA STYLE CAPSULORHESIS FORCEP SELECTION

Designed to provide a proper sized Capsulorhexis without increasing your incision size

6 Laser Lines on the Jaws serve as a guide to Capsulorhexis

Tongue and groove mechanism prevents jaw overlap

Vaulted Tip Also Available

Scan here To see the video of MICS System by ASICO for Advanced Phaco Machine

AVAILABLE UTRATA-STYLE MODELS:

YOUR INCISION SIZE FOR YOUR PROCEDURE

2.8mm+

Your Style | Round Handle
---|---
Straight Jaws | AE-4394SL
Vaulted Jaws | AE-4395SL

2.2mm+

Your Style | Round Handle
---|---
Straight Jaws | AE-4503RH
Vaulted Jaws | AE-4504RH
Straight Jaws | AE-4347R

2.0mm+

Your Style | Flat Handle | Round Handle
---|---|---
Straight Jaws | AE-4344L | AE-4344R
Vaulted Jaws | AE-4344V | AE-4344VR

1.8mm+

Your Style | Flat Handle with no laser lines | Round Handle
---|---|---
Straight Jaws | AE-4347NL | AE-4347R
Straight Jaws | AE-4347LS (Jaws only open to 5.5mm that allows surgeons to mark a ideal size of ccc)

1.8mm+

Your Style | Flat Handle with Laser Lines
---|---
Straight Jaws | AE-4347
AKAHOSHI CROSS ACTION CAPSULORHEXIS FORCEPS:

- Works within a 2.2mm incision
- Cross action sits closed until handle is squeezed
- Sharp tips act as cystotome

FUJITA-INAMURA CAPSULORHEXIS FORCEPS:

- Good visibility with delicate finish of the arm, good grip tissue.
- Fits through 2.4mm incision.
- Sharp tips can easily make CCC penetration
- Improved hinge joint for better durability
- Fenestrated handle to reduce weight of the instrument

ASICO DOUBLE ENDED CCC MARKER:

- 5mm diameter on one side; 5.5mm opposite

HATA DOUBLE ENDED CCC MARKER:

- 5.6mm diameter on one side; 5.75mm opposite
## Capsulorhexis Instruments

**Capsulorhexis Forceps**

**Asico’s Micro Incision Capsulorhexis Forceps Selection**

### Ikeda Micro Capsulorhexis Forceps:
- **Ikeda Micro Capsulorhexis Forceps:**
  - AE-4385 - 90° Angled Tips
  - Short Handle Version Also Available (AE-4385S)

### Kawai Micro Capsulorhexis Forceps:
- **Kawai Micro Capsulorhexis Forceps:**
  - AE-4388 - 45° Angled Tips with recessed jaws
  - 25G Version Also Available (AE-4404)

### Fine Ikeda Micro Capsulorhexis Forceps:
- **Fine Ikeda Micro Capsulorhexis Forceps:**
  - AE-4389S - 45° Angled Tips

### Ikeda-Nozomi Micro Capsulorhexis Forceps:
- **Ikeda-Nozomi Micro Capsulorhexis Forceps:**
  - AE-4402 - 45° Angled Tips
  - Short Handle Version Also Available (AE-4402S)

---

**Sandblast for better grip in the presence of Viscoelastic**

**WHY MICRO INCISION CCC?**
- 23G FITS WITHIN 0.6MM INCISION!
- Jaws Open and Close within the anterior chamber to **REDUCE VISCOELASTIC** loss and to maintain the anterior chamber

**23G Micro Capsulorhexis Forceps:**
- Keeping the Incision Size Small

**Designed by Dr. Koichiro Ikeda**
- Tokyo, Japan
HYDRODISSECTION INSTRUMENTS

Hydrodissection Cannulas

DUAL PORT HYDRODISSECTION CANNULAS

The only hydrodissection cannulas on the market that can perform a complete hydrodissection in one pass!

The Result: NO INCISION STRETCHING!

AE-7642
INAMURA 22G CANNULA 45 DEGREE
*Also available in 25G, 30° Flow: AE-7653

AE-7643
MIYOSHI 23G CANNULA 120 DEGREE
*Also available in 25G: AE-7649

Chang Hydrodissection Cannula 27G:
AE-7638
• 90° bend at tip facilitates placement beneath sub-incisional Capsulorrhexis edge to preferentially loosen the subincisional cortex.

*Also available in single use version: AS-7638

Akahoshi Hydrodissection Cannula 27G:
AE-7636
• Tapered tip can easily be inserted beneath capsulorrhexis edge
• Tapered design increases intraocular pressure easily to seal the incision

*Also available in single use version: AS-7636
The History of Phaco: Dr. Nagahara’s Concept Becomes the World’s First Phaco Chopper

**Nagahara Chopper:** AE-2515 (90°), AE-2517 (60°), AE-2517L (60°, Left-hand)
- 60° sharp edge cuts in the same direction as the phaco handpiece
- 90° sharp edge cuts toward the side port

**Miyoshi Chopper:** AE-2532
- Smooth, rounded tip and shorter 1.25mm cutting edge
(Also available in shorter tip version AE-2532S)

**Nagahara-Ahn Small Pupil Chopper:** AE-2544
- Modified Nagahara Chopper with shorter, 1.25mm inner cutting-edge for small pupils or floppy iris syndrome
- Notch on the blunt side used to retract pupil

**Crandall Chopper:** AE-2579
- Tip is angled at 130 degrees allowing better visibility during phacoemulsification

**Rosen Phacosplitter:** AE-2578
- Wedge shaped inferior edge with blunt tip

**Minami M Hook:** AE-2523
- Chopper, splitter, dissector, pupil or floppy iris syndrome
- Tip used for dividing and manipulating nucleus material from all directions in the capsule

**Koch-Minami Chopper:** AE-2528
- Smooth, rounded tip will not damage posterior capsule
- Most versatile instrument acts as a divider, dissector, manipulator, and protector

**Inamura Race Chopper:** AE-2534
- Angled tip used to elevate the nucleus away from the posterior capsule toward the phaco tip

**Asami Chopper:** AE-2575
- Features 1.5mm tip
(Also available in shorter tip version AE-2577)

**Crandall-Nagahara Chopper:** AE-2576
- 60 degree inside cutting edge
- Unique 110 degree angled tip that allows better visibility during phacoemulsification

**Miyoshi Chopper:** AE-2532
- Smooth, rounded tip and shorter 1.25mm cutting edge

**Rosen Phacosplitter:** AE-2578
- Wedge shaped inferior edge with blunt tip

**Nagy Femto Chopper:** AE-2559
- Nagy chopper allows to crack the nucleus along the fragmentation lines created by laser
CHOPPING INSTRUMENTS
Phaco Choppers

VERTICAL CHOPPERS

Nagahara Karate Chopper: AE-2529
- Spear tip with internal cutting edge easily cracks and divides the nucleus into quadrants prior to phacoemulsification

Lane Quick Chopper: AE-2537
- Broad “AXE” tip easily chops both hard and soft nuclei in a controlled manner

Nagahara Tomahawk Chopper: AE-2533
- Broad tip facilitates efficient chopping prior to and during phacoemulsification

Fonseka Chopper: AE-2572
- Works as both a vertical and horizontal chopper and the notch at the front of the chopper can be used to retract small pupils

DOUBLE-ENDED CHOPPERS

Lieberman Microfinger: AE-2518
- “Microfinger” stabilizes, positions, retracts, and lifts the entire lens away from the posterior capsule
- Iris spatula can be used to manipulate throughout surgery

Friedman Chopper & Koch Spatula: AE-2524
- Double-cutting surface on chopper for efficient chopping
- Koch spatula pushes, lifts, rotates, and dissects

Chang Combo Chopper: AE-2573
- Sharp vertical tip ideal for incising brunescent nuclei
- Modified “Microfinger” for chopping

Lubeck Chopper & Sustainer: AE-2546
- 60° Nagahara on one end to chop towards phaco handpiece
- Koch spatula pushes, lifts, rotates, and dissects

Aguilar Chopper: AE-2571
- Can be used for soft and hard nucleus

Espiritu-Caparas Chopper: AE-2574
- Verges-style horizontal chopper on one end
- 0.8mm spatula on other end
THE WORLD’S FIRST PRE-CHOPPER

'Dr. Akahoshi first introduced the Prechop technique in 1992 and worked with ASICO to perfect his design’

**Akahoshi Combo II Pre-chopper:**

*AE-4190*

- Ideal for soft nuclei grades 1&2
- Fits within a 2.0mm incision
- Sharp tip penetrates nucleus; while blunt edge allows for safe separation near posterior capsule

(Also available in Combo I model: AE-4284)

**Akahoshi Combo III Pre-chopper:**

*AE-4191*

- Ideal for soft to medium nuclei grades 1 to 3
- Fits within a 2.0mm incision

**Akahoshi Universal II Pre-chopper:**

*AE-4192*

- Ideal for medium and hard nuclei grades 3 to 5
- Fits within a 2.0mm incision
- Even a dense cataract can be prechopped safely by providing counter force with a Nucleus Sustainer AE-2530

(Also available in Universal I model: AE-4282)

**SUSTAINERS**

**VERTICAL PRE-CHOPPING TECHNIQUE (USE AE-4190, AE-4191)**

**COUNTER PRE-CHOPPING TECHNIQUE (USE AE-4192, AE-2530 AND AE-2530)**

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Scan here To see the video of MICS System by ASICO for Advanced Phaco Machine
Inamura Soft Nucleus Prechopper:  
*AEM-4189*  
- Ideal for soft nuclei grades 1 & 2  
- 5mm long blade with rounded off tip allows for easy division of the nucleus

Hill Prechopper:  
*AEM-4193*  
- For a nucleus of grade 2-4  
- Sharp tip and razor sharp internal cutting edge allows the surgeon to both penetrate and slice through the nucleus using a downward movement of the tip while simultaneously elevating the handle

Aguilar Prechopper:  
*AEM-4194*  
- Smaller blades for easier entry through a 2.0mm incision size  
- Special beveled blades used for prechopping for the upper surface or lower surface

Akahoshi Hybrid Combo prechopper:  
*AEM-4286*  
- Sharpened angular edge improves insertion into the nucleus and makes nuclear rotation easier  
- Rounded side of the blade can be used safely to attain the complete division

Inamura Eagle Prechopper:  
*AEM-4293*  
- For grades 1-4 nuclei  
- Narrow tip is easy to insert to the denser nucleus  
- Enables division from soft to dense nucleus without the counter force

Inamura Hard Nucleus Prechopper:  
*AEM-4297*  
- Ideal for penetrating into the dense nucleus which was more more than grade 3  
- The tip can also delicately be opened and used for separation
**PHACOEMULSIFICATION INSTRUMENTS**

**Phaco Tip**

**WOBBLE TIP**

*Unique square and eccentric tip design creates maximum phaco efficiency!*

Pending FDA Approval

---

**Square Tip CDE and Aspiration Study on OZiL®**

![Graphs showing comparison between Round Flare Tip, Off-Centered Square Tip, and Round Flare Tip, Off-Centered Square Tip for CDE, ASP Time, and BSS consumption.](image)

Compared with the conventional round phaco tip, the square wobble tip is superior in CDE, aspiration time and BSS consumption.

---

**SQUARE head offers a flat lateral surface to maximize phaco efficiency, while allowing for easier entry into a micro-coaxial incision.**

---

**Traditional vs New Square Tip**

- **Sharp Edge**
- **Smooth Edge**

---

The eccentric tip port creates **WOBBLING MOTION**, as the tip head vibrates around the axis of the tip shaft on the OZiL® hand-piece. Due to the asymmetric weight of the tip head, this **WOBBLING MOTION** can be created also by the conventional longitudinal handpiece. This patented wobbling motion can enhance the efficiency of phacoemulsification not only on the OZiL® but also any conventional phaco machines with any phaco techniques.

---

Special edge treatment removes all sharp edges and provides additional **SAFETY** in case of accidental contact with posterior capsule.
CLEANING I/A HANDPIECE: AE7-0029

Completely disassembles to clean inner lumen and thoroughly remove any potentially toxic residue (e.g.; visco-elastics)

TESTED AND VALIDATED TO REDUCE INSTANCES OF TASS

“ASICO offers the Most Comprehensive Report on TASS Management to Date”

Nick Mamalis, MD

Compatibility
Compatible with all popular I/A tips and phaco consoles

Designed by Dr. Takayuki Akahoshi
Tokyo, Japan

Catalog Number Guide

<table>
<thead>
<tr>
<th>Your Style</th>
<th>Straight</th>
<th>Bent</th>
<th>Curved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skinny I/A Tips</td>
<td>AE7-3050</td>
<td>AE7-3051</td>
<td>AE7-3052</td>
</tr>
<tr>
<td>Ball I/A Tips</td>
<td>AE7-3060</td>
<td>AE7-3061</td>
<td>AE7-3062</td>
</tr>
<tr>
<td>Ball I/A Tips (Sandblasted)</td>
<td>AE7-3060S</td>
<td>AE7-3061S</td>
<td>AE7-3062S</td>
</tr>
</tbody>
</table>

Skinny I/A Benefits:
42% more irrigation flow and no stretch of the incision

Ball I/A Benefits:
Safe and complete vacuum of the posterior capsule

TWICE THE ASPIRATING POWER
0.3mm x 0.2mm oval port allows for maximum aspiration efficiency

Sandblasted tips for capsule polishing

Scan here To see the video of MICS System by ASICO for Advanced Phaco Machine
CORTEX MANAGEMENT
INSTRUMENTS
Bimanual I/A Handpieces
I/A HANDPIECES 22G/23G

22 Gauge

Irrigation:
AE7-0110
• Laser welded tip gives better durability during sterilization
• Ergonomic handle for comfort
• Spatulated tip allows easy access
• Front opening allows maximum flow for better AC maintenance

Aspiration:
AE7-0120
• Laser welded tip gives better durability during sterilization
• Ergonomic handle for comfort
• Curved with sandblasted capsule polisher
• 0.3mm port

23 Gauge

Irrigation:
AE7-0207 (Straight) AE7-0208 (Curved)
• Laser welded tip gives better durability during sterilization
• Ergonomic handle for comfort
• Dual oval ports 0.3mm x 0.4mm

Aspiration:
AE7-0217 (Curved) AE7-0218 (Curved w/Capsule Polisher)
• Laser welded tip gives better durability during sterilization
• Ergonomic handle for comfort
• 0.3mm port
• Sandblasted capsule polisher
Akahoshi Posterior Capsule Polisher, 27G: AE-7536
- Gently remove the fine cortical fibers firmly attached on the posterior capsule without stressing the ciliary zonule
- Also available in 2 ports AE-7537 and three ports AE-7538

Akahoshi Acrylic IOL Loading Forceps: AE-4253N
- Narrow bladed enable easy pick up of the Acrysof single piece and three pieces IOL from the container
- Tip edges are rounded and mirror polished so as to not damage the IOL
LENS IMPLANTATION INSTRUMENTS

Royale III Injector: AE-9036SP

For use with the Monarch™ C, and D Cartridge

VERSATILITY
Synergy

ERGONOMIC
Ease of Use

VISIBILITY
Confident

COUNTER TRACTION
Technique of Miracle

Gold tip provides visibility throughout the cartridge

Single Hand Plunging Mechanism for One Handed Implantation

Fully compatible with the Monarch™ C, and D Cartridge

Single hand plunging mechanism allows “Counter Traction Technique”

Gold tip provides visibility through the cartridge

The counter force to the D cartridge port provided by the Nucleus Sustainer in the sideport incision allows 6.0mm optic IOL implantation through a 1.8mm incision.

Disposable Injectors

Disposable Injectors:
AS-9300-1620: 2.4mm incision
AS-9300-2420: 2.7mm incision

Monarch™ is the Registered Trademarks of Alcon Laboratory and Novartis