Where **QUALITY** meets **INNOVATION** to **OPTIMIZE OUTCOMES** in sub 2.4mm cataract surgery

*Today's Precision...Tomorrow's Vision*

**Micro Coaxial Cataract Surgery**
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[www.asico.com](http://www.asico.com)
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 Ultra**
Diamond Knife: AU-8190
- 2.3mm at base
- 2.0mm at shoulder

**Akahoshi Nano**
Diamond Knife: AU-8192
- 2.0mm at base
- 1.7mm at shoulder

**Akahoshi Sideport 45°**
Diamond Knife: AU-8131
- 0.6mm at base
- 45° Stab

**Akahoshi Sideport II**
Diamond Knife: AU-8104
- 1.0mm at base
- 0.6mm at shoulder

**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
- 1.0mm at shoulder

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

**UNICAT 10 Facet**
Diamond Knife: UN-8133

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

ADVANCUT™ SHARPNESS

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

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

CC 2.2mm
CC 2.4mm
CC 2.5mm
CC 2.65mm
CC 2.75mm
CC 2.8mm
CC 3.0mm

AS-8313
AS-8315
AS-8316
AS-8318
AS-8320
AS-8321
AS-8324

Sideport

1.7mm
15°
AS-8210

Sideport 1.0mm

AS-8421
w=1.0mm

angle 45°

CooperVision

www.asico.com
**CAPSULORRHESIS INSTRUMENTS**

Capsulorrhexis Forceps

**ASICO’S UTRATA STYLE CAPSULORRHESIS FORCEP SELECTION**

*Designed to provide a proper sized Capsulorrhexis without increasing your incision size*

1. **Laser Lines on the Jaws serve as a guide to Capsulorrhexis**
2. **Tongue and groove mechanism prevents jaw overlap**
3. **Harp tip acts as a cystotome to initiate Capsulorrhexis**

**AVAILABLE UTRATA-STYLE MODELS:**

**YOUR INCISION SIZE FOR YOUR PROCEDURE**

- **2.8mm+**
  - **Kraff–Utrata**
    - AE-4394SL
  - **Thick Kraff–Utrata**
    - AE-4503RH
- **2.2mm+**
  - **Thin Kraff–Utrata**
    - AE-4344R
  - **Akahoshi**
    - AE-4344R
- **1.8mm+**
  - **Akahoshi II**
    - AE-4347
- **1.6mm+**

**Your Style** | **Round Handle** | **Flat Handle** | **Round Handle**
--- | --- | --- | ---
Straight Jaws | AE-4394SL | AE-4344L | AE-4344R
Vaulted Jaws | AE-4395SL | AE-4344V | AE-4344VR

Innovation for Better Outcomes
**Capsulorrhexis Forceps**

**Akahoshi Cross Action Capsulorrhexis Forceps:**
AE-4345
- Works within a 2.2mm incision
- Cross action sits closed until handle is squeezed
- Sharp tips act as cystotome

**Fujita Capsulorrhexis Forceps:**
AE-4403
- Works within a 2.2mm incision
- Fenestrated handle reduces overall weight of forceps

**Capsulorrhexis Markers**

*Double Ended Markers Mark Outside of Cornea to Serve as CCC Guide*

**ASICO Double Ended CCC Marker:**
AE-2828
- 5mm diameter on one side; 5.5mm opposite

**Hata Double Ended CCC Marker:**
AE-2829
- 5.6mm diameter on one side; 5.75mm opposite

www.asico.com
**CAPSULORRHESIS INSTRUMENTS**

**Capsulorrhexis Forceps**

ASICO’S MICRO INCISION CAPSULORRHESIS FORCEPS SELECTION

**Ikeda Micro Capsulorrhexis Forceps:**

*AE-4385 - 90° Angled Tips*

- Overall Length: 139mm
- Short Handle Version Also Available (AE-4385S)

**Kawai Micro Capsulorrhexis Forceps:**

*AE-4388 - 45° Angled Tips with recessed jaws*

- Overall Length: 139mm
- 25G Version Also Available (AE-4404)

**Ikeda-Nozomi Micro Capsulorrhexis Forceps:**

*AE-4402 - 45° Angled Tips*

- Overall Length: 140mm
- Short Handle Version Also Available (AE-4402S)

**23G Micro Capsulorrhexis Forceps:**

*Keeping the Incision Size Small*

**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 Capsulorrhexis Forceps:**

*AE-4385S*

**IKEDA MICRO CAPSULORRHESIS 23G FORCEPS**

SS and blasted for better grip in the presence of Viscoelastic

SS harp tip acts as a cystotome to initiate Capsulorrhexis

**Designed by Dr. Koichiro Ikeda**

Tokyo, Japan

**CONTINUOUS CURVILINEAR CAPSULORRHESIS FORCEPS 23G**

**23G Micro Capsulorrhexis Forceps:**

*Keeping the Incision Size Small*

**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 Capsulorrhexis Forceps:

*Keeping the Incision Size Small*

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

The Result: NO INCISION STRETCHING!

AE-7642
INAMURA 23G CANNULA 45 DEGREE
*Also available in 25G, 30° Flow: AE-7653

AE-7643
MIYOSHI 22G 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 manages intraocular pressure and keeps the incision sealed
*Also available in single use version: AS-7636

www.asico.com
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
- AE-2517 is for a right handed surgeon for use in the left hand;
AE-2517L is for a left handed surgeon for use in the right hand

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

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

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

Rosen Phaco Splitter:
AE-2578
- Features blunt tip with wedge tip inferior edge

ASICO PHACO CHOPPER HISTORY
In 1994, Dr. Kunihiro Nagahara had an idea for an instrument to increase the efficiency of the newly developed phacoemulsification procedure.

Unable to explain this radical new concept, he bent a wire hanger in a unique direction to explain what he was looking for, and mailed the hanger over 6,000 miles, from Japan to Westmont, IL, where ASICO LLC received the “prototype”.

ASICO President Ravi Nallakrishnan worked with his engineering team to turn this concept into a reality, creating the world’s first phaco chopper.
Nagahara Karate Chopper:  
AE-2529  
- Designed for nuclei grades 3+  
- Spear tip with internal cutting edge easily cracks and divides the nucleus into quadrants prior to phacoemulsification

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

Lane Quick Chopper:  
AE-2537  
- Broad “AXE” tip easily chops both hard and soft nuclei in a controlled manner  
- Thin sides can act as horizontal chopper after initial penetration

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

Nagahara Chopper & Koch Spatula:  
AE-2520  
- 60° Nagahara on one end to chop towards phaco handpiece  
- Koch spatula pushes, lifts, rotates, and dissects

Lubeck Chopper & Sustainer:  
AE-2546  
- 60° Nagahara on one end to chop towards phaco handpiece  
- Akahoshi sustainer on the other end to rotate and manipulate the lens

Chang Combo Chopper:  
AE-2573  
- Sharp vertical tip ideal for incising birefringent nuclei  
- Modified “Microfinger” for chopping
THE WORLD’S FIRST PRE-CHOPPER

‘Dr. Akahoshi first introduced the Pre-chop 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

Akahoshi Combo III Pre-chopper:

AE-4191

- Ideal for soft to medium nuclei grades 1 to 3
- Fits within a 2.0mm incision
- It can be used like AE-4190 for soft cataract and AE-4192 for medium cataract

Akahoshi Universal 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

Inamura Soft Nucleus Pre-chopper:

AE-4189

- Ideal for soft nuclei grades 1&2
- 5mm long blade with rounded off tip allows for easy division of the nucleus.
PHACOEMULSIFICATION INSTRUMENTS

HARMONYX™ TRANSFORMING LENS REMOVAL

Transforming any machine, any technique, any lens

HARMONYX™ CDE and Aspiration Study on OZiL®

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

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

Traditional vs HARMONYX™

The eccentric tip of HARMONYX™ delivers unequalled lens removal performance with any phaco system. Longitudinal systems are instantly transformed into oscillatory technology, by adding up and down movement that reduces CDE, ASP time, and BSS use. In case of existing oscillatory systems, additional cutting area and enhanced motion provides a substantial performance improvement.

The HARMONYX™ Transformational Technology also has no sharp cutting edges and is polished to ensure a safer procedure.
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

**Catalog Number Guide**

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**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

0.3mm x 0.2mm oval port allows for maximum aspiration efficiency

45° Port allows complete cortical cleaning by rotation, rather than swivel motion resulting less mechanical stress on the incision

The smooth surface of the ball head allows safe and complete capsular vacuum and polishing.

The Curved tip can reach any part of the capsular bag quite easily.

42% more irrigation flow and no stretch of the incision

Designed by Dr. Takayuki Akahoshi
Tokyo, Japan

**TWICE THE ASPIRATING POWER**

TWICE THE ASPIRATING POWER

0.7mm diameter compared to the traditional 1.0mm, allows the maximum irrigation flow which results in maximum cortical cleaning efficiency and a stable and deep anterior chamber

Sandblasted tips for capsule polishing
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
Royale III Injector: AE-9036SP

**Pearl to Perfection**

For use with the Monarch™ B, C, and D Cartridge

- Single Hand Plunging Mechanism for One Handed Implantation
- Gold tip provides visibility throughout the cartridge

**Facilitating Small Incisions Implant Possible For All Surgeons**

- Fully compatible with the Monarch™ B, 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 Alcon Laboratory/NOVARTIS Registered Trademarks

EXCLUSIVE DESIGN