AXsys™ Electronic Marking Device: For Toric IOL Alignment Accuracy, Consistency, and Efficiency

INNOVATIONS for Better Outcomes

AXsys™ Electronic Toric Marking Device

Manual Marking

Bubble Level Marker

Digital Systems

More Information on Page 3

Wobble Tip, the Next Step Forward in Phaco Efficiency

This patented design uses a square tip and eccentric port to create maximum phaco efficiency

Next Generation of Instrumentation for Femtosecond cataract

See page 4

ASICO History: Concept to Reality Creates World’s First Phaco Chopper

See page 2

Latest for Corneal Procedures: DALK, DSAEK and DMEK

See page 5

Single Use Cannulas to Add Value to Your Practice

See page 6
Overcoming Capsulorrhexis Challenges: Maintaining Proper CCC Incision Size

Perfect Incision Size with your Professional 6mm CCC Guide

Akahoshi Capsulorrhexis Series:  
*Utrata – Style for Incision Size as Small as 1.8mm*

- Laser lines on jaws serve as a guide to measure capsulorrhexis size
- Sharp tips initiate capsulorrhexis without cystotome
- Tongue and groove mechanism keeps jaws aligned

### Your Style

<table>
<thead>
<tr>
<th></th>
<th>Flat Handle</th>
<th>Round Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight Jaws</td>
<td>AE-4347</td>
<td>AE-4344R</td>
</tr>
<tr>
<td>Vaulted Jaws</td>
<td>AE-4344V</td>
<td>AE-4344VR</td>
</tr>
</tbody>
</table>

23G Micro Capsulorrhexis Forceps:  
*Keeping the Incision Size Small*

**Shape & Description**

- AE-4385: Ikeda Micro Capsulorrhexis Forceps - 90° Angled Tips  
  - Works within 2mm incision  
  - Ideal for soft nuclei grades 1 & 2  
  - Also ideal for beginner prechoppers  

- AE-4402: Ikeda– Nozomi Micro Capsulorrhexis Forceps - 45° Angled Tips  
  - Works within 2mm incision  
  - Ideal for hard nuclei grades 3 & 4  
  - Used in counter prechopping technique with Akahoshi Sustainer

Prechopping: Reduce Phaco Time by Up to 50%

**Akahoshi Combo II Prechopper:**  
*AE-4190 - Karate Prechop Technique*

- Sharp Tip Penetrates Nucleus
- Flip to penetrate further and complete separation safely near the posterior capsule
- Works within 2mm incision
- Ideal for soft nuclei grades 1 & 2
- Also ideal for beginner prechoppers

**Akahoshi Universal Prechopper:**  
*AE-4192 - Counter Prechop Technique*

- Works within 2mm incision
- Ideal for hard nuclei grades 3 & 4
- Used in counter prechopping technique with Akahoshi Sustainer

The History of Phaco: Dr. Nagahara’s Concept Becomes the World’s First Phaco Chopper

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.

**AE-2517**  
Nagahara Chopper

**AE-2530**  
Akahoshi Ball Sustainer

PC DVD  
DVD Available youtube.com/asicollc
**Wobble Tip: Redefining Phaco Efficiency:**

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

The wobble tip has **NO SHARP** edges enhance the safety and providing optimal efficiency unlike conventional tips.

The eccentric tip port creates **WOBBLING MOTION**, as the tip head vibrates around the axis of the tip shaft on an OZil® handpiece. Due to the asymmetric weight of the tip head, this WOBBLING MOTION can be created by conventional longitudinal phaco machines. This wobbling motion can enhance the efficiency of any longitudinal phaco machine with any setting or technique.

**Square Tip CDE and Aspiration Study in OZil®**

The square tip and CDE study, on the right, shows that this wobble technology is superior to OZil® in all phaco measures. This includes CDE, ASP time and BSS use.

**I/A Tips**

**Skinny I/A Benefits:**

- **42% more irrigation flow and No stretch of the incision**
- **TWICE THE ASPIRATING POWER**
  - 0.3mm x 0.2mm oval port allows for maximum aspiration efficiency

**Ball I/A Benefits:**

- Safe and complete vacuum of the posterior capsule
- 45° Port Allows complete cortical cleaning by rotation, rather than swivel, to keep the incision flat.
- 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.

**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>
</tbody>
</table>

Designed by Dr. Takayuki Akahoshi
Tokyo, Japan

The wobble tip has **NO SHARP** edges enhance the safety and providing optimal efficiency unlike conventional tips.

**Cleaning I/A Handpiece: AE7-0029**

Tested and Validated to Reduce Instances of TASS

**Lens Removal Efficiency for Your Procedure**

**Traditional Concentric Tip**

**Eccentric Tip**
Latest Selection of Instruments for Femtosecond Cataract

Docking Station Speculum

Crozafon Speculum: AE-1034

The bending of the speculum avoids interference with the suction tube of the patient interface, so it eases docking and provides a wide opening of the lids. The self locking mechanism allows quick installation and removal.

Incision Opening

Slade Femtosecond Spatula: AE-2326

The tip is flat to open the main and sideport incisions created by the LenSx®. The tip is not sharp so there is no danger of increasing the wound opening.

Lane Femtosecond Spatula: AE-2331

Spatulated end to opens main Blunt end opens arcuate incisions

Nucleus Spliting

Crozafon Prechopper: AE-4299

Eases completion of the pre chopping done by the femto laser, while releasing the gas, for a much safer hydrodissection. The thickness of the blades is reduced to 230 microns and their reduced profile makes it easier to use on shallow anterior chambers. It can be used with a 2 mm micro incision.

Perone Cannula: AE-7503

Multi Purpose Cannula/Spatula

The flattened triangle shaped tip (function spatula) allows:

- To open both primary and secondary incisions performed with a femtosecond laser.
- Handling, rotating and fragmenting the crystalline lens previously treated with femtosecond laser
- Assisting with the cortical suction maneuvers

The hole (cannula) facilitates injection of an OVD into the anterior chamber; after the insertion of the cannula into the anterior chamber, concentrically on the capsule. This stabilizes the capsular portion, and its movement, thereby reducing the risk of unwanted capsular peripheral tears.

Designed by Dr. Phillipe Crozafon
Nice, France

Designed by Stephen Lane, MD
Stillwater, MN

Designed by Dr. Giuseppe Perone
Saronno, Italy
Latest Innovations for Corneal Procedures: DALK/ DSAEK/ DMEK

DMEK - Descemem Membrane Endothelial Keratoplasty

Tan DMEK Dissector: AE-2336

Designed to facilitate DMEK donor dissection with minimal risk of radial Descemets membrane (DM) tearing.

Double tipped end designed for cutting the peripheral margins of DM circumferentially without radial tears

Curved single tipped end designed for lamellar separation of DM from the stroma

Guell DMEK Forceps: AE-4210

“Many surgeons have difficulty peeling the endothelial layer from the donor button, because it is so thin and easy to tear. With this in mind, Dr. José Güell from Spain designed the Guell DMEK forceps, which offers broad tips to firmly grasp and remove the donor endothelium without tearing. The tips are also highly polished to reduce endothelial damage”

Güell DMEK Forceps in Action

DSAEK - Descement Stripping Automated Endothelial Keratoplasty

Tan DSAEK Forceps: AE-4226

Jaws are specially designed so that only the tips meet, minimizing contact with the stroma, and eliminating contact with the endothelium.

John Dexatome Spatula: AE-2872

Unique multi curved design eases scoring and removal of patient corneal layers. Can also be used for DMEK

Kobayashi-Busin DSAEK Glide: AE-2335

Protects endothelium while inserting into 5mm wound

DALK - Deep Anterior Lamellar Keratoplasty

Tan DALK Set

Tan DALK Cannula: AE-7803

Tan DALK Scissors: AE-5666/5667

Unique safety platform protects from Descemets perforation, and can also be used to press DM to create cutting room

27G, tip is spatulated to tunnel through stroma, while blunt to protect against Descemet perforation

Tan Marginal Dissector: AE-2549

Highly polished, use to separate stroma from Descemets at the periphery

Designed by Dr. Donald Tan, MD & Professor Singapore

Designed by Dr. Akira Kobayashi Ishikawa, Japan

Designed by Dr. Thomas John Chicago, IL

Designed by Dr. Vincenzo Sarnicola Grosseto, Italy

Sarnicola DALK Set

Sarnicola DALK Cannula 27g: AE-7821

Designed so air insufflates from tip to bottom to increase percentage of big bubble formation

Sarnicola DALK Spatula: AE-2900

Creates inter corneal tunnel, smooth tip designed to avoid penetration of DM

Designed by Dr. Donald Tan, MD & Professor Singapore

Designed by Dr. José Güell Barcelona, Spain

Designed by Dr. Akira Kobayashi Ishikawa, Japan

Designed by Dr. Thomas John Chicago, IL

Designed by Dr. Vincenzo Sarnicola Grosseto, Italy
Hydrodissection Cannulas

AS-7627: Disposable Kellan Hydrodissection 25G Cannula, curved
- Vertical flow, flattened tip for efficient hydrodissection.

AS-7629: Disposable Kellan Hydrodissection 25G Cannula, angled
- Horizontal flow, flattened tip for efficient hydrodissection.

AS-7636: Disposable Akahoshi Hydrodissection 27G Cannula
- Beveled tip can be easily inserted beneath the capsulorrhexis edge.
- Tapered design easily assists sealing the wound.
- Most popular design in the product line.

AS-7638: Disposable Chang Hydrodissection 27G Cannula
- Single port at 90 degrees, 1mm tip.
- The right angle facilitates placement beneath the sub-incisional capsulorrhexis edge to preferentially loosen the sub-incisional cortex.

References
3. H. Burkhard Dick, Better Surgical Accuracy: The SMI Surgery Guidance system impores the accuracy of cataract surgery and can enhance outcomes with toric IOLs. Advanced Ocular Care: MAY/JUNE 2012