We Provide Innovation... All Around The Globe

Love it or leave it
If you are not 100% satisfied with a product that you purchase directly from MST, return it within 30 days for a full, no questions asked refund.
Thank you for your interest in our products. In this brochure you’ll find information regarding:

1. The MST Malyugin Ring®
   - 6.25mm Ring
   - 7.0mm Ring
   - Osher/Malyugin Ring Manipulator

2. MST Capsule Retractors™

3. MST Phaco Tips
   - Dewey Radius™
   - No ABS
   - MST/Packard 0.7

4. The MST Forceps System
   - Touch™ Forceps System
   - Seibel Capsulorhexis Forceps with ViewPort™
   - Packer/Chang IOL Cutters™
   - Ahmed MicroSet

5. The MST I/A Systems
   - MST Barrett™ I/A
   - Soft I/A®
   - Intertip I/A
   - Duet® Bimanual
   - Maestro™ I/A Handpiece
There was a time, when expanding pupils meant using time consuming, burdensome, and/or bulky devices.

Times have changed...

The MST Malyugin Ring is low profile, easy to use, fits through a 2.2mm incision, and is provided complete with an ergonomic disposable injector in every package.

The Malyugin Ring pupil expander.

Only from MST.

Reference:
1. David F. Chang, MD, Use of Malyugin pupil expansion device for intraoperative floppy-iris syndrome: Results in 30 consecutive cases. JCRS; 34:835–841 (May 2008)
Provided sterile, 6 per box. (Includes six packages of one each: Malyugin Rings, Ring Holders and Ring Injectors)

Description: | Catalog Number
--- | ---
6.25mm MST Malyugin Ring | MAL-0001
7.0mm MST Malyugin Ring | MAL-0002
Osher/Malyugin Ring Manipulator | MAL-0003

Lay proximal scroll on anterior iris.

With viscoelastic in the Anterior Chamber inject the Ring approximately 2mm forward, then engage the distal iris margin.

Inject while simultaneously retracting the injector. "Toeing" the injector down eases placement of the lateral scrolls.

Lay proximal scroll on anterior iris.

Use a Osher/Malyugin Ring Manipulator to disengage the distal scroll.

Place the distal scroll onto anterior iris.

Move the injector button back to remove the ring. Stop when the left scroll rides above the cannula, then remove the "assembly".

Special thanks to David Chang and Tom Oetting for their kind contributions to these instructions.

Patents Pending
We've watched all kinds of instruments used to place and remove Malyugin Ring® scrolls. Some good... some not so good.

So when Robert Osher, M.D. approached us regarding the need for a better/safer approach, we agreed to design and make what we hope you will find to be the best manipulat or made for the ring.

We feel so strongly about helping you use the right tool for the job, that we're providing these with our compliments to every facility that has already purchased the Malyugin Ring, or becomes a new Malyugin Ring customer.

The Osher/Malyugin Ring Manipulator is reusable, feels great in your hand, and will help you have a great experience. Only from MST.

*one per facility
Consider Them Your Personal Support Group

When we looked at and talked to people about what they liked and disliked about capsule retractors, we kept hearing the same thing, “I like the support they give, but the amount of focal pressure on the capsulorhexis margin is unsettling.”

So... we set out to design a new kind of capsule retractor: one that pulls the capsule and distributes force in the equator, one that if there is capsulorhexis margin touch, has a broader area of contact, one that is easy to direct where you want it, one that is different.

Introducing the MST Capsule Retractors. Only from MST.
Provided sterile. 6 packages of 3 MST Capsule Retractors per box.

**Description:**
MST Capsule Retractors

**Catalog Number**
MCR-0001

There are 3 retractors in each package, six packages in a box. The retractors are held in place by a silicone bar and are gripped by slots in the bar.

The Tyvek lid is pulled back and the tray turned upside down. The bar will drop out. Like this...

The bar is picked up and squeezed as shown to release its grip on the retractors. Remove the retractors.

### Placement and Removal

#### Placement

- Place through a 0.8 or larger paracentesis.
- If needed slip the working end under the capsulorhexis.

#### Removal

- Move the silicone stopper back and then the entire MST Capsule Retractor centrally to disengage.
- Move from the main incision using forceps and cutting the tail end off if necessary.
The Long And The Short Of MST Phaco Tips

MST designs and manufactures, to our exacting specifications, unique phaco tips for Alcon, AMO and Bausch + Lomb phaco machines. Before we release any phaco tip, we exhaustively test in an extensive battery each new design to better ensure that you will have a great experience. As with all MST products, we guarantee that you'll love their quality & performance. If you don't, return them within 30 days and receive your money back with no questions asked.

From our Dewey Radius™, No ABS, MicroCoaxial, and the MST/Packard 0.7 phaco tips we bring you the largest variety of features on the largest variety of phaco machines in the world.

MST conducts its own testing & certification for each of the machines noted. Trademarks are property of their respective owners.
Steve Dewey, M.D. had a thought...

“What if you could make a phaco tip that was less likely to break capsule? How would that change cataract and refractive lens exchange surgery?” The answer was, a lot.

Next, the combination of his idea and MST’s innovative technology, has produced a phaco tip that, instead of being sharp, has radiused edges to help protect both capsule and iris, yet, performs like a sharp-edged phaco tip.

The Dewey Radius™ is available in the most popular styles for the most popular machines.

The Dewey Radius phaco tip. It takes the edge off. Only from MST.
MST makes many Phaco tips that are designed to be compatible with the Infiniti® with OZil®. For a complete listing of our offering please see the pages in the back of this brochure or visit our web site.

At MST, we believe that putting holes in phaco tips is a legacy of days gone by and compromises the performance of the phaco tip.

Toward that end, in a recently published study, the ABS® hole was shown to lack surge protection value on the Infiniti®, whereas it did provide significant surge protection on the Alcon® Legacy®.

As it turns out, modern machines such as the Infiniti®, use sophisticated software to cool the phaco tip and to provide meaningful surge protection. This modern approach to lens removal, enables MST to provide phaco tips that don’t leak, which we believe, provides fluidic advantages that you’ll find beneficial.

Reference:
1. Dan Georgescu, MD, PhD, Marielle Payne, MD, Randall J. Olson, MD

Six to a box, no ABS® system.
Alcon, ABS, OZil Legacy and Infiniti are trademarks of Alcon, Inc.
MicroSurgical Technology is in no way affiliated with Alcon.
Designed for Alcon Infiniti, Bausch + Lomb® and AMO Systems

MST provides the Packard 0.7 Phaco tips in quite a number of differing configurations:

- Dewey Radius™
- Sharp
- Various bevels
- Straight as well as in various bends
- With sleeves for a wide range of incision sizes

(Provided sterile in a box containing 6 packages of one phaco tip and two associated sleeves)

For a complete listing of the Packard 0.7 Phaco tips that are available please see the pages in the back of this brochure or visit our web site.

How can a phaco tip this small be this efficient? You’ve got to try it to believe it.

In a recent study the MST Packard 0.7 phaco tip was shown to reduce CDE’s in 4+ Cataracts when compared to the Mini-Flare® phaco tip.²

In addition, the small size of the MST Packard 0.7 when combined with our unique translucent sleeves provide you with a better view of structures and takes about 20% less area in the wound when compared to Mini-Flare brand phaco tips.

Reference:
As We All Know,
More Heads Are Better Than One...

The answer was to create a universal handle, and to make each removable “head” best in class. That way, we felt our customers could grow their systems as we grew our forceps heads offering.

Over time, we’ve created quite a few unique forceps including:

• The Seibel Capsulorhexis forceps with Viewport™
• The Ahmed Micro Anterior Segment Set™
• The Packer/Chang IOL Cutters™ (which cut even the hardest acrylics)

We’ve even invented, and include for free, an entirely new way to protect and flush forceps to help keep your investment intact and clean. It’s called Swivel Guard™.
Consistent capsulorhexis size is crucial for optimal IOL function. Until now, guides for the creation of a desired rhexis size have proven elusive.

Toward the goal of helping you create a more precisely sized capsulorhexis, Barry Seibel, M.D. created two features for our capsulorhexis forceps that we hope you’ll find beneficial:

• The Rhexis Ruler™, a tool to help you visualize, directly on the capsule, your desired rhexis size just prior to, and validate just after, its creation.
• The ViewPort™, which is a window in the grasping tip for you to see where you are grasping.

The Seibel Capsulorhexis forceps features:

• Whole number millimeter marks just above their associated number.
• Half millimeter sizing as measured at the bottom of each number.
• The ability to “see through” the grasping tip.
Catalog Numbers

Heads

Description:          Catalog Number
Packer/Chang IOL Cutter Forceps Head   DFH-0012
23g MST Micro-holding Forceps          DFH-0019

Forceps Handles

Description:          Catalog Number
MST Touch™ Forceps Handle     DFH-0028
MST 360 Forceps Handle     DFH-0021

Acrylics, Hydrophilics, Silicones... Cower In Its Presence.

There was a time...
when extracting IOL's meant using scissors or other devices that required a large wound and for the most part didn't work particularly well.

Those days are over.

You'll marvel at how easily these IOL cutters cut through even the hardest of foldable acrylic materials, and still easily cut through the softest of silicones. We suspect you'll also appreciate how the design of these scissors lessens corneal distortion as compared to ordinary IOL cutters.

To make these scissors earn your trust and confidence, we invented an entirely new single piece scissors manufacturing method that results in exquisitely thin blades, and incredibly consistent sharpness.

The Packer/Chang IOL cutters. They just work.

Only from MST
Ahmed MicroSet

**Description:**
(Two MST Touch™ handles, two Ahmed Micro-tying forceps, one 23g Hoffman/Ahmed horizontal scissors, curved shaft, one 23g Ahmed Micro-graspers, curved shaft).

**Individually**

**Handle**

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MST Touch™ handle</td>
<td>DFH-0028</td>
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</table>

**Heads**

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>23g Ahmed Micro-tying forceps head</td>
<td>DFH-0003</td>
</tr>
<tr>
<td>23g Hoffman/Ahmed horizontal Micro-scissors, curved shaft</td>
<td>DFH-0008</td>
</tr>
<tr>
<td>23g Ahmed Micro-graspers, curved shaft</td>
<td>DFH-0009</td>
</tr>
<tr>
<td>23g Hoffman/Ahmed horizontal Micro-scissors, straight shaft</td>
<td>DFH-0010</td>
</tr>
</tbody>
</table>

Making complex Anterior Segment surgery a little easier, a little more controlled and enabling a little more versatility. That’s the goal of the Ahmed MicroSet.

The cannulas of this system are just the right length, just the right diameter, and with just the right curvatures. The handle feels great in your hand and closes smoothly and easily. The heads are completely universal, enabling you to grow your forceps system as you choose.

More important than our designing a platform just for Anterior Segment surgeons, was the input we received from Dr. Ahmed to create forceps and scissors that perform as you’ve always wanted. Micro-graspers work as a multifunction “utility” tool, 23g micro-scissors cut tissue with ease and can be inserted through a paracentesis, and vertical scissors have been found great use in cutting Acrysof® haptics that reside in the sulcus.

The Ahmed MicroSet. Control, Versatility... Grace.
Only from MST

Reference:
1. Fernando Trindade, MD. 2008 ASCRS Film Festival Grand Prize, “Watch The Haptic”. Acrysof is a trademark of Alcon, Inc.
Since the beginning, Coaxial I/A tip design has remained largely unchanged.

The problem is, while phaco technology, fluidics and technique have continually improved to increase safety and efficiency, I/A devices have remained essentially stuck in their original, decades old form.

Now, things are different.

Graham Barrett designed the Barrett I/A to provide more stable chambers and better control through the use of a small shaft diameter and larger distal end. These two unique features when combined with the Maestro handpiece result in more irrigation inflow and less irrigation competing with aspiration at the tip, which means you’ll realize a better, more controlled I/A procedure.

Maestro with Barrett I/A. Only from MST.
**Barrett I/A Tips for use with Maestro on Alcon® Systems**

<table>
<thead>
<tr>
<th>Incision</th>
<th>Description</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.6-2.85</td>
<td>MST Barrett, Straight Capsule Polish 0.3mm port, w/ 0.7 A1 purple sleeve</td>
<td>BRT-1028-P</td>
</tr>
<tr>
<td>2.6-2.85</td>
<td>MST Barrett, Bent Capsule Polish 0.3mm port, w/ 0.7 A1 purple sleeve</td>
<td>BRT-1029-P</td>
</tr>
<tr>
<td>2.6-2.85</td>
<td>MST Barrett, Curved Capsule Polish 0.3mm port, w/ 0.7 A1 purple sleeve</td>
<td>BRT-1030-P</td>
</tr>
<tr>
<td>2.2-2.5</td>
<td>MST Barrett, Straight Capsule Polish 0.3mm port, w/ 0.7 A1 red sleeve</td>
<td>BRT-1028-R</td>
</tr>
<tr>
<td>2.2-2.5</td>
<td>MST Barrett, Bent Capsule Polish 0.3mm port, w/ 0.7 A1 red sleeve</td>
<td>BRT-1029-R</td>
</tr>
<tr>
<td>2.2-2.5</td>
<td>MST Barrett, Curved Capsule Polish 0.3mm port, w/ 0.7 A1 red sleeve</td>
<td>BRT-1030-R</td>
</tr>
<tr>
<td>1.8-2.4</td>
<td>MST Barrett, Straight Capsule Polish 0.3mm port, w/ 0.7 A1 gold sleeve</td>
<td>BRT-1028-G</td>
</tr>
<tr>
<td>1.8-2.4</td>
<td>MST Barrett, Bent Capsule Polish 0.3mm port, w/ 0.7 A1 gold sleeve</td>
<td>BRT-1029-G</td>
</tr>
<tr>
<td>1.8-2.4</td>
<td>MST Barrett, Curved Capsule Polish 0.3mm port, w/ 0.7 A1 gold sleeve</td>
<td>BRT-1030-G</td>
</tr>
</tbody>
</table>

**Barrett I/A Tip for use with Maestro on AMO® and B + L® Systems**

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</thead>
<tbody>
<tr>
<td>2.6-2.85</td>
<td>MST Barrett, Straight Capsule Polish 0.3mm port, w/ 0.7 blue sleeve</td>
<td>BRT-1033-B</td>
</tr>
<tr>
<td>2.6-2.85</td>
<td>MST Barrett, Bent Capsule Polish 0.3mm port, w/ 0.7 blue sleeve</td>
<td>BRT-1034-B</td>
</tr>
<tr>
<td>2.6-2.85</td>
<td>MST Barrett, Curved Capsule Polish 0.3mm port, w/ 0.7 blue sleeve</td>
<td>BRT-1035-B</td>
</tr>
<tr>
<td>2.4-2.75</td>
<td>MST Barrett, Straight Capsule Polish 0.3mm port, w/ 0.7 yellow sleeve</td>
<td>BRT-1033-Y</td>
</tr>
<tr>
<td>2.4-2.75</td>
<td>MST Barrett, Bent Capsule Polish 0.3mm port, w/ 0.7 yellow sleeve</td>
<td>BRT-1034-Y</td>
</tr>
<tr>
<td>2.4-2.75</td>
<td>MST Barrett, Curved Capsule Polish 0.3mm port, w/ 0.7 yellow sleeve</td>
<td>BRT-1035-Y</td>
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<tr>
<td>1.8-2.4</td>
<td>MST Barrett, Straight Capsule Polish 0.3mm port, w/ 0.7 gold sleeve</td>
<td>BRT-1033-G</td>
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<tr>
<td>1.8-2.4</td>
<td>MST Barrett, Bent Capsule Polish 0.3mm port, w/ 0.7 gold sleeve</td>
<td>BRT-1034-G</td>
</tr>
<tr>
<td>1.8-2.4</td>
<td>MST Barrett, Curved Capsule Polish 0.3mm port, w/ 0.7 gold sleeve</td>
<td>BRT-1035-G</td>
</tr>
</tbody>
</table>
Soft I/A® tips

Description: Catalog Number
Soft I/A Straight, six pack S-IA-02020-6
Soft I/A Curved, six pack S-IA-02021-6
Soft I/A 45˚ six pack S-IA-02022-6

Associated Handpieces

Description:
Maestro I/A Handpiece MHP-0001
Intertip Titanium Ti-98100
Intertip Stainless Si-98200
Duet BiManual Aspiration Handpiece Du-02100

Adaptors for use with Soft I/A® and Intertip

Description:
MST adapter for Intertip Titanium TA-01332
MST adapter for Intertip Stainless SA-01340

Silicone Port is capsule friendly

Titanium substructure for better capsule polishing

Patent number: 6,902,558

• Note, no adaptor is needed for use of Soft I/A with the Maestro nor Duet Handpieces
## Intertip Ti (Titanium version)

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>Handle</td>
<td>Ti-98100</td>
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<tr>
<td>Straight Tip</td>
<td>Ti-98301</td>
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<tr>
<td>Curved Tip</td>
<td>Ti-98302</td>
</tr>
<tr>
<td>45° Tip</td>
<td>Ti-98303</td>
</tr>
<tr>
<td>90° Tip</td>
<td>Ti-98304</td>
</tr>
<tr>
<td>Binkhorst Tip, 150° Return</td>
<td>Ti-98306</td>
</tr>
<tr>
<td>Straight Tip for Silicone Sleeve</td>
<td>Ti-98307</td>
</tr>
<tr>
<td>Curved Tip for Silicone Sleeve</td>
<td>Ti-98309</td>
</tr>
<tr>
<td>45° Tip for Silicone Sleeve</td>
<td>Ti-98313</td>
</tr>
<tr>
<td>Replacement O-Rings (5 sets/bag)</td>
<td>IH-90330</td>
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</tbody>
</table>

## Intertip Si (Stainless version)

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>Handle</td>
<td>Si-98200</td>
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<tr>
<td>Straight Tip</td>
<td>Si-98301</td>
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<tr>
<td>Curved Tip</td>
<td>Si-98302</td>
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<tr>
<td>45° Tip</td>
<td>Si-98303</td>
</tr>
<tr>
<td>90° Tip</td>
<td>Si-98304</td>
</tr>
<tr>
<td>Binkhorst Tip, 150° Return</td>
<td>Si-98306</td>
</tr>
<tr>
<td>Straight Tip for Silicone Sleeve</td>
<td>Si-98307</td>
</tr>
<tr>
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<td>Si-98309</td>
</tr>
<tr>
<td>45° Tip for Silicone Sleeve</td>
<td>Si-98313</td>
</tr>
<tr>
<td>Replacement O-Rings (5 sets/bag)</td>
<td>IH-90330</td>
</tr>
</tbody>
</table>

For over 20 years MST has made I/A devices to the highest of quality standards. For the better part of that 20 years we have manufactured Intertip, one of the original and most popular interchangeable tip I/A systems in the world. We estimate that MST has actually made 40 some percent of the worlds I/A devices, and through the years we have utilized the same care that our Ophthalmologist founder instilled in our I/A devices all those years ago. Available in Titanium and Stainless versions with a wide array of tips, MST Intertip Ti and MST Intertip Si have stood the test of time and ensure you of quality. Intertip Ti and Intertip Si. From MST.
Whether your desires are oriented toward smaller incision Bimanual Phaco or solely to
The Duet Bimanual System.

The advantages of this system include:

• The unique Duet tip’s robust design which is less prone to break and
  less expensive to replace than ordinary Bimanual tips.

The Duet Bimanual system.
Only from MST.

Catalog Numbers

Duet Bimanual Handles

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duet aspiration handle</td>
<td>Du-02100</td>
</tr>
<tr>
<td>Duet irrigation handle</td>
<td>Du-02200</td>
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</tbody>
</table>

Bimanual I/A Tips & Irrigating Choppers

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>22g curved irrigation tip closed ended</td>
<td>Du-02354</td>
</tr>
<tr>
<td>22g curved aspiration tip 0.3mm port</td>
<td>Du-02355</td>
</tr>
<tr>
<td>22g curved aspiration tip, smooth, 0.3mm port</td>
<td>Du-02358</td>
</tr>
</tbody>
</table>

Whether your desires are oriented toward smaller incision Bimanual Phaco or solely to
find a better Bimanual I/A system, now there is a better product for you.

The Duet Bimanual System*

The advantages of this system include:

• The famous Duet irrigation flow rates.

• The unique Duet tip’s robust design which is less prone to break and
  less expensive to replace than ordinary Bimanual tips.

The Duet Bimanual system.
Only from MST.
Maestro I/A

Maestro Handpiece       MHP-0001
Tips and sleeves
The Maestro works with any of the Barrett V2 I/A tips and associated sleeves listed in this catalog.

The MST Maestro I/A handpiece is designed to provide great irrigation, easy assembly, and less expensive replacement of tips than ordinary I/A handpieces.

Only from MST.

For the Maestro Within You

Notes