Refurbish/Repair/Replace
Ophthalmic Microsurgical Instruments

Changes in surgical techniques require increased use of intricate instruments/accessories that need routine inspection. Microsurgical instruments for ophthalmology have miniaturized from 10-50% in working end size and delicacy.

Staff time to process, care for and procure instruments is reduced with cost efficiency employment. It is important to turn and remove unused instruments from your trays for efficiency.

A routine inspection program will help you save time and money. We offer you economical Care and Handling Tips with a Refurbish/Repair/Replace Program to help your staff.

Your instruments are a significant investment!

Contact us (800) 756 7773,
FAX (314) 849 7776 or e-mail custsvc@crestpointmgt.com for assistance.

Utilize manufacturer’s recommendations for proper care, handling and sterilization. This publication is designed as a basic guideline, to assess Refurbish/Repair/Replace of ophthalmic microsurgical instrumentation.

For additional information, go to www.crestpointmgt.com
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WHEN TO REFURBISH/REPAIR/REPLACE INSTRUMENTS

√ Instruments that undergo high volume use, or not in use for some time.
√ Instruments not routinely inspected or cleaned.
√ Corroded or stained instruments (spotted, rust colored film, rust, or deposits).

Send to Crestpoint for a no charge assessment —
call for instructions (800) 756 7773.

ASSESS YOUR INSTRUMENTS

After each procedure (through the cleaning process), instruments must be free of residue and debris (microscopically clean). Worn, damaged, porous, corroded instruments must be separated and sent for Refurbish/Repair/Replace. It is important that corroded instruments are immediately separated (from other instruments), as they may provoke and transmit corrosion to other instruments on the tray.

Some reasons to send in your instruments for Refurbish/Repair/Replace:

√ Insufficient automatic or manual cleaning.
√ Inappropriate cleaning residues, improper use of disinfecting or care agents.
√ Contact with strong abrasive solutions.
√ Water which contains ions such as iron or silicate.
√ Sterilization stream deposits/residues.
√ Improper cleaning/maintenance of sterilizer and sterilizer filters.
√ Residues from medications, marking pens, or chemical indicators.
√ Dropped, improperly handled, stacked instruments.
√ Instruments with prolonged exposure to saline.
**ESTABLISH ROUTINE TO REFURBISH/REPAIR/REPLACE**

Send instruments in (full or partial tray) when you go to a conference, trade show, vacation, etc. Turn around of your trays may be scheduled in advance and back to your facility when you return, (to your scheduling requirement(s), with advance notice please). There is no charge to evaluate instruments for Refurbish/Repair/Replace, we provide you a price quote before we proceed.

**BASIC STEPS OF CARE AND HANDLING**

For assistance with Care and Handling, contact us at (800) 756 7773.

- √ Protect microsurgical tips at all times.
- √ Sterilization preparation.
- √ Sterilization.
- √ Storage.

**ENSURE TO PROTECT INSTRUMENTS**

- √ Handle instruments with care through entire surgical process.
- √ Prevent delicate tips from damage (use aeriated instrument tip protectors).
- √ After use, rinse instruments as soon as possible.
- √ Frequently examine interlocking, connecting and moveable components.

**GUIDELINES FOR PURCHASING NEW INSTRUMENTS**

There are various quality and durability levels of surgical instruments produced, ranging from high to low. When you purchase instruments, purchase a high quality product that will last. Lower quality product will need frequent replacement and may/will eventually damage other instruments on your tray.

Choose a manufacturer/supplier that provides original designs and good service. Many instruments are copied. A copied instrument, not designed and manufactured to original specifications, may be dangerous in surgery. Assess what type of follow-up and post purchase service is available to you. Look at instruments purchased under a microscope. Are edges and finish smooth and free of defect or surface irregularities?
**INSPECTING INSTRUMENTS**
Under microscopic examination, check design of delicate working end tip to tip illustration(s) in catalog. Questions, contact us (800) 756 7773.

**CALIPERS:** Check each moving part to ensure graduation/measurement of movement is smooth. Marking point should have a smooth finish.

<table>
<thead>
<tr>
<th>Calibration Caliper</th>
<th>Description</th>
<th>Material</th>
<th>Reusability</th>
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</thead>
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<tr>
<td>G19135 Castroviejo Marking Caliper</td>
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<td>Titanium, Reusable</td>
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<td>9-653 Marking Caliper</td>
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<td>Titanium, Reusable</td>
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**CANNULAS, HANDPIECES:** Tips should have smooth finish, void of visible flaws, nicks, burrs, rough edges. Send in for routine inspection and refurbish. Discard disposable Cannulas after use.

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<thead>
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<th>Cannula</th>
<th>Description</th>
<th>Material</th>
<th>Reusability</th>
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<td>G22100 D.D. Koch-T. Kohnen Aspiration Handpiece</td>
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Crestpoint (illustrations not shown actual size)
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FIXATION RINGS: Fixation points should not be sharp. Ensure points of fixation are of same height, for consistent fixation. Send in for routine inspection and refurbish.

9-510R Fine Thornton Fixation Ring
Titanium, Reusable

FORCEPS: Check alignment of tips. Teeth should be aligned to intermesh with each other (check for bent teeth). Jaws to point should close freely without friction. Tying platforms should meet evenly, full length of platform. Check surface finish on smooth tipped Forceps for irregular edges. Send in for routine inspection and refurbish.

G31303 H.-R. Koch Capsulorhexis Forceps
Geuder Stainless Steel, Reusable
Titanium, Reusable

DK7722 IOL Folding Forceps
Titanium, Reusable

G19022 Castroviejo Suturing Forceps
Geuder Stainless Steel, Reusable

G18950 Troutman Barraquer Colibri Forceps
Geuder Stainless Steel, Reusable

2-2-817-1 Salvitti Akahoshi Pre-chop Forceps
Titanium, Reusable
HOOKS, MANIPULATORS, ROTATORS, DIVIDERS, PHACO CHOPPERS: Check surface finish for irregular edges. Verify instrument shaft - straight, curved, or angled, ensure tip secure. Send in for routine inspection and refurbish.

- **H1712 Osher Y Hook**
  - Stainless Steel, Reusable

- **G16181 Lieberman Microfinger**
  - Geuder
  - Stainless Steel, Reusable

- **6-400 Kuglen Iris Hook and IOL Manipulator**
  - Titanium, Reusable

- **H2005 Mackool® Chopper Spatula**
  - Stainless Steel, Reusable

INJECTORS: Working end tip should be smooth and shape of manufacture design. Working mechanisms should be clean of all debris and operate smoothly. Send in for routine inspection and refurbish.

- **DK7797-2 IOL Injector**
  - Titanium, Reusable

KNIVES: Inspect blade before each use for smoothness, nicks, irregular edge. Check moving mechanisms to ensure they work freely without drag. Send in for routine inspection and refurbish. Discard disposable Knives after use.

- **MAN1MSL24 Slit Knife**
  - Stainless Steel, Disposable

- **4-620 Wallace LRI Diamond Knife**
  - Titanium, Reusable
MARKERS: Ensure marker surface has smooth finish, free of surface irregularities. Send in for routine inspection and refurbish.

- **9-749 Kearney Parabolic Marker**
  - Titanium, Reusable

- **G33746 Chayet LASIK Corneal Marker**
  - Geuder Stainless Steel, Reusable

NEEDLE HOLDERS: Jaws should be smooth, properly aligned. Test lock function. Send in for routine inspection and refurbish.

- **3-205 Needle Holder**
  - Titanium, Reusable

- **G17570 Castroviejo Needle Holder**
  - Geuder Stainless Steel, Reusable

PUNCHES: Ensure working parts move freely without drag. Check working end for smooth finish, free of irregularities. Send in for routine inspection and refurbish.

- **G18238 Kelly Glaucoma Punch**
  - Geuder Stainless Steel, Reusable

- **7-102 Khaw Descemet Membrane Punch**
  - Titanium, Reusable

SCISSORS: Check alignment, sharpness, dull areas, irregular edges, and worn spots. Send in for routine inspection and refurbish.

- **G19776 Vannas Capsulotomy Scissors, Angled**
  - Geuder Stainless Steel, Reusable

- **G19751 Westcott Type Stitch Scissors**
  - Geuder Stainless Steel, Reusable

- **1-705 Osher IOL Cutter**
  - Titanium, Reusable

- **G32945 Steinmetz IOL Scissors**
  - Geuder Stainless Steel, Reusable
SPECULA AND RETRACTORS: Ensure blades smooth, free of surface irregularities. Working parts move freely without obstruction. Send in for routine inspection and refurbish.

**G15961 Lieberman Tennant Eye Speculum**
**Geuder** Stainless Steel, Reusable

**9-583 Williams Adjustable LASIK Speculum**
**Titanium, Reusable**

TREPHINES: Check for smooth finish, free of surface irregularities. Send in for routine inspection and refurbish. Discard disposables after use.

**G20050 Hamburg Keratoplasty Trephine**
**Geuder** Stainless Steel, Reusable

**6-924 Epithelial Trephine**
**Titanium, Reusable**

STERILIZATION CASES: Ensure Case is in good shape and designed to store and sterilize microsurgical instruments. Case should provide troughs or finger matting to secure instruments in place during transport, through sterilization process. Test finger mat, ensure flexible, to accommodate stored instruments.

Cut finger mats to custom fit delicate instruments into mat troughs, in order to properly close lid and not damage microsurgical instruments. Instruments should clear tray lid and rest comfortably between finger mat and/or troughs. Allow adequate room in Case, so instruments do not touch before, during or after surgery. Secure tip protectors (with aeration) on all microsurgical instruments stored in Case.