OPHTHALMIC PRODUCTS
Best selling
This brochure features bestselling reusable instruments and disposable products for cataract, refractive, corneal, and vitreoretinal procedures based on surgeons’ preference worldwide.

The whole range of RUMEX products can be found in General Catalog and on the website.

### CONTENTS

- HYDROPHOBIC IOLs 5
- OVDs 6
- SILICONE OIL 7
- DISPOSABLE KNIVES 8
- DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT 9
- CALIPERS 11
- MARKERS 12
- DIAMOND KNIVES 14
- FORCEPS 16
- IOL RESCUE KITS 24
- INTRAOCULAR HOOKS 25
- MUSCLE HOOKS, CHOPPERS AND MANIPULATORS 26
- CHOPPERS AND MANIPULATORS 27
- SPATULAS 28
- PRECHOPPERS 29
- IRRIGATION/ASPIRATION 30
- SCISSORS 32
- NEEDLE HOLDERS 35
- SPECULUMS 36
- PROBES, DILATORS AND PUNCHES 38
- INJECTORS, DEPRESSORS, CURETTES AND LOOPS 39
- ALGERBRUSH INSTRUMENTS 40
- REFRACTIVE INSTRUMENTS 41
- VITREORETINAL INSTRUMENTS 42
- VITREORETINAL PRODUCTS 47
- STERILIZATION TRAYS 49
<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>With Locking Mechanism</td>
<td>With Locking Mechanism</td>
</tr>
<tr>
<td>Without Lock</td>
<td>Without Lock</td>
</tr>
<tr>
<td>Disposable Instruments</td>
<td>Disposable Instruments</td>
</tr>
<tr>
<td>Quantity in the Box</td>
<td>Quantity in the Box</td>
</tr>
<tr>
<td>Available in Stainless Steel</td>
<td>Available in Stainless Steel</td>
</tr>
</tbody>
</table>
HYDROPHOBIC IOLs

Foldable aspheric monofocal one-piece IOLs

AquaFree Yellow Preloaded*
AquaFree Yellow IOL is preloaded in Accuject™ injection system

Excellent long-term result
- Low chromatic aberration – increased contrast sensitivity, excellent color perception
- UV and Blue Light blocking – better protection of macula
- Extreme double square edge – no risk of secondary cataract development
- No spherical aberrations – minimized glare and unwanted images
- Implantation through a 2.2 mm incision – fast recovery
- Manufactured by the lathe-cut (LC) method – no glistenings

Easy and controlled implantation
- Special surface polishing – a lens does not stick to itself or to the instruments
- Low glass transition temperature – excellent material performance in operating conditions
- Optimal folding and unfolding ability – easy to inject
- Preloaded – simple and predictable IOL injection within less than 5 seconds

*AquaFree Yellow Preloaded™ is preloaded in Accuject™ injection system

*Not for sale in the US

Product design and/or features that do not influence its functionality and main parameters are subject to change.
OPHTHALMIC VISCOELASTIC DEVICES (OVDs)

OVDs provide the safety and effectiveness during cataract surgery by maintaining anterior chamber depth and visibility and protecting corneal endothelium and other intraocular tissues during surgical manipulations.

**SmartVisc and SmartVisc+**

1.6% and 3.0% Sodium Hyaluronate Cohesive Viscoelastic Solution

**Advantages**
- Good maintenance of the anterior chamber and the capsular bag
- Controlled capsulorhexis
- Easy IOL implantation
- Better adhesiveness to the corneal endothelium during phacoemulsification
- Excellent protection against mechanical damages
- No refrigeration necessary
- Ready-to-use

**BEST FOR:**
- Keeping the empty capsular bag open for IOL insertion
- Flattening the anterior capsule to facilitate capsulorhexis creation

**Supreme**

2% Hydroxypropyl Methylcellulose Dispersive Viscoelastic Solution

**Advantages**
- The best endothelial protection
- Easy removal
- Completely transparent
- No refrigeration necessary
- Easy transportation and storage (2–35°C)

**BEST FOR:**
- Coating the surgical instruments
- Endothelium protection

*Not for sale in the US*
SILICONE OIL

**SmartSil 1000/5000***

Purified Silicone Oil for Vitreoretinal Surgery

- Maximum interfacial tension and minimum interactions between tissues, cells and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- Different viscosity indexes enable easy injection (1000 cSt) and stable temporary tamponade (5000 cSt)
- Vacuum molecular distillation solvent-free purification - no risk of emulsification

**Purification**

- Vacuum molecular distillation solvent-free purification
- Potentially toxic low molecular weight oligomers (D4 to D20) extraction
- Residual volatile components extraction (water, ethanol, etc.)

**Indication**

SmartSil 1000/5000 is used for prolonged tamponade after surgical treatment for severe retinal detachment (RD), especially:

- RD with proliferative vitreal retinopathy
- RD with diabetic retinopathy complications
- RD with giant tears
- Traumatic RD
- Secondary RD with viral retinitis

*Not for sale in the US. To be used with Silicone Oil Infusion System*
### BEST SELLING DISPOSABLE KNIVES

Product design and/or features that do not influence its functionality and main parameters are subject to change.

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**STERILE**

<table>
<thead>
<tr>
<th>Category: CATARACT</th>
<th>Description</th>
<th>Model</th>
<th>Diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side-Port Knives</td>
<td>Initial stab incisions Straight, double bevel</td>
<td>SP-15</td>
<td>1.00 mm, 15°</td>
</tr>
<tr>
<td></td>
<td>Exquisite sharpness for effortless penetration and withdrawal.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slit Knives</td>
<td>Scleral tunnel incisions Angled, single bevel</td>
<td>SL-28</td>
<td>2.80 mm</td>
</tr>
<tr>
<td></td>
<td>Optimal design of cutting edges allows for performance of watertight corneal incisions.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clear Corneal Knives</td>
<td>Clear corneal incisions Angled, double bevel</td>
<td>CC-22</td>
<td>2.20 mm</td>
</tr>
<tr>
<td></td>
<td>Ultra-thin profile reduces penetration force and contributes to re-epithelization.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CC-27</td>
<td>2.75 mm</td>
<td></td>
</tr>
<tr>
<td>Crescent Knives</td>
<td>Lamellar dissections/scleral tunnel, flap formation Angled, single bevel</td>
<td>CR-20</td>
<td>2.00 mm</td>
</tr>
<tr>
<td></td>
<td>Facet-free blade for smooth flap formation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MVR Knives</td>
<td>Posterior segment penetration/ side port incisions Straight, multifacet</td>
<td>VRS-20</td>
<td>20 Ga</td>
</tr>
<tr>
<td></td>
<td>Promotes safe and easy sclerotomy for vitreoretinal procedures.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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All knives are equipped with safety function lids.
DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

**SCISSORS**
Unique blade sharpening technology allows controlled cutting of various tissues with minimal pressure applied.

![Image of Westcott Tenotomy Scissors](image)
- **Westcott Tenotomy Scissors**
  - Blunt Tips
  - **11-040D**

![Image of Vannas Capsulotomy Scissors](image)
- **Vannas Capsulotomy Scissors**
  - Sharp Tips
  - **11-052D**

**FORCEPS**
Perfectly aligned tips make every surgical manipulation safe and easy.

![Image of Utrata Capsulorhexis Forceps](image)
- **Utrata Capsulorhexis Forceps**
  - Cystotome Tips Curved
  - **4-0331D**

![Image of Castroviejo Suturing Forceps](image)
- **Castroviejo Suturing Forceps**
  - Straight 0.12 mm 1x2 teeth
  - **4-0600D**

**CHOPPERS, MANIPULATORS & HOOKS**
Premium quality stainless steel ensures stiffness and flexibility of the working part.

![Image of Nagahara Phaco Chopper](image)
- **Nagahara Phaco Chopper**
  - RHD
  - **7-063D**

![Image of Lester Lens Manipulator](image)
- **Lester Lens Manipulator**
  - Angled
  - **5-0331D**

![Image of Sinskey Hook](image)
- **Sinskey Hook**
  - Angled
  - **5-032D**

Product design and/or features that do not influence its functionality and main parameters are subject to change.
DISPOSABLE SET OF IRRIGATION/ASPIRATION HANDPIECES

**STERILE**

**Set of I/A Handpieces for Bimanual Technique***

- Aspiration – single port 0.35 mm
- Irrigation – double port 0.40 mm

Delicate tips allow easy access to all parts of the capsule and may be introduced through any side-port incision.

- Lightweight, color-coded handpieces
- Standard male/female luer connector
- Compatible with Phaco or I/A system

<table>
<thead>
<tr>
<th>Aspiration</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-0821D</td>
<td>21 Ga</td>
</tr>
<tr>
<td>7-0823D</td>
<td>23 Ga</td>
</tr>
</tbody>
</table>

IRIS RETRACTORS

**STERILE**

**Iris Retractors***

- Strong yet flexible polypropylene hook for mechanical iris dilation
- Vertical orientation for easy handling
- Safe and comfortable dilation and fixation of a rigid pupil

10-5067-1

PVA SPEARS

**STERILE**

**PVA Spears***

Compressed lint-free PVA spears are ideal for controlling and absorbing fluid in and around the orbital area during cataract and refractive procedures.

R2-40405

*Not for sale in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change.
BEST SELLING

CALIPERS

Braunstein Fixed Caliper

![Braunstein Fixed Caliper](image1)

3.50/4.00 mm

- Used to make marks for MVR blade entrance and intravitreal injections on the distance from limbus to sclera

2-100T

Castroviejo Caliper

![Castroviejo Caliper](image2)

0.00/20.00 mm

- Scale is engraved on both sides
- Polished finish

2-010T
MARKERS

Whitehouse Gravity Axis Marker
- Marks the limbus at 3, 6 and 9 o’clock
- Helps to avoid the effect of cyclotortion
- Gravity weight system assures excellent visualization and balance

![Whitehouse Gravity Axis Marker Image]

- Designed in cooperation with Geoff Whitehouse, M.D., Australia
- 11.00/14.00 mm diameter

Bores Axis Marker
- Intra-Op
- Used with Gauges 2-030T, 2-0331T to mark the axis

![Bores Axis Marker Image]

- Accurate axial alignment on the cornea
- 12.00 mm blade

Mendez Degree Gauge
- Calibrated every 10 degrees from 0° to 180°
- Dull finish

![Mendez Degree Gauge Image]

- With 4 grooves for better marks visualization
- ID 13.00 mm/ ED 19.00 mm
- ID 13.00 mm/ ED 16.50 mm
MARKERS

Richman Single-Step Toric Marker

Designed to mark the desired axis of toric placement.

- The mark is performed preoperatively, which eliminates an intra-op step
- Sharp degree scale promotes for improved accuracy
- The outer barrel has indentations which make it easy to rotate
- Ergonomic handle, angled to avoid the lower eyelid when marking, while still being able to rest your hand on the patient’s cheek for stability
- A wide central opening enhances positioning when marking

Whipple Capsulorhexis Centration Marker

- Creates circular mark on the cornea to help gauge the size of the capsulotomy and its position
- Double-ended with 5.50/6.00 mm diameters
**Diamond Knives**

- Extreme sharpness
- Minimal pressure
- Reduced risk of wound leak

Predictable cuts and architecture of the wound for more consistent healing

### Universal Three-Step Knife for Cataract and LRI Surgery

- Precise, easy and stable calibration mechanism with 3 preset depths of 500, 550 and 600 microns
- Full extension for side-port incision

20° Trifacet Blade
0.20 – 1.00 mm
6-322/6-0531

Single footplate for better visualization of the direction in which the incision is intended to be performed

### Side-Port Diamond Knives

Titanium Handle, Straight

Trifacet
1.00 mm
6-10/6-053

### Phaco Diamond Knives

Titanium Handle, Angled

**Clear Corneal Blades**
6-20/6-072 – 2.80 mm

**Self-Diving Trapezoid Blades**
6-20/6-107 – 2.00/2.30 mm

Up to 3000 incisions

Profile of the incision directed to the Anterior Chamber

- Trapezoid Self-Diving Blades
- 6-20/6-140 – 0.50/1.00 mm
- 6-20/6-141 – 0.80/1.20 mm
- 6-20/6-142 – 1.30/1.50 mm
- 6-20/6-143 – 1.50/1.80 mm
- 6-20/6-144 – 1.80/2.00 mm
- 6-20/6-145 – 1.80/2.20 mm

**Zaldivar Knife for ICL Implantation**

- 6-20/6-0551
- 0.55/1.00 mm

Designed for ICL™ implantation. Can be used for other incisions: side-port, clear cornea, scleral tunnel.

**Facet-Free Crescent Knives**

- 6-20/6-092 – 2.00 mm

**Self-Diving Trapezoid Blades**

- 6-20/6-100 – 1.90/2.50 mm
- 6-20/6-101 – 2.70/3.20 mm
- 6-20/6-102 – 3.00/3.50 mm
- 6-20/6-104 – 2.30/2.80 mm
- 6-20/6-105 – 2.60/3.00 mm
- 6-20/6-107 – 2.00/2.30 mm

**Phaco Knives**

- Titanium Handle, Angled

- Designed for micro incision

- Angled Titanium handle

- Overall length 130 mm

**Diamond Knives**

- Extreme sharpness
- Minimal pressure
- Reduced risk of wound leak

Predictable cuts and architecture of the wound for more consistent healing

- Reduced risk of wound leak

- Diamond Knives

- Extreme sharpness

- Minimal pressure

- Reduced risk of wound leak

Predictable cuts and architecture of the wound for more consistent healing

- Reduced risk of wound leak

- Diamond Knives

- Extreme sharpness

- Minimal pressure

- Reduced risk of wound leak

Predictable cuts and architecture of the wound for more consistent healing

- Reduced risk of wound leak

- Diamond Knives
BEST SELLING

DIAMOND KNIVES

Zaldivar Knife for ICL Implantation

- Designed for ICL™ implantation
- Can be used for side port, clear cornea and scleral tunnel incisions

![Titanium Handle, Angled](image)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.55/1.00 mm</td>
<td>6-20/6-0551</td>
</tr>
</tbody>
</table>

Diamond Knife for ICRS, Astigmatic and Arcuate Keratotomy

- Assists in the implantation of intrastromal corneal ring segments (ICRS)
- Performs a 1.00 mm radial incision at 70–80% of corneal thickness

![Micrometer Titanium Handle](image)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 mm</td>
<td>6-00/6-020</td>
</tr>
</tbody>
</table>

- Micrometric scale allows to customize the depth of the blade from 0 to 1000 microns (0 to 1.00 mm)
- Increment – 5 microns (0.005 mm)
- The maximal depth of the blade is 1700 microns (1.70 mm)
CAPSULORHEXIS FORCEPS

Utrata Capsulorhexis Forceps

- Tungsten carbide coated cystotome tips for better gripping

Flat handle

Straight
Length 82 mm

4-0300T

Straight
Length 107 mm

4-0301T

Round ergonomic handle

Engravings for precise measurement inside the anterior chamber

Straight
2 engravings at 3, 6 mm

4-03114T

Straight
6 engravings at 1, 2, 3, 4, 5, 6 mm

4-03115T

Curved
2 engravings at 3, 6 mm

4-03314T

Curved
6 engravings at 1, 2, 3, 4, 5, 6 mm

4-03315T

Product design and/or features that do not influence its functionality and main parameters are subject to change.
CAPSULORHEXIS FORCEPS

Inamura Style RUMEX Capsulorhexis Forceps
- Recommended for coaxial phacoemulsification
- Cross-action maintains alignment of tips, prevents leakage of viscoelastic from anterior chamber

4-0391S Jaws 10.00 mm, for corneal incision  
4-0392S Jaws 12.00 mm, for scleral incision

Microcoaxial Capsulorhexis Forceps with Alignment Mechanism
- Ultra-thin jaws
- Internal limiter prevents the jaws from opening wider than intended.

4-0312S

MICS CAPSULORHEXIS FORCEPS
- Micro jaws
- Cystotome tips
- 0.80 mm incision
- Anti-glare matte finishing
- Exquisite gripping function
- Stiff and flexible Stainless Steel tube
- With fixation wheel

Kershner One-Pinch Capsulorhexis Forceps, 23 Ga
- Precise grab and secure hold

4-03741*
Capsulorhexis Forceps

Tungsten carbide coated cystotome tips allow to make the first pinch easily.

Engravings assist in measuring the rhexis.

Cross-action prevents the viscoelastic leakage and protects the incision from hyperextension.

Hinge joints allow for even distribution of pressure at three points.

Curved Stainless Steel Tips
- 4-0395 Flat Titanium Handle
- 4-0394 Round Titanium Handle
- 4-0395S Flat Stainless Steel Handle

Curved Titanium Tips
- 4-0395T Flat Titanium Handle

Straight Stainless Steel Tips
- 4-0396 Flat Titanium Handle

Design custom Cross-Action Capsulorhexis Forceps and we will manufacture them for you!

Create your own instrument online!
Choose sizes, shapes, and materials that you prefer.
Curved or Straight, Long or Short, Titanium or Stainless Steel up to your preferences.
You can modify the tool with a few clicks!
**BEST SELLING**

**FORCEPS**

Tying platform hard-faced with tungsten carbide coating for even greater grip and increased control over the tissue and suturing materials.

**SUTURING FORCEPS**

**Castroviejo Suturing Forceps**

Tying platform, 6.00 mm
Flat handle

- **4-0600T**
  - 0.12 mm, 1x2 teeth
- **4-0601T**
  - 0.30 mm, 1x2 teeth

**CORNEAL FORCEPS**

**Colibri Corneal Forceps**

Delicate forceps ideally suit for manipulating eye tissue.

The toothed tips allow precise gripping of the manipulated tissues.

- 0.12 mm, 1x2 teeth
- Tying platform, 5.00 mm

- **4-0501T**
  - 77 mm
- **4-050T**
  - 84 mm

**Colibri-Bonn Corneal Forceps**

- 0.12 mm, 1x2 teeth
- Flat Handle

- **4-0503S**

**Bonn Corneal Forceps**

- 0.12 mm 1x2 teeth
- Flat handle

- **4-058T**
## BEST SELLING

**FORCEPS**

Tying platform hard-faced with tungsten carbide coating for even greater grip and increased control over the tissue and suturing materials.

### TYING FORCEPS

#### McPherson Tying Forceps

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-171T</td>
<td>Tying platforms, 4.00 mm</td>
<td>Ideal for 8-0 to 11-0 sutures</td>
</tr>
<tr>
<td>4-178S</td>
<td>Tying platforms, 7.00 mm</td>
<td>Angled shafts contribute to easy movement in the anterior chamber</td>
</tr>
<tr>
<td>4-174T</td>
<td>Tying platforms, 8.00 mm</td>
<td></td>
</tr>
</tbody>
</table>

#### Tennant Tying Forceps

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-185T</td>
<td>Tying platforms, 6.00 mm</td>
<td>Extra delicate smooth jaws</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 9-0 to 11-0 sutures</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Round ergonomic handle</td>
</tr>
</tbody>
</table>
BEST SELLING

FORCEPS

Bonaccolto Utility Forceps

- Longitudinal atraumatic serrations
- Cross serrations at the tips for improved grip

4-2300T

Jeweller Forceps

Pointed tips with tying platform

4-111T #5

4-113T #3C

Micro-fine tips for manipulating extremely fine tissues

Dressing Forceps with Delicate Serrations

Straight serrated tips 12.00 mm

4-071S
FORCEPS

Fechtner Conjunctiva Forceps
Delicate ring tip jaws
4-2301T

Hartman Hemostatic Mosquito Forceps
Straight serrated jaws and ratchet lock for delicate occlusion of small vessels
4-120S  Straight jaws
4-121S  Curved jaws

Lambert Chalazion Forceps
Designed to evert the eyelid and expose chalazion for drainage and removal.
4-1908T  Small, 8.00 mm ID of the upper plate
4-1909T  Medium, 12.00 mm ID of the upper plate

Putterman Lid Clamp
• 6 Pins
• Serrated jaws
• Sliding lock
4-140T
BEST SELLING

FORCEPS

Designed for mechanical meibum removal

Dysfunctional meibomian glands often cause dry eyes. They may also contribute to blepharitis. Physical expression of the blocked glands has the goal of removing gland obstruction.

COMPRESSING LID FORCEPS

Compressing Lid Forceps

Obtains quick and delicate meibum expression by equal compressing of the eyelid from the internal and external sides.

4-1913T

Compressing Lid Forceps with Atraumatic Rollers

- Texturized rollers are safe for the conjunctiva
- Quick and delicate meibum expression is achieved by even squeezing of the eyelid from its base to the margin

4-124S
**IOL RESCUE KITS**

**Rowen Rescue Kit Forceps**
- Crocodile type intraocular forceps for foldable lens removal
- To remove silicone or acrylic IOL in case of complications

4-2150* 19 Ga

**Micro Foldable Lens Cutter**
- Intraocular scissors for foldable lens removal
- To remove silicone or acrylic IOL in case of complications
- Blades with notches

4-2173* 19 Ga

**RUMEX**
**Foldable Lens Cutter**
- Designed to cut and remove all types of foldable intraocular lenses through a small incision
- Upper blade of the scissors has three bevels for effective cutting and grasping of the IOL

4-21731

**RUMEX**
**Foldable Lens Removing Forceps**
Grasps and removes all types of foldable intraocular lenses through a small incision.

4-21741

*Tip only. Handles 12-003T and 12-001T are sold separately.
INTRAOCULAR HOOKS

Lester Lens Manipulator
Hourglass shaped tip
"Hourglass" shaped tip for safe and controlled lens manipulation

Sinskey Lens Manipulating Hook
Slim versatile tip

Kuglen Iris Hook And Lens Manipulator
Designed for push-pull technique.

Rumex Lens Manipulator
Button-shaped tip Safe for capsule

Bechert Nucleus Rotator
Forked tip rotates a nucleus without injury.

Stevens Curved Tenotomy Hook
6.00 mm flat hook
MUSCLE HOOKS

RHD for right-handed surgeon - to hold in the left hand
LHD for left-handed surgeon - to hold in the right hand

<table>
<thead>
<tr>
<th><strong>Graefe Muscle Hook</strong></th>
<th><strong>Jameson Muscle Hook</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat hook allows easy maneuvering of eye muscles during strabismus procedures.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>5-041</strong></th>
<th><strong>5-040</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 1</td>
<td>Size 1</td>
</tr>
<tr>
<td>1.00 mm tip, 8.00 mm hook</td>
<td>2.00 mm bulbous tip 9.50 mm flat hook</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>5-042</strong></th>
<th><strong>5-0401</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 2</td>
<td></td>
</tr>
<tr>
<td>1.50 mm tip, 10.00 mm hook</td>
<td>1.50 mm bulbous tip 8.00 mm flat hook</td>
</tr>
</tbody>
</table>

CHOPPERS & MANIPULATORS

<table>
<thead>
<tr>
<th><strong>Nagahara Phaco Chopper and Drysdale Nucleus Manipulator</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Double-ended</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>7-0631</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Drysdale Manipulator tip for efficient nucleus division</td>
</tr>
<tr>
<td>RHD Nagahara Chopper tip for nucleus manipulation and chopping</td>
</tr>
</tbody>
</table>
CHOPPERS AND MANIPULATORS

Rosen Phaco Chopper Universal
- Blunt distal part of the chopper is safe for the posterior capsule.
- "Claw" shape
- Effective nucleus splitting

Nucleus Claw Chopper
- "Claw" shape
- Effective nucleus splitting

Nagahara Phaco Chopper
- Smooth round tip
- Cutting edge assists in horizontal chopping

Drysdale Nucleus Manipulator
- For nucleus dividing and separating

Seibel Chopper
- Ball-shaped tip
- Capsule protection

RHD for right-handed surgeon - to hold in the left hand
LHD for left-handed surgeon - to hold in the right hand

BEST SELLING

Product design and/or features that do not influence its functionality and main parameters are subject to change.
SPATULAS

Iris/Nucleus manipulation

Straight Spatula

13-011

0.40 mm wide, 14.00 mm long

Double Spatula

13-031

0.50 mm wide, 12.00 mm long

100 mm wide, 12.00 mm long

Product design and/or features that do not influence its functionality and main parameters are subject to change.
<table>
<thead>
<tr>
<th>PRECHOPPERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Combo Prechopper</strong></td>
<td></td>
</tr>
<tr>
<td>7-1162S</td>
<td></td>
</tr>
<tr>
<td>• Coaxial Micro Phaco</td>
<td></td>
</tr>
<tr>
<td>• For sub-2.00 mm</td>
<td></td>
</tr>
<tr>
<td>• Max opening 2.00 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Inamura Prechopper</strong></td>
<td></td>
</tr>
<tr>
<td>7-1165S</td>
<td></td>
</tr>
<tr>
<td>• Narrow tip is easily inserted into the denser nucleus which enables division of a soft nucleus from a dense one without counter force</td>
<td></td>
</tr>
<tr>
<td>• Max opening 2.80 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Combo Prechopper</strong></td>
<td></td>
</tr>
<tr>
<td>7-1161S</td>
<td></td>
</tr>
<tr>
<td>• Specially designed jaws split soft and hard nuclei</td>
<td></td>
</tr>
<tr>
<td>• With sharp blades on the upper side of the tips and blunt on the other side</td>
<td></td>
</tr>
<tr>
<td>• Max opening 3.00 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Akahoshi Prechopper</strong></td>
<td></td>
</tr>
<tr>
<td>7-1163S</td>
<td></td>
</tr>
<tr>
<td>• Groove enables easy rotation of the nucleus during prechopping</td>
<td></td>
</tr>
<tr>
<td>• Max opening 3.00 mm</td>
<td></td>
</tr>
</tbody>
</table>

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IRRIGATION/ASPIRATION

May be introduced through any side port incision, allowing easy access to all parts of the capsule.

Irrigation Handpiece for Bimanual Technique

- Curved tube with a smooth faced tip
- Standard connector

![Irrigation Handpiece](image)

2×0.35 mm Side ports

- 7-081 21 Ga
- 7-081-23 23 Ga

Irrigates anterior chamber, maintaining its stability and providing for maximal cortex removal.

Aspiration Handpiece for Bimanual Technique

- Curved tube
- Removes residual cortex after phacoemulsification
- Standard connector

![Aspiration Handpiece](image)

- smooth faced tip 1×0.35 mm top port
- capsule polisher 1×0.35 mm top port

- 7-082 21 Ga
- 7-0821 22 Ga
- 7-0821-23 23 Ga
IRRIGATION/ASPIRATION

Irrigation/Aspiration Handpiece for Coaxial Phaco

Standard connectors

CANNULAS

Used for removing cortical debris or viscoelastic solution while maintaining the anterior chamber during cataract surgery.

Simcoe I/A Cannulas

- Regular 0.30/0.40 mm side irrigation port, 0.40 mm anterior opening for aspiration
- Irrigation through luer-lock hub, aspiration through the silicone tubing hub

IRRIGATION/ASPIRATION Handpiece for Coaxial Phaco

Simcoe I/A Tip

7-080/IAH

7-080/SIM

15-129-0.3 23 Ga, 0.30 mm irrigation port

15-129-0.4 23 Ga, 0.40 mm irrigation port
**SCISSORS**

- Matte finish/anti-glare coating to reduce a glare of the microscope
- Minimal friction
- Unique hardening system promoting 3,000+ cuts without resharpening
- Sharp cutting edges
- Maraging stainless steel

**TENOTOMY SCISSORS**

**Westcott Tenotomy Scissors**

- Blunt tips
- 13.00 mm blades

**11-040S**

Longer blades can make a precise cut into the deeper muscle areas

- 16.00 mm blades
- 15.00 mm blades

**11-042S**

**11-048S** Right

**Stevens Tenotomy Scissors**

- Blunt atraumatic tips

**11-130S** Straight, Sharp Tips

Ensures a steady grip and great precision while cutting.

**11-132S** Curved, Blunt Tips

**11-133S** Straight, Blunt Tips

---

Product design and/or features that do not influence its functionality and main parameters are subject to change.
SCISSORS

Vannas Capsulotomy Scissors

- Sharp tips assist in cutting and dissection
- Slender blades for intraocular precision

- Straight
  - 11-050S 6.00 mm blades
  - 11-058S Gills-Vannas 10.00 mm blades

- Curved
  - 11-052S 6.00 mm blades

- Angled
  - 11-0581S Gills-Vannas 10.00 mm blades

Castroviejo Universal Corneal Scissors

- Blunt atraumatic tips

- 11-011S 7.50 mm blades
- 11-012S 11.00 mm blades

Universal Corneal Scissors

- Round handle

- 11-034S 7.50 mm blades
- 11-035S 11.00 mm blades
SCISSORS

Iris Scissors

<table>
<thead>
<tr>
<th>Code</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-080S</td>
<td>Straight</td>
</tr>
<tr>
<td>11-081S</td>
<td>Curved</td>
</tr>
</tbody>
</table>

Pointed blades cut along flat surfaces.

Knapp Strabismus Scissors

<table>
<thead>
<tr>
<th>Code</th>
<th>Shape</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-101S</td>
<td>Curved</td>
</tr>
</tbody>
</table>

Westcott Stitch Scissors

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-044S</td>
</tr>
</tbody>
</table>

Pointed blades

Simple cutting of fine sutures and tissues.
NEEDLE HOLDERS

- Ergonomic round serrated handle
- Lightweight
- Tungsten carbide coated tips for better gripping

Barraquer Needle Holder
For 4.0-7.0 sutures, Curved standard jaws, 12.00 mm

- Overall length 100 mm
- Overall length 115 mm
- 8-011T
- 8-031T

For 4.0-7.0 sutures, Curved fine jaws, 12.00 mm

- Overall length 115 mm
- Overall length 125 mm
- 8-041T
- 8-071T

For 8.0-11.0 sutures, Curved extra fine jaws, 8.00 mm

- Overall length 100 mm
- Overall length 115 mm
- Overall length 125 mm
- 8-025T
- 8-045T
- 8-051T

For 4.0-6.0 sutures, Curved strong jaws, 12.00 mm

- Overall length 125 mm
- 8-091T

Castroviejo Needle Holder
For 7.0-9.0 sutures, Curved delicate jaws 8.00 mm

- Overall length 125 mm
- 8-096T

Product design and/or features that do not influence its functionality and main parameters are subject to change.
SPECULUMS

Barraquer Speculums
Temporal, Adult Size

- Non-reflective finish eliminates the reflection from the microscope
- Solid-shaped blades keep eyelashes from the surgical area

14-0221S

14-022S

Light-weighted wire blades put minimal pressure on the globe.

SPECULUMS WITH ASPIRATION

Lieberman Style Speculum with Aspiration
Temporal, Adult Size

- Round handle
- Ports on each blade allow continuous aspiration providing better vision during the operation
- «V» style blades allow to retain the surgical drape under the eyelids

14-080A

5 ports
**SPECULUMS**

**Lieberman Style Speculums**

Open blades provide unobstructed access to the eye.

- Thumb-screw control to adjust lid tension

**Kratz style open blades**

Temporal, Adult Size

14-040TK

Temporal, Adult size

14-040T Round handle
14-0401T Flat handle

«V» style blades allow to retain the surgical drape under the eyelids.

Nasal, Adult size

14-041T Round handle

**Kershner Reversible Speculum**

Reversible

- Can be used both for nasal and temporal approach

Solid-shaped blades keep eyelashes from the surgical area.

14-060T Round handle
14-0601T Flat handle

Product design and/or features that do not influence its functionality and main parameters are subject to change.
PROBES, DILATORS

Bowman Lacrimal Probe

- 9-010S: size 0000 & 000
- 9-011S: size 00 & 0
- 9-012S: size 1 & 2
- 9-013S: size 3 & 4

Castroviejo Double-Ended Lacrimal Dilator

Polished tips

- 9-060T: size 1 & 2

PUNCHES

RUMEX Corneoscleral Punch

Set of Stainless Steel tips:
0.50 mm, 0.75 mm, 1.00 mm, 1.50 mm

- 16-010

Used to perform a sclerectomy at the corneoscleral junction.
- Standard spring mechanism for precise control
- 360° rotatable tip for convenient positioning
- No need to hold the scleral flap

Kelly Descemet’s Membrane Punch

- 16-011

Creates precise round opening without tissue tags.
BEST SELLING

INJECTORS

Injector for Capsular Ring with Irrigation

- One-hand implantation
- For 10.00, 11.00 & 12.00 mm diameters rings
- Clockwise and counter-clockwise

16-253

DEPRESSORS

Schocket Double-Ended Scleral Depressor

with pocket clip

16-111S

CURETTES AND LOOPS

Meyerhoefer Chalazion Curette

- size 1 (1.75 mm)
- size 2 (2.00 mm)

16-064
16-065

Wilder Lens Loop

- 4.00 mm width
- Tear drop-shaped loop
- Efficient cupping of the lens

16-072

Product design and/or features that do not influence its functionality and main parameters are subject to change.
**ALGERBRUSH INSTRUMENTS***

**COMPLETE SET OF A POWER HANDLE, CHUCK, AND BURR**

**Pterygium Remover**
Diamond dusted burr provides excellent smoothing of corneal surface after surgical removal of the tissue.

- With a 2.50 mm Round Fine Grit Burr
  - 16-051-2.5

- With a 3.50 mm Round Medium Grit Burr
  - 16-050-3.5

**Rust Rings Remover**
Used to remove foreign bodies and rust rings from patient’s eye. Tungsten carbide coating ensures efficient corneal surface smoothing.

- With a 1.00 mm Burr
  - 16-140

- With a 0.50 mm Burr
  - 16-141

*Not for sale in Canada
Product design and/or features that do not influence its functionality and main parameters are subject to change.
REFRACTIVE INSTRUMENTS

Hockey Knife

To remove epithelium during PRK procedure and LASIK retreatment

20-001

FemtoLASIK Flap Spatula

A delicate pick and a curved spatula to open and manipulate the flap

20-201
VITREORETINAL INSTRUMENTS

REUSABLE

Option 1. Two-Piece Instruments
Universal Handle + Interchangeable Tips*
Completely detachable for most effective cleaning*

Money-Wise Solution

12-001T Universal Handle, One Finger Control

12-003T Universal Handle, Squeeze Model, Two Fingers Control

Option 2. One-Piece Instruments
With Innovative RUMEX Flushing System
Easy cleaning without disassembling

Complete tool – no need to adjust the tip to the handle
Delicate cleaning – flushing liquid streams towards the tips with zero stress for the jaws
Increased lifespan – the inner mechanism is not involved into the cleaning process and stays intact

Flush port
Flush cannula

*Tip only. Handles 12-003T and 12-001T are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change.
# VITREORETINAL INSTRUMENTS

## REUSABLE

### ILM  Eckardt End-Gripping Forceps

<table>
<thead>
<tr>
<th>Two-piece</th>
<th>One-piece</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-410-23</td>
<td>12-410-23H</td>
<td>23</td>
</tr>
<tr>
<td>12-410-25</td>
<td>12-410-25H</td>
<td>25</td>
</tr>
</tbody>
</table>

- Gentle and stiff branches with gripping platform

### ERM  Gripping Forceps with a “Crocodile” Platform

<table>
<thead>
<tr>
<th>Two-piece</th>
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<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-304-23</td>
<td>12-304-23H</td>
<td>23</td>
</tr>
<tr>
<td>12-304-25</td>
<td>12-304-25H</td>
<td>25</td>
</tr>
</tbody>
</table>

- Serrated jaws prevent tissue shredding

### Pick Forceps

<table>
<thead>
<tr>
<th>Two-piece</th>
<th>One-piece</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-325-23</td>
<td>12-325-23H</td>
<td>23</td>
</tr>
<tr>
<td>12-325-25</td>
<td>12-325-25H</td>
<td>25</td>
</tr>
</tbody>
</table>

- Sharp tips and texturized platform for secure rhexis

### Curved Scissors

<table>
<thead>
<tr>
<th>Two-piece</th>
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<th>Gauge</th>
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<tbody>
<tr>
<td>12-209-23</td>
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<td>23</td>
</tr>
<tr>
<td>12-209-25</td>
<td>12-209-25H</td>
<td>25</td>
</tr>
</tbody>
</table>

- Used for segmentation and delamination

*Tip only. Handles 12-003T and 12-001T are sold separately.

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VITREORETINAL INSTRUMENTS

The usage of trocar system helps to minimize the wound, avoid superfluous contact of surgical devices with sclera. The surgery is self sealing and thus sutureless.

Reusable Trocar System with Closure Valves

Package includes:
• Trocar cannula with closure valves – 5 pcs
• Loading forceps – 1 pc
• Fixation plate – 1 pc
• Cannula inserter – 3 pcs
• Universal infusion line – 1 pc
• Sterilization tray – 1 pc

12-5173-23 23 Ga
12-5173-25 25 Ga

2 extra cannulas
MVR knives should be purchased separately

Loading Forceps

12-5186 23/25 Ga

Instrument Cannula Inserter

12-5187 23 Ga
12-5187-25 25 Ga

Fixation Plate

12-5188 23/25 Ga

Reusable Backflush Handle

12-6010 Passive Aspiration
BEST SELLING

VITREORETINAL INSTRUMENTS
DISPOSABLE

Option 1. All Stainless Steel Instruments
Precise performance and instant tactile control

Option 2. Ergonomic 360-Degree Handle*
Enhanced utility due to rotatable squeeze handle

*Not for sale in the US and Europe

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# VITREORETINAL INSTRUMENTS

## DISPOSABLE

<table>
<thead>
<tr>
<th>ILM</th>
<th>Eckardt End-Gripping Forceps</th>
<th>Stainless Steel Handle</th>
<th>Plastic Handle*</th>
<th>Gauge</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>ERM</th>
<th>Gripping Forceps with a “Crocodile” Platform</th>
<th>Stainless Steel Handle</th>
<th>Plastic Handle*</th>
<th>Gauge</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pick Forceps</th>
<th>Stainless Steel Handle</th>
<th>Plastic Handle*</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sharp tips and texturized platform for secure rhexis</td>
<td>12-325-23D 12-325-25D</td>
<td>— —</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Curved Scissors</th>
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</table>

*Not for sale in the US and Europe

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VITREORETINAL PRODUCTS

DISPOSABLE ONE STEP TROCAR SYSTEMS*
For self-sealing and sutureless vitreoretinal surgery

**EACH SET INCLUDES:**
- 3 x trocar knives with sharp preloaded trocar cannulas
- 3 x removable silicone closure valves
- 1 x universal infusion line

---

**Sharp MVR Blade**
- Helps to create a smooth incision and promotes low-pressure insertion and superior sealing

**Trocar Cannula**
- Innovative beveled design of the cannula contributes to unstoppable smooth trocar insertion

**Silicone Closure Valves**
- Removable self-sealing valves ensure maintenance of the desired intraocular pressure throughout the case and eliminate the need for plugs

**Universal Infusion Line for BSS**

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**12-5229**  23 Ga
**12-5244**  25 Ga

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*Not for sale in the US and Europe
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VITREORETINAL PRODUCTS

DISPOSABLE BACKFLUSH INSTRUMENTS*

- One-piece instrument
- Aspirates intraocular fluids and debris
- Two connectors for active/passive aspiration

- 23 Ga
- 25 Ga

**BEST SELLING**

VITREORETINAL PRODUCTS

DISPOSABLE DIAMOND DUSTED ILM ELEVATOR*

**SOFT SILICONE TIP** is safe for retinal surface
**DIAMOND DUSTED** coating provides
for extreme grip

**RETRACTABLE** version enables easy and safe
insertion through the trocar valves

- 23 Ga
- 25 Ga

*Not for sale Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change.
RUMEX plastic trays are molded from General Electric’s ULTEM® resin, using mold flow analysis to guarantee product strength, structural integrity, and extended life cycle. Trays come either with silicone finger tip mat or plug-in inserts.

152x63.5x19 mm
6x2.5x1.5 in
18-301

165x101x19 mm
6.5x4x0.75 in
18-302

190x101x19 mm
7.5x4x0.75 in
18-303

254x152x19 mm
10x6x0.75 in
18-304

Double Level
254x152x38 mm
10x6x1.5 in
18-305

190.5x63.5x19 mm
7.5x2.5x0.75 in
18-308