MICRO & SMALL-INCISION CATARACT SURGERY
Introduction

Cataract surgery has experienced a large transformation during the last decades. The driving force of this progress was the reduction of the incision size. The trend to minimization of the incision contributed to development of phacoemulsification machines, lasers and surgical tools.

This evolution of eye surgery has led to the emergence of **Small-incision** bimanual cataract surgery (SICS) with the incision size below **2.00 mm**.

**Micro-incision** cataract surgery (MICS) appeared to be the next step of wound reduction to **1.80 mm** and is now considered as one of the most advanced, pioneering techniques for treating cataracts.

**Small size of instruments:**
- helps to minimize surgically induced corneal astigmatism
- promotes better postoperative corneal optical quality
- allows better intraocular view.

Helping doctors all over the world to be in line with the latest innovations we at Rumex have developed a comprehensive range of top quality **small- and micro-incision instruments** for all principal techniques of cataract treatment. Our range includes products for traditional phacoemulsification as well as femtosecond laser cataract tools.
With Locking Mechanism

6 PER BOX

Quantity in the Box

Cystotome Tips

Laser Engravings

Stainless Steel

Titanium

Disposable Instruments
CONTENTS

INCISION
CAPSULORHEXIS FORCEPS
MICS CAPSULORHEXIS FORCEPS
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MULTI-PURPOSE FORCEPS & NEEDLE HOLDERS
MICS SCISSORS
PRECHOPPERS, CHOPPERS & MANIPULATORS
IRRIGATION/ASPIRATION, CAPSULE POLISHING
FEMTOSECOND CATARACT INSTRUMENTS
CATARACT SET 1.80 MM INCISION
CATARACT SET 2.00 MM INCISION
DIAMOND KNIVES

Side-Port Diamond Knives

45° Single Edge
1.00 mm
6-10/6-050

Trifacet
1.00 mm
6-10/6-053

Phaco Diamond Knives

Self-Diving Trapezoid Blade
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

DISPOSABLE KNIVES

Side-Port Knife
Initial Stab Incisions
1.00 mm, 15°
Straight, Double Bevel
SP-15

Trapezoidal Knife
Tunnel Incisions
1.50-1.70 mm
Angled, Single bevel
TR-17

ALL KNIVES ARE EQUIPPED WITH SAFETY LIDS

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

**4-0312S** **Microcoaxial Capsulorhexis Forceps**

- Ultra-thin jaws
- A limiter protects the incision from hyperextension
- Curved jaws prevent corneal deformation

**4-032S** **Small-Incision Capsulorhexis Forceps with Limiter and View-Port**

- Ultra-thin vaulted shanks
- Internal limiter prevents the jaws from opening wider than intended.
- View-port provides optimal visualization.
- 2 engravings at 2.50 and 5.00 mm from the tip to measure the rhexis

- Tungsten carbide coated cystotome tips for better gripping
**CAPSULORHEXIS FORCEPS**

**CROSS ACTION CAPSULORHEXIS FORCEPS**

**Inamura Style RUMEX Capsulorhexis Forceps**

* Tungsten carbide coated cystotome tips for better gripping

- 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 |

**4-0395 Cross-Action Capsulorhexis Forceps With Scale**

- 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.
- Scale showing 2.50 and 5.00 mm from tip and lightweight titanium handle for more convenient use.

**4-033S Small-Incision Capsulorhexis Forceps with Double Cross-Action and Scale**

- Micro-thin jaws with fixed opening contribute to free movements in the anterior chamber.
- Scale for measuring the size of capsulorhexis

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

MICS Tips + Universal Handles
The two-piece instrument philosophy:

- the optimal solution for money-wise customers
- allows a doctor to arrange a set of favorite tips that can be used with a single handle
- enables the implementation of easy-to-clean procedure that helps to increase the longevity of an instrument

- Delicate tips, exquisite gripping/cutting function
- Anti-glare matte finishing
- Stiff and flexible stainless steel tube
- Rotating wheel to customize the position of a tip

Ergonomic Model
Two Fingers Control
Squeeze Handle
12-003T

- Two fingers linear actuation
- Ergonomic handle with specially designed gripping area for amplified control over the instrument
- Optimal diameter round handle allows 360° rotation

Classic Model
One Finger Control
Handle
12-001T

Flushing Adapter
Provided with each tip free of charge!

Safe and easy adjustable mechanism

Adjustable screw mechanism (to customize the opening of branches before manipulation)

All instrument tips in this brochure are compatible with both handle types: 12-001T and 12-003T

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Capsulorhexis Forceps with Internal Ruler, 23 Ga

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

**4-0374**
- 2 engravings at 3 and 6 mm

**4-0375**
- 6 engravings at 1, 2, 3, 4, 5 and 6 mm

Micro-jaws for superior mobility and laser marks for intraocular rhexis measurement

Kershner One-Pinch Capsulorhexis Forceps, 23 Ga

- Extremely sharp jaws for one pinch capsulorhexis through a side-port incision
- **2.50 mm branches**

**4-03731**

- Extremely sharp jaws of reduced length for enhanced maneuverability in the anterior chamber
- **1.80 mm branches**

Lesieur Capsulorhexis Forceps with Internal Ruler, 23 Ga

- Shorter jaws facilitate gripping the capsule close to the wound
- 7 laser marks for perfect sizing of the rhexis:
  - 1.00, 2.00, 2.50, 3.00, 4.00, 5.00 and 6.00 mm

**4-03742**

*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.
**Fine-Ikeda Capsulorhexis Forceps, 23 Ga**

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

4-03751*

Shorter branches of 0.80 mm for capsulorhexis through a side-port incision

**Kawai Capsulorhexis Forceps, Tapered 23/25 Ga shaft**

The distal part of the shaft is 25 Ga to protect the incision from hyperextension.

The proximal part of the shaft is 23 Ga to reinforce the construction.

4-03771*

The construction of the forceps shows least adverse effect on the wound. Serrated tips provide secure grip of the capsule.

**Capsulorhexis Forceps with View Port, 23 Ga**

4-03791*

6 engravings at 1, 1.5, 2, 3, 4 and 5 mm

Enhanced visibility though the port and high precision due to the laser-marked scale

*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.
ROWEN RESCUE KIT

Micro Foldable Lens Cutter, 19 Ga

- Micro jaws
- Anti-glare matte finishing
- Stiff and flexible Stainless Steel tube
- Exquisite gripping/cutting function

Blades with notches hold the lens during cutting, which improves cutter’s efficiency.

Rowen Rescue Kit Forceps, 19 Ga

Crocodile type jaws for safe IOL grip

IOL Grasping Forceps, 21 Ga

- Sand-blasted surfaces for efficient gripping of optic and haptic
- Fenestrated jaws for better visualization and haptic manipulation
- With fixation wheel

*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.
**Intraocular Tying Forceps, 23 Ga**

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

Micro-jaws for convenient intraocular suturing

**Intraocular Needle Holder for IOL Suturing & Manipulation, 23 Ga**

For IOL manipulation through a micro-incision

*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.*
**Zaldivar Iridectomy Scissors, 23 Ga**

- Micro jaws
- 0.80 mm incision
- Anti-glare matte finishing
- Exquisite cutting function
- Stiff and flexible Stainless Steel tube
- With fixation wheel

- Can be used through paracentesis incision
- The blades are curved for easy cutting and enhanced visualization

**Side-Port Capsulotomy Scissors, 20 Ga**

- Curved jaws provide efficient capsulotomy through a microincision

*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.
PRECHOPPERS, CHOPPERS & MANIPULATORS

PHACO CHOPPERS

7-1162S Combo Prechopper

For sub-2.00 mm Coaxial Micro Phaco
Max opening 2.00 mm

7-063 RHD Nagahara Phaco Chopper
7-064 LHD
7-065 Rosen Phaco Chopper, Universal

7-063* - Smooth round tip
- Cutting edge assists in horizontal chopping

7-065* - Blunt distal part of the chopper is safe for the posterior capsule.

LENS MANIPULATORS

5-030* Kuglen Iris Hook and Lens Manipulator

5-032* Sinskey Lens Manipulating Hook

5-0331* Lester Lens Manipulator

- “Hourglass” shaped tip for safe and controlled lens manipulation

* Disposable option is available. 7-063D, 7-065D, 5-030D, 5-032D, 5-0331D. Box of 6.
Product design and/or features that do not influence its functionality and main parameters are subject to change.
May be introduced through any side-port incision, allowing easy access to all parts of the capsule.

**7-081-23** Irrigation Handpiece for Bimanual Technique, 23 Ga

- 2×0.35 mm side ports
- Curved tube with a smooth faced tip
- Standard connector
- Irrigates anterior chamber, maintaining its stability and providing for maximal cortex removal.

**Aspiration Handpiece for Bimanual Technique, 23 Ga**

- **7-0821-23**
  - Curved tube with a texturized capsule polisher tip
  - Standard connector
  - 1×0.35 mm top port
- **7-0826**
  - Curved tube with a smooth faced tip
  - Standard connector
  - 1×0.30 mm top port
  - Polished ball tip is safe and atraumatic for the capsular bag.

**7-0821D** 21 Ga

**7-0823D** 23 Ga

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

- Aspiration – single port 0.35 mm
- Irrigation – double port 0.40 mm
- Each set includes 5 irrigation and 5 aspiration handpieces.

*Not for sale in Europe

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

**4-0582S** Forceps for Femtosecond Laser Cataract Procedure

- Ultrathin blunt-ended tips are safe for the wound edges.
- Cross-action facilitates quick and safe incision opening.

**20-2041** Donnenfeld Femto Spatula

- Special flattened design of the tip helps to open femtosecond laser-created cataract incisions.

**20-204D** Spatula for Femtosecond Laser Procedure

- Used for opening cataract incisions created by femtosecond laser system.

**20-061** Double-Ended Femto Spatula

- Safe and quick Femtosecond incisions opening
- Blunt flattened spear easily detects the entering point
- Blunt keratome-shaped tip facilitates incision opening
7-1166S Yeoh Femtosecond Prechopper

- Blunt atraumatic tips are ideal for complete nucleus separation during femtosecond laser cataract procedure
- Intended opening - 1.80 mm, can be widened to 2.80 mm

7-149S Escaf Prechopper

- Used to complete breakdown after Femtosecond or Ultrachopper and fracture cataract with hardness less than 4+
- Tolerates capsulorhexis smaller than 5.00 mm in diameter without injuring the capsule edges
- Truncated tip is safe for the edge of capsulorhexis
- Intended opening - 2.00 mm, can be widened to 2.80 mm

7-143* Slade/Terao Nucleus Splitter, 23 Ga

- Used to crack the femtochopped nucleus
- Chopper type design tip
- With fixation wheel

*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.
FEMTOSECOND CATARACT INSTRUMENTS

7-145 Nagy Femtosecond Chopper

- Cracks the nucleus through the laser created lines
- Blunt edge is safe for the posterior capsule

7-146 Donnenfeld Femto Splitter

For splitting the nucleus

13-181 Uy Laser Lens Fragmentation Combo Manipulator

Double-ended instrument for Femtosecond cataract procedure combining a chopper and a spatulated tip for nuclear, epinuclear and cortical fragments manipulating

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Cataract Set 1.8

1. Lieberman Temporal Speculum, Rounded “V” shaped blades, Titanium
2. Side-Port Diamond Knife, 45° Single Edge Blade, Straight Titanium Handle
   * SP-45 Disposable Side-Port Knife, Double Bevel, 100 mm, 45°, Straight, Safety System, 6 per Box
3. Phaco Diamond Knife, Trapezoid Blade 150/180 mm, Angled Titanium Handle
   * TR-17 Disposable Trapezoid Knife, Single Bevel, 150-170 mm, Angled, Safety System, 6 per Box
5. Nagahara Phaco Chopper, Round Titanium Handle
   * 7-063D Disposable Nagahara Phaco Chopper, RHD, 6 per Box
6. Sinskey Lens Manipulating Hook 0.15 mm tip, Angled, Round Titanium Handle
   * 5-032 Disposable Sinskey Hook, Angled, 6 per Box
7. Irrigation Handpiece for Bimanual Technique, Curved, 23 Ga, Two Ports on Side 0.35 mm, Titanium Handle
   * 7-0823D Disposable Set of I/A Handpieces for Bimanual Technique, 23 Ga, 5 Sets per Box
8. Aspiration Handpiece for Bimanual Technique, Curved, 23 Ga, One Top Port 0.35 mm, Titanium Handle
   * 7-0821-23 Disposable Set of I/A Handpieces for Bimanual Technique, 23 Ga, 5 Sets per Box
9. Colibri Corneal Forceps, 0.12 mm, 1x2 Teeth, Titanium
10. Castroviejo Suturing Forceps, 012 mm 1x2 Teeth, 6.00 mm Tying Platform, Stainless Steel
   * 4-0600D Disposable Castroviejo Suturing Forceps, 012 mm, 6 per Box
11. McPherson Straight Tying Forceps, 4.00 mm Tying Platforms, Straight, Titanium

* Not shown

18-304

Sterilization Tray
Silicone Finger Tip Mat
Single Level
Extra Large
254 x 152 x 19 mm
10 x 6 x 0.75"

Don’t forget to buy
# CATARACT SET 2.0

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<td>14-040T</td>
<td>Lieberman Temporal Speculum, Rounded &quot;V&quot; Shaped Blades, Titanium</td>
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<td>6-10/6-053</td>
<td>Side-Port Diamond Knife, Trifacet Blade, Straight Titanium Handle</td>
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<td>Phaco Diamond Knife, Trapezoid Blade 1.80/2.00 mm, Angled Titanium Handle</td>
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<td>4-0312S</td>
<td>Microcoaxial Capsulorhexis Forceps, Ultrathin, 11.50 mm Jaws, Alignment Mechanism, Stainless Steel</td>
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<td>7-065</td>
<td>Rosen Phaco Chopper Universal, Round Titanium Handle</td>
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<td>* 7-085D</td>
<td>Disposable Rosen Phaco Chopper, Universal, 6 per Box</td>
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<td>Kuglen Iris Hook, Angled, &quot;H&quot;-Shaped Tip, Round Titanium Handle</td>
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<td>7-081-23</td>
<td>Irrigation Handpiece for Bimanual Technique, Curved, 23 Ga, Two Ports on Side 0.35 mm, Titanium Handle</td>
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<td>Aspiration Handpiece for Bimanual Technique, Curved, 23 Ga, One Top Port 0.35 mm, Titanium Handle</td>
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<td>4-0501T</td>
<td>Colibri Corneal Forceps, 0.12mm x2 Teeth, Titanium</td>
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<td>4-0600T</td>
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<td>4-174T</td>
<td>McPherson Tying Forceps, 8.00 mm Tying Platforms, Angled, Titanium</td>
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**18-305**

Sterilization Tray  
Silicone Finger Tip Mat  
Double Level  
Extra Large  
254 x 152 x 38 mm  
10x6x1.5”

**DONT FORGET TO BUY**

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