

# Highlights 2020

## PEDIATRICS



## KARL STORZ, Your Partner in Pediatric Surgery

The diagnosis and therapy of children requires instruments that are appropriately adapted to the anatomical characteristics of the pediatric patient.

The following pages provide you with an overview of the product portfolio specially developed for the specialist disciplines listed below:

- Anesthesiology and Emergency Medicine
- Pediatric Pneumology
- Gastroenterology
- Laparoscopic Pediatric Surgery
- Pediatric Urology
- Proctology in the Pediatric Population

Furthermore, KARL STORZ offers child-specific instrumentation for the specialist disciplines listed below:

- Neurosurgery
- Endoscopes and Instruments for ENT
- Esophagoscopy
- Units and Accessories for Pediatrics
- Telepresence

Additional information on these specialist disciplines is available on the KARL STORZ website: **[www.karlstorz.com](http://www.karlstorz.com)**

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## C-MAC® S for Pediatrics

### The new MILLER single-use video laryngoscopes

The new pediatric single-use video laryngoscopes from KARL STORZ set new standards in airway management. The single-use MILLER 0 and 1 form a perfect symbiosis with the C-MAC® S Pediatric IMAGER and are oriented towards the highest hygiene standards.

- Blade and handle form one continuous piece: Risk of cross-contamination is drastically reduced
- BlueButton: Documentation with the innovative multifunction button
- Simple Plug & Play thanks to the universal C-MAC® system interface
- Compatible with the C-MAC® III Monitor, C-MAC® PM II and C-HUB® II
- Break-resistant C-MAC® S video laryngoscopes
- Handle specially designed to meet requirements in pediatrics
- For direct and indirect laryngoscopy with MILLER blades

- 8403ZXK **C-MAC® Monitor for CMOS Endoscopes**, screen size 7" with 1280 x 800 pixel resolution, two camera inputs, a USB and a HDMI port, optimized user interface, video and image capture in real time on SD card, playback of recorded video clips and still images, data transfer from SD card to USB flash drive possible, splash-proof according to IP54, suitable for wipe disinfection, shock-resistant ABS plastic housing, intelligent power management with rechargeable Li-on batteries, VESA 75 mounting option, power adaptor for EU, UK, USA and Australia, power supply 110-240 VAC, 50/60 Hz, for use with CMOS videoendoscopes including:  
**SD Card ULTRA, 16 GB**  
**Protection Cap**  
**VESA 75 Quick Clip**  
**Mains Adaptor Set**
- 8403X **C-MAC® Connecting Cable**, with C-MAC® system interface, for C-MAC® Monitor 8403ZXK or C-HUB® II 20290301, length 200 cm, for use with C-MAC® Video Laryngoscopes 8403xxx
- 8403XSP **C-MAC® S Pediatric IMAGER**, with C-MAC® system interface, for manual and machine disinfection up to 65 °C and High Level Disinfection (HLD) acc. to US standards, for use with C-MAC® Connecting Cable 8403X, C-MAC® Monitor 8403ZX, C-MAC® PM 8403XD or C-HUB® II 20290301 and single-use C-MAC® S Video Laryngoscopes 051110-10\*, 051111-10\*
- 051110-10\* **C-MAC® S Video Laryngoscope MILLER #0**, for single use, package of 10, for use with C-MAC® S Pediatric IMAGER 8403XSP 
- 051111-10\* **C-MAC® S Video Laryngoscope MILLER #1**, for single use, package of 10, for use with C-MAC® S Pediatric IMAGER 8403XSP 



## C-MAC® Video Laryngoscopes for Pediatrics and Neonatology

### For solutions that fit: The new MACINTOSH 0

To meet requirements for pediatrics and neonatology, particularly when dealing with the difficult airway, the C-MAC® video laryngoscope portfolio has been expanded to include the MACINTOSH 0. Five different blades are available for video laryngoscopy in pediatrics and neonatology: MILLER 0 and 1, MACINTOSH 0 and 2 as well as D-BLADE Ped. Thanks to the low blade profile and the optimal distance of the camera to the distal tip, the new MACINTOSH 0 and the enhanced MILLER 0 are particularly suitable for the intubation of premature babies.

- Particularly flat model, especially suited for neonatology
- For direct and indirect laryngoscopy
- For routine clinical use and training
- Specially shaped and shortened handle for pediatrics and neonatology
- The new C-MAC® PM connecting cable provides more room to maneuver

- 8403GXC **C-MAC® Video Laryngoscope MIL #1**, CMOS technology, with MILLER laryngoscope blade, size 1, with C-MAC® system interface, documentation of images and video sequences via the BlueButton, for use with C-MAC® Connecting Cable 8403X for C-MAC® Monitor 8403ZXK or C-HUB® II 20290301 as well as C-MAC® PM 8403XD
- 8403DXC **Same**, size 0
- 8403KXC **C-MAC® Video Laryngoscope MAC #2**, CMOS technology, with MACINTOSH laryngoscope blade, size 2, with C-MAC® system interface, documentation of images and video sequences via the BlueButton, for use with C-MAC® Connecting Cable 8403X for C-MAC® Monitor 8403ZXK or C-HUB® II 20290301 as well as C-MAC® PM 8403XD
- 8403EXC **C-MAC® Video Laryngoscope MAC #0**, CMOS technology, with MACINTOSH laryngoscope blade, size 0, with C-MAC® system interface, documentation of images and video sequences via the BlueButton, for use with C-MAC® Connecting Cable 8403X for C-MAC® Monitor 8403ZXK or C-HUB® II 20290301 as well as C-MAC® PM 8403XD
- 8403HXP **C-MAC® Video Laryngoscope D-BLADE Ped.**, pediatric, CMOS technology, for difficult intubation in children, with C-MAC® system interface, documentation of images and video sequences via the BlueButton, for use with C-MAC® Connecting Cable 8403X for C-MAC® Monitor 8403ZXK or C-HUB® II 20290301 as well as C-MAC® PM 8403XD
- 8403ZXK **C-MAC® Monitor for CMOS Endoscopes**, screen size 7" with 1280 x 800 pixel resolution, two camera inputs, a USB and a HDMI port, optimized user interface, video and image capturing in real time on SD card
- 8403X **C-MAC® Connecting Cable**, with C-MAC® system interface, for C-MAC® Monitor 8403ZXK or C-HUB® II 20290301, length 200 cm, for use with C-MAC® video laryngoscopes 8403xxx
- 8403XDK **C-MAC® PM Set**, unit with LCD monitor and power supply for all C-MAC® laryngoscopes, screen size 3.5", monitor movable via two rotation axes, rechargeable Li-ion batteries, 1 h operation time, 2 h charging time, power management with capacity indicator, protection class IPX8
- 8403XDL **Charging Unit**, for one rechargeable battery for C-MAC® PM, with power supply and mains adaptor for EU, UK, USA and Australia, power supply 100-240 VAC, 50/60 Hz, suitable for wipe disinfection, for use with Battery 8403XDA and C-MAC® PM 8403XD/XDK
- 8403XDP **C-MAC® PM Connecting Cable**, for the transmission of digital signals from C-MAC® PM 8403XD to C-MAC® video laryngoscopes 8403xxx (C-MAC® system interface), length 50 cm
- 8403XDA **Battery**, rechargeable Li-Ion battery for power supply of C-MAC® PM 8403XD, charging via Charging Unit 8403XDL, optimal operation time of 60 min, suitable for wipe disinfection



## Bronchoscopy Instruments for Children

### A practical set classification for the clinical routine

KARL STORZ offers instruments for pediatric bronchoscopy that are customized to the anatomy of children. This includes bronchoscopes in various sizes and lengths as well as optical forceps and accessories. To optimally structure our comprehensive product range for the benefit of our customers, we offer a total of three sets for foreign body removal in children. They are organized by age and corresponding tracheal diameter. Each set includes the appropriate bronchoscope sizes with a compatible telescope, optical forceps, and accessories. The instrument sets therefore offer everything needed for foreign body removal.

Sets:

- Set 1: Recommended age group 0-6 months
- Set 2: Recommended age group 6 months – 6 years
- Set 3: Recommended age group 6-14 years



## Set 2: Recommended Age Group 6 Months – 6 Years

### HOPKINS® Telescope and Bronchoscopes

- 10324AA **HOPKINS® Straight Forward Telescope 0°**, diameter 2.9 mm, length 36 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10339DD DOESEL-HUZLY **Bronchoscope**, size 3.5, length 26 cm
- 10339CC DOESEL-HUZLY **Bronchoscope**, size 4, length 26 cm
- 10339CD DOESEL-HUZLY **Bronchoscope**, size 3.5, length 30 cm
- 10339C DOESEL-HUZLY **Bronchoscope**, size 4, length 30 cm
- 10339BB DOESEL-HUZLY **Bronchoscope**, size 4.5, length 30 cm

### Optical Forceps and Instrumentation

- 10378HF **Optical Forceps**, with alligator jaws, for the controlled grasping of hard foreign bodies, with force-limited handle, incl. cleaning adaptor, for use with HOPKINS® Telescope 10324AA
- 10378CF **Optical Forceps**, 2 x 2 teeth, for the controlled grasping of coins and flat foreign bodies, with force-limited handle, incl. cleaning adaptor, for use with HOPKINS® Telescope 10324AA
- 10378KF **Optical Forceps**, with KILLIAN bean jaws, for the controlled grasping of peanuts and soft foreign bodies, with force-limited handle, incl. cleaning adaptor, for use with HOPKINS® Telescope 10324AA
- 10381B **Suction Tube**, with rubber tip, straight, diameter 2 mm, working length 35 cm

### Accessories

- 10101FA **Prismatic Light Deflector, autoclavable**, with connection to fiber optic light cable (not to be used with 8574K/KB/KT/KW)
- 10924D **Adaptor**, for respirator
- 10318K **Injection Cannula**, for positive pressure assisted ventilation system, LUER-Lock, outer diameter 3.5 mm, for use with bronchoscope series 10318 and 10339
- 10338S **Instrument Guide for Suction Catheters**, short, for bronchoscopes for children and infants
- 10338N **Rubber Telescope Guide**, for use with telescopes and optical forceps

### Wire Trays

- 39502ZL **Wire Tray for Cleaning, Sterilization and Storage of instruments**, long, stackable, including hole plate walls and foldaway handles, external dimensions: 535 x 250 x 66 mm
- 39100SL **Silicone Grid Insert LARGE DIAMOND GRID**, blue, extra wide meshed, for storage of instruments in wire trays, external dimensions: 530 x 240 mm
- 39100PS **Fixation Pin**, including screw and washer, to screw instruments into position in wire trays, height 38 mm, package of 12, for use with Silicone Tie-Downs 39360AS
- 39360AS **Silicone Tie-Downs**, package of 12, for use with Fixation Pins 39100PS and 39360AP

**Sets 1 and 3 are set out in detail in ENDOWORLD® “Bronchoscopy Instruments for Children” (Order No.: 96082014E).**



## SILVER SCOPE® Gastroscopes

The medium gastroscope for standard and pediatric use

- Elegant 7.8 mm outer diameter with 2.8 mm working channel
- Excellent deflection up to 210°, with small bend radius

Three innovative visualization technologies for easy tissue differentiation:

- CLARA: Homogeneous illumination
- CHROMA: Contrast enhancement
- SPECTRA\*: Spectral color shift and color exchange

\* SPECTRA: Not for sale in the U.S.

13823PKSK/NKSK  
Medium Gastroscope

**Flexible Video Gastroscope, with reduced outer diameter**

Sheath outer diameter: 7.8 mm  
Working channel diameter: 2.8 mm  
Max. deflection up/down: 210°/100°  
Max. deflection left/right: 120°/120°  
Working length: 1100 mm  
Direction of view: 0°

**To clean endoscopes 13823PKSK/NKSK, the following brush is recommended:**

110951-50\* **Cleaning Brush**, with double-sided brush, length 165 cm, brush diameter 3.2 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2.6-3 mm



**To clean the suction channel in the insertion tube, the following brush is recommended:**

110961-50\* **Cleaning Brush**, with double-sided brush, length 190 cm, brush diameter 4.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 3.2-4.2 mm



**To clean the valves, the following brush is recommended:**

110922-100\* **Valve Brush**, brush diameters 10 mm and 5 mm, brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat, unsterile, for single use, package of 100, for use with flexible endoscopes



The entire portfolio of flexible, sterile instruments for single use in gastroenterology can be found in ENDOWORLD® 96302001E.



## Slim Colonoscopes for Pediatric Applications




- Elegant 11.2 mm outer diameter with 3.4 mm working channel
- Enhanced endoscope flexibility for greater patient comfort
- Excellent deflection up to 210°, with small bend radius
- Three innovative visualization technologies for easy tissue differentiation:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA\*: Spectral color shift and color exchange
- Possible to clean water jet channel with a brush
- Available in three different lengths

\* SPECTRA: Not for sale in the U.S.


<p>13920PKSK/NKSK Sigmoidoscope with Water Jet Channel</p>	<p><b>Flexible Video Sigmoidoscope, with reduced outer diameter</b></p> <p>Sheath outer diameter: 11.2 mm Working channel diameter: 3.4 mm Max. deflection up/down: 210°/180° Max. deflection left/right: 160°/160° Working length: 800 mm Direction of view: 0°</p>
<p>13926PKSK/NKSK Slim Colonoscope with Water Jet Channel</p>	<p><b>Flexible Video Colonoscope, with reduced outer diameter</b></p> <p>Sheath outer diameter: 11.2 mm Working channel diameter: 3.4 mm Max. deflection up/down: 210°/180° Max. deflection left/right: 160°/160° Working length: 1330 mm Direction of view: 0°</p>
<p>13927PKSK/NKSK Slim Colonoscope with Water Jet Channel</p>	<p><b>Flexible Video Colonoscope, with reduced outer diameter</b></p> <p>Sheath outer diameter: 11.2 mm Working channel diameter: 3.4 mm Max. deflection up/down: 210°/180° Max. deflection left/right: 160°/160° Working length: 1530 mm Direction of view: 0°</p>

**We recommend the use of the IMAGE1 S™ camera platform and the CO<sub>2</sub>MBI® LED light source with the endoscope.**

**The following brushes are recommended for cleaning the slim colonoscopes and the sigmoidoscope**

- 110961-50\* **Cleaning Brush**, with double-sided brush, length 190 cm, brush diameter 4.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 3.2-4.2 mm 
- 110920-10\* **Biofilm Removal Device Cleaning Brush**, flocked, length 200 cm, unsterile, for single use, package of 10, for use with flexible endoscopes with a working channel diameter of 1.2 mm 
- 110932-50\* **Cleaning Brush**, length 200 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 1.2-1.5 mm 

**To clean the valves, the following brush is recommended:**

- 110922-100\* **Valve Brush**, brush diameters 10 mm and 5 mm, brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat, unsterile, for single use, package of 100, for use with flexible endoscopes 

The entire portfolio of flexible, sterile instruments for single use in gastroenterology can be found in ENDOWORLD® 96302001E.



**The instruments recommended for the slim colonoscopes and sigmoidoscopes can be viewed on the KARL STORZ website.**



## The Trocar Generation for Laparoscopic Pediatric Surgery

This trocar generation combines single-use with reusable components. Whereas cannulas and trocars feature a design with reusable components, the new valve seal is intended for single use.

### Special Features

- The ergonomic shape of the trocar ensures safe and reliable handling during placement
- The new plastic trocar housing ensures that the weight is considerably reduced and the trocar is well-balanced
- One-piece sealing system for single use (package of 10), now available as a sterile version
- Minimal friction between the valve seal and the instrument
- Available in diameters 2.5 mm, 3.5 mm and 6 mm with a working length of 5 cm

Size	2.5 mm	3.5 mm	6 mm
<b>Working length</b>	5 cm	5 cm	5 cm
<b>Color code</b>	blue	green	black
<b>Trocar</b> , with pyramidal tip, including <b>valve seal</b> , sterile, for single use, package of 10	<b>11603GZS</b>	<b>30114GZS</b>	<b>30160GZS</b>
<b>Trocar</b> , with blunt conical tip including <b>valve seal</b> , sterile, for single use, package of 10		<b>30114GNS</b>	<b>30160GNS</b>
<b>Trocar</b> , with conical tip including <b>valve seal</b> , sterile, for single use, package of 10		<b>30114GYS</b>	<b>30160GYS</b>

**Valve Seals**, for single use, package of 10

	STERILE 	
For trocars size 2.5 mm	021099-10	
For trocars size 3.5 mm	021199-10	
For trocars size 6 mm	021299-10	

Further sizes and lengths can be found in the Laparoscopy catalog and the online Laparoscopy catalog at [www.karlstorz.com](http://www.karlstorz.com).



## The RoTaLock<sup>®</sup> Trocar

The TAN ROTALOCK<sup>®</sup> trocar is a self-retaining trocar that was specially developed for neonatal surgery/pediatric laparoscopic surgery.


### Special Features:

- Distal tip of the cannula enables fixation directly under the abdominal wall and prevents the cannula from slipping out of the abdominal wall
- Due to the short length of the sheath, the distal tip of the cannula does not hinder opening of the jaws
- One-piece sealing system for single use, now also available as a sterile version
- Available in sizes 3.5 mm and 6 mm



- 30114RO TAN **ROTALOCK® Trocar**, without LUER-Lock connector for insufflation, size 3.5 mm, working length 3 cm, color code: green  
including:  
**Cannula**  
**Valve Seal**, sterile, for single use, package of 10  
**Fixation Tube**, package of 5
- 30114RB **ROTALOCK® Trocar**
- 30160RO TAN **ROTALOCK® Trocar**, with LUER-Lock connector for insufflation, size 6 mm, working length 5 cm, color code: black  
including:  
**Cannula**  
**Valve Seal**, sterile, for single use, package of 10  
**Fixation Tube**, package of 5
- 30160RB **ROTALOCK® Trocar**

**Valve Seals**, for single use, package of 10

	STERILE 	
For trocars size 3.5 mm	021199-10	
For trocars size 6 mm	021299-10	



## Three-part Dismantling CLICKline Series for Pediatric Laparoscopic Surgery

The CLICKLINE instrument line (diameter 3.5 mm, length 20 cm) for pediatric laparoscopic surgery features great stability while its efficient, modular construction offers a high level of flexibility.

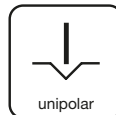
Special Features:

- Working length (20 cm) adapted to the special requirements of pediatric laparoscopy
- Modular concept: 3-part dismantling instruments for high hygiene demands and variability
- Diverse combination possibilities thanks to a wide range of jaws with various outer sheaths and CLICKLINE handles
- Working inserts with fully integrated joints

**In addition to this instrument line (3.5 mm, three-part dismantling) we also offer 3 mm instruments with a length of 20 cm (two-part dismantling). Further information can be found in the main Laparoscopy catalog and the online Laparoscopy catalog at [www.karlstorz.com](http://www.karlstorz.com).**

# CLICKline Dissecting Forceps, insulated, size 3.5 mm, length 20 cm

Operating instruments, **length 20 cm**, for use **with trocars size 3.5 mm**



**CLICKline®**

Length	Handle					
	33151	33152	33153	33156	33121	33149
20 cm						

### Double action jaws

Working Insert	Complete Instrument					
31110ML	31151ML	31152ML	31153ML	31156ML	31121ML	31149ML
	<b>CLICKLINE KELLY Dissecting and Grasping Forceps, long</b>					
31110MD	31151MD	31152MD	31153MD	31156MD	31121MD	31149MD
	<b>CLICKLINE KELLY Dissecting and Grasping Forceps</b>					
31110R	31151R	31152R	31153R	31156R	31121R	31149R
	<b>CLICKLINE Dissecting and Grasping Forceps, right-angled jaws</b>					
31110UL	31151UL	31152UL	31153UL	31156UL	31121UL	31149UL
	<b>CLICKLINE REDDICK-OLSEN Dissecting and Grasping Forceps, robust</b>					

Jaw length in mm (approx. measurements)

Further dissecting and grasping forceps can be found in the main Laparoscopy catalog and the online Laparoscopy catalog at [www.karlstorz.com](http://www.karlstorz.com).

# CLICKline Grasping Forceps, not insulated, size 3.5 mm, length 20 cm



Operating instruments, length 20 cm, for use with trocars size 3.5 mm

Length	Handle						
	33161	33162	33163	33166	33131	33146	33147
20 cm							

### Single action jaws

Working Insert	Complete Instrument						
31110ON	31161ONM	31162ONM	31163ONM	31166ONM	31131ONM	31146ONM	31147ONM
   16	<b>CLICKLINE Grasping Forceps</b> , fenestrated, with especially fine atraumatic serration						

### Double action jaws

31110C	31161CM	31162CM	31163CM	31166CM	31131CM	31146CM	31147CM
   23	<b>CLICKLINE ROTHENBERG Bowel Grasper</b>						
31110MG	31161MGM	31162MGM	31163MGM	31166MGM	31131MGM	31146MGM	31147MGM
   13	<b>CLICKLINE Dissecting and Grasping Forceps</b> , "tiger jaws", 2 x 4 teeth						
31110FG	31161FGM	31162FGM	31163FGM	31166FGM	31131FGM	31146FGM	31147FGM
   17	<b>CLICKLINE Grasping Forceps</b> , atraumatic, wavy serration						

| — |      Jaw length in mm (approx. measurements)

Further grasping forceps can be found in the main Laparoscopy catalog and the online Laparoscopy catalog at [www.karlstorz.com](http://www.karlstorz.com).

## CLICKline Scissors, insulated, size 3.5 mm, length 20 cm


Operating instruments, **length 20 cm**, for use **with trocars size 3.5 mm**



**CLICKline®**

Length	Handle		
	33151	33121	33149
20 cm			

### Double action jaws

Working Insert	Complete Instrument		
31110MW	31151MW	31121MW	31149MW
  —10—	<b>CLICKLINE Scissors</b> , serrated, curved, conical		

### Single action jaws

31110EH	31151EH	31121EH	31149EH
  —6—	<b>CLICKLINE Micro Hook Scissors</b>		

— — | Jaw length in mm (approx. measurements)

Further scissors can be found in the main Laparoscopy catalog and the online Laparoscopy catalog at [www.karlstorz.com](http://www.karlstorz.com).



## RoBi® – Rotating Bipolar Grasping Forceps and Scissors for Pediatric Laparoscopic Surgery

The rotating and bipolar instruments are available with a diameter of 3.5 mm and a working length of 20 cm and allow precise work on tissue. The instrument design and materials used ensure high mechanical stability. The force limiter integrated in the handle prevents the jaws from overloading. Color coding on the forceps insert and the handle enables clear identification of the new, modular ROBI® components.

Special Features:

- Rotating and bipolar instruments with a diameter of 3.5 mm and working length 20 cm
- Insulated outer sheath, 360° rotating sheath
- Modular design

## RoBi® Bipolar Grasping Forceps and Scissors, size 3.5 mm

Rotating, 2-part, dismantling, with connector pin for bipolar coagulation, CLERMONT-FERRAND model

Operating instruments, length 20 cm, for use with trocars size 3.5 mm



Working Insert with Outer Sheath	Handle
20 cm	38151

### Double action jaws

Working Insert with Outer Sheath	Complete Instrument
38810MD  ┆ 12 mm ┆	38851MD <b>ROBI® KELLY Grasping Forceps</b> , CLERMONT-FERRAND model, especially suitable for dissection, color code: light blue
38810ON  ┆ 12 mm ┆	38851ON <b>ROBI® Grasping Forceps</b> , CLERMONT-FERRAND model, with especially fine atraumatic serration, fenestrated jaws, color code: light blue
38810PT  ┆ 16 mm ┆	38851PT <b>ROBI® TAN Grasping Forceps</b> , CLERMONT-FERRAND model, especially suitable for dissection, color code: light blue
38810MW  ┆ 13 mm ┆	38851MW <b>ROBI® METZENBAUM Scissors</b> , CLERMONT-FERRAND model, curved blades, color code: light blue

┆ ┆ Jaw length in mm (approx. measurements)

Further information can be found in the main Laparoscopy catalog and the online Laparoscopy catalog at [www.karlstorz.com](http://www.karlstorz.com).



## Instrument Set for Pyloromyotomy

KARL STORZ offers a complete instrument set for pyloromyotomy featuring instruments that are specifically designed for this indication.

### **Percutaneous pyloric knife with knife insert for single use:**

- Optimal cutting every time
- Integrated ratchet mechanism allows the knife insert to be locked in 8 positions (1.5 mm steps) and extended to the desired length in a controlled manner in order to achieve the required cutting depth.

### **GEIGER Percutaneous Pyloric Grasper**

- Grasping forceps for stabilizing the pylorus during pyloromyotomy

The instrument set for pyloromyotomy also includes various pyloric spreaders and graspers that are suitable for both percutaneous applications and for use with a trocar.





26167DRS

**Pyloric Knife**, with LUER-Lock connector for cleaning, size 3 mm, length 10 cm  
including:  
**Handle**, with outer sheath  
**Knife Insert**, for single use, unsterile, package of 10



30352PS

**CLICKLINE GEIGER Pyloric Spreader**, rotating, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, for percutaneous use, double action jaws, size 3 mm, length 20 cm  
including:  
**Plastic Handle**, with ratchet  
**Outer Sheath with Working Insert**



31161PSM

**CLICKLINE Percutaneous Pyloric Spreader**, rotating, dismantling, without connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, size 3.5 mm, length 20 cm  
including:  
**Metal Handle**, without ratchet, with larger contact area  
**Metal Outer Sheath**  
**Forceps Insert**



31161VTM

**CLICKLINE TAN Pyloric Spreader and Grasping Forceps**, rotating, dismantling, without connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, in- and outside serrated jaws, size 3.5 mm, length 20 cm  
including:  
**Metal Handle**, without ratchet, with larger contact area  
**Metal Outer Sheath**  
**Forceps Insert**



31151VR

**CLICKLINE TAN Dissecting and Grasping Forceps**, rotating, dismantling, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, jaws with rounded tips, size 3.5 mm, length 20 cm  
including:  
**Plastic Handle**, without ratchet, with larger contact area  
**Metal Outer Sheath**, insulated  
**Forceps Insert**

Further sizes and lengths can be found in the Laparoscopy catalog and the online Laparoscopy catalog at [www.karlstorz.com](http://www.karlstorz.com).



## ENDOFLATOR® 50

Insufflator with integrated heating element and sensitive mode for laparoscopic pediatric surgery

Special Features:

- Optimized control of the insufflation pressure for pediatric applications as well as safety limits for pressure (up to max. 15 mmHg) and flow (up to max. 15 l/min)
- Stable OR field thanks to innovative regulation
- Gas heating adapts to various ambient conditions and helps reduce telescope fogging
- Can be used in combination with the S-PILOT® to control smoke evacuation\*

\* Further information on the S-PILOT® smoke evacuation system is available in the UNITS Highlights.

- UI500      **ENDOFLATOR® 50 SCB**, with integrated SCB module,  
power supply 100-240 VAC, 50/60 Hz,  
System requirements for use with SCB-PC:  
SCB control NEO System with installed SCB control NEO  
Software Release 20090001-45 or higher
- 20090170      **SCB Connecting Cable**, length 100 cm
- 20400030      **Universal Wrench**
- 031210-10\*      **Insufflation Tubing Set with Gas Filter**, heatable,  
hydrophobic on both sides, sterile, for single use, package of 10,  
for use with ENDOFLATOR® 50





## Thin, Pediatric System for Pediatric Urology

From childhood to old age, size plays a crucial role in urology. The pediatric system from KARL STORZ for newborn babies and children offers urologists and pediatric urologists or surgeons significant enhancements in urological care. The development of the 1.2 mm miniature telescope enables the further reduction of the previous cystoscopes, reflux cystoscopes, urethrotomes and resectoscopes while offering a new product line with special instruments for the field of pediatric urology.

### Special Features:

- Excellent optical quality with the smallest possible diameter
- Straightforward and gentle patient treatment thanks to the smallest possible sheath size
- Bifunctional working element – pediatric resectoscope and urethrotome
- Special sheath for the treatment of vesicoureteral reflux

- 27033AA **Miniature Straight Forward Telescope 0°**, diameter 1.2 mm, length 20 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 27033C **Cystoscope-Urethroscope Sheath**, 8 Fr., with 4 Fr. working channel, working length 16 cm, color code: blue
- 27033CR **Cystoscope-Urethroscope Sheath**, 8 Fr., with 4 Fr. working channel, for reflux needles, working length 16 cm, color code: white
- 27033EH **Electrotome**  
including:  
**Working Element**  
**Cutting Loop**  
**Coagulation Electrode**  
**High Frequency Cord**  
**Protection Tube**
- 27033R **Resectoscope Sheath**, with LUER-Lock stopcock, 9 Fr., color code: yellow
- 27033EK **Working Element Set**  
including:  
**Working Element**  
**Knife**
- 27033U **Urethrotome Sheath**, with LUER-Lock stopcock, 8 Fr.
- 27033F **Telescope Bridge**, with 1 lockable channel



## Operating Cystoscope-Urethroscope for Children

### For straightforward and gentle treatment

The operating cysto-urethrosopes with atraumatic tip and excellent gliding properties provide the operating surgeon with enhanced possibilities for diagnosis as well as straightforward and gentle treatment of the patient. The straight working channel and the excellent telescope significantly enhance the efficient performance of various procedures.

#### Special Features:

- Atraumatically shaped distal end of sheath with rounded tip
- Minimal sheath diameter
- Maximum irrigation due to the large, straight working channel

27030KAK **Pediatric Cysto-Urethroscope**, 8 Fr., 6°, 1 step, 8-11 Fr., length 13 cm, **autoclavable**, with angled eyepiece, fiber optic light transmission incorporated, with 2 lateral irrigation ports and 1 working channel 5 Fr., for use with instruments up to 4 Fr.

**The following accessories are included in delivery:**

**Insertion Aid**

**Instrument Port with Sealing System and Quick Release Lock**

**LUER-Lock Tube Connector**, male

**LUER-Lock Tube Connector**, with stopcock

**Seal**, package of 10

**Cleaning Adaptor**

27030KBK **Pediatric Cysto-Urethroscope**, 9.5 Fr., 6°, 1 step, 9.5-11 Fr., length 13 cm, **autoclavable**, with angled eyepiece, fiber optic light transmission incorporated, with 2 lateral irrigation ports and 1 working channel 6 Fr., for use with instruments up to 5 Fr.

**The following accessories are included in delivery:**

**Insertion Aid**

**Instrument Port with Sealing System and Quick Release Lock**

**LUER-Lock Tube Connector**, male

**LUER-Lock Tube Connector**, with stopcock

**Seal**, package of 10

**Cleaning Adaptor**

**The entire KARL STORZ product portfolio for pediatric urology can be found in the main Urology and Pediatric Surgery catalogs.**



## VITOM® – Visualization System for Open Surgery with Minimal Access

With its high depth of field and optimal magnification, the VITOM® system is ideal for open surgery. The magnified image of the open procedure can be conveniently viewed by the surgeon, assistants, and the entire surgical team on a monitor. This provides everyone in the OR with an optimal view of the surgical site.

- Perfectly suited for documentation in open surgery
- Ergonomic work
- Ideal for teaching and training
- More light in the field of view due to the integrated illuminator
- Compact design requiring minimal space in the OR
- Compatible with IMAGE1 S™



- 27015VAA **VITOM® Telescope 0° with Integrated Illuminator,**  
VITOM® HOPKINS® straight forward telescope 0°, working distance 25-75 cm, length 11 cm,  
**autoclavable**, fiber optic light transmission incorporated and condensor lenses,  
color code: green
- 27015VDA **VITOM® Telescope 90° with Integrated Illuminator,**  
VITOM® HOPKINS® telescope 90°, working distance 25-75 cm, length 11 cm,  
**autoclavable**, fiber optic light transmission incorporated and condensor lenses,  
color code: blue
- 495TIP **Fiber Optic Light Cable,** with straight connector, extremely heat-resistant,  
enhanced light transmission, diameter 4.8 mm, length 300 cm
- 39501A2 **Wire Tray for Cleaning, Sterilization and Storage** of two rigid endoscopes and one light cable,  
including holders for adaptor, silicone telescope holders and lid, external dimensions (w x d x h):  
352 x 125 x 54 mm, for rigid endoscopes up to diameter 10 mm and working length 20 cm







## E.P.Si.T. – Endoscopic Pilonidal Sinus Treatment

The pilonidal sinus is an acute or chronic inflammatory process in the subcutaneous adipose tissue, often occurring in the sacrococcygeal region<sup>1</sup>. E.P.Si.T. – Endoscopic Pilonidal Sinus Treatment – proceeds in two phases. In the first – diagnostic – phase, the sinus cavity and the sinus tracts are examined. The aim of the second – therapeutic – phase is to ablate the abscess cavity and to eliminate the fistula<sup>2</sup>. Both phases are performed under direct endoscopic control.

### Special Features:

- E.P.Si.T. can be performed in an outpatient setting
- Ablation of the abscess cavity and elimination of the fistula under direct vision
- High patient satisfaction<sup>3</sup>
- Straightforward, safe, effective and reproducible method of treatment<sup>3</sup>
- Instruments can also be used to treat anal fistulas (VAAFT technique)

- 24511 **Fistulectomy Set**,  
including:  
**Fistuloscope 8°**, angled eyepiece, outer diameter 3.3 x 4.7 mm, working length 18 cm  
**Handle**  
**Obturator**  
**Wire Tray for Cleaning, Sterilization and Storage**  
**Sealing Cap “Endoscopic Seal”**, sterile, package of 10
- 100020-10\* **Sealing Cap “Endoscopic Seal”**, for working channels of 4-10 Fr. instruments,  
sterile, for single use, package of 10 STERILE 
- 24515 **Coagulation Electrode**, unipolar, for fistulectomy, 7 Fr., length 53 cm
- 24514 **Fistula Brush**,  
including:  
**3-ring Handle**  
**Outer Sheath**  
**Fistula Brush Insert**, outer diameter 4 mm, unsterile, for single use   
**Fistula Brush Insert**, outer diameter 4.5 mm, unsterile, for single use   
**Fistula Brush Insert**, outer diameter 5 mm, unsterile, for single use 
- 30251KJ **CLICKLINE REDDICK-OLSEN Grasping Forceps**, rotating, dismantling, insulated, with connector  
pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws,  
size 2 mm, length 30 cm  
including:  
**Plastic Handle**, without ratchet, with larger contact area at the finger ring  
**Outer Sheath**, with working insert

**Sources:**

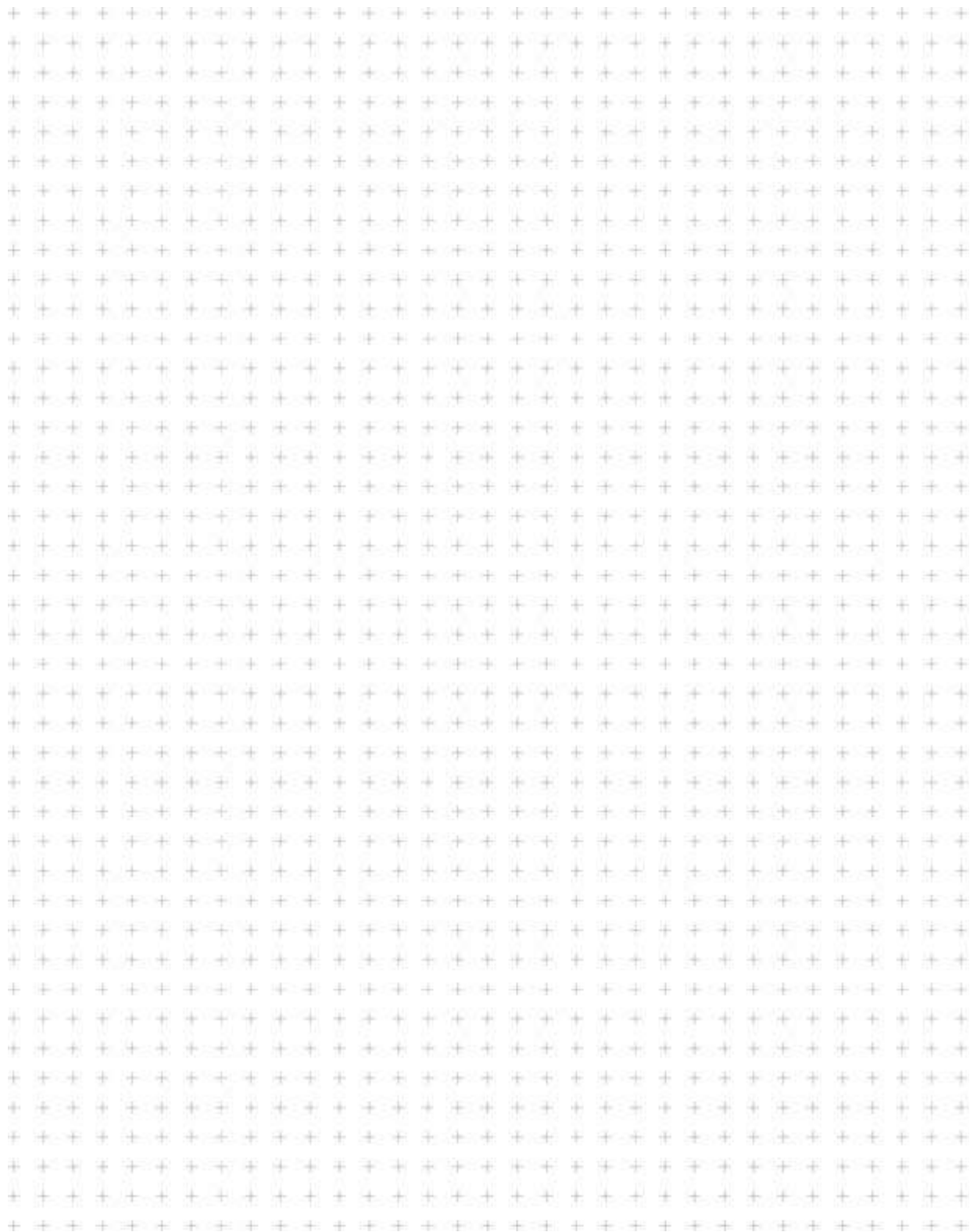
- <sup>1</sup> AWMF Summary of the S3 Guidelines 081/009: Sinus pilonidalis
- <sup>2</sup> Endoscopic Pilonidal Sinus Treatment: A Prospective Multicentre Trial. P. Meinero et al., 2016
- <sup>3</sup> Endoscopic Pilonidal Sinus Treatment, Giarratano G et al., 2017

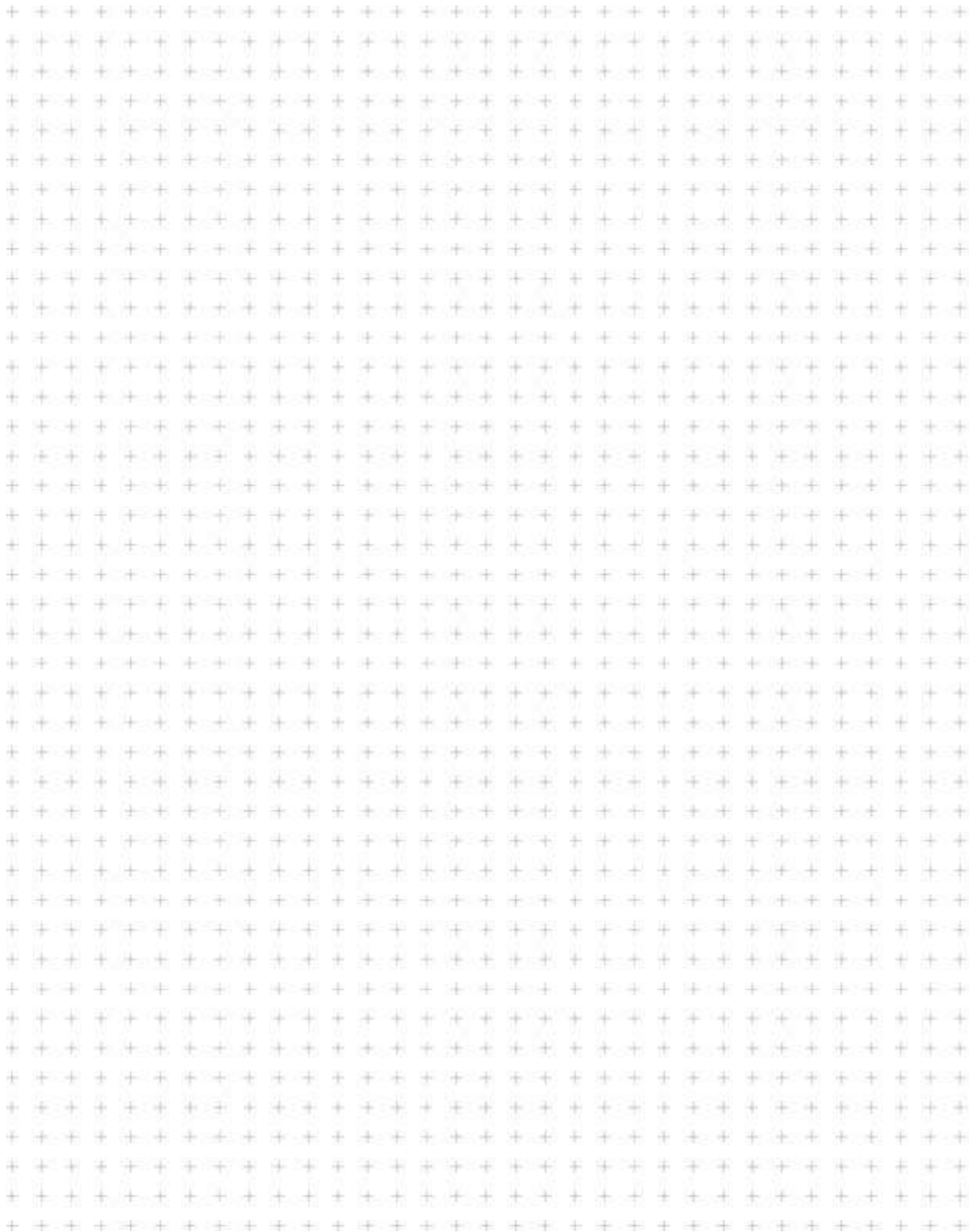


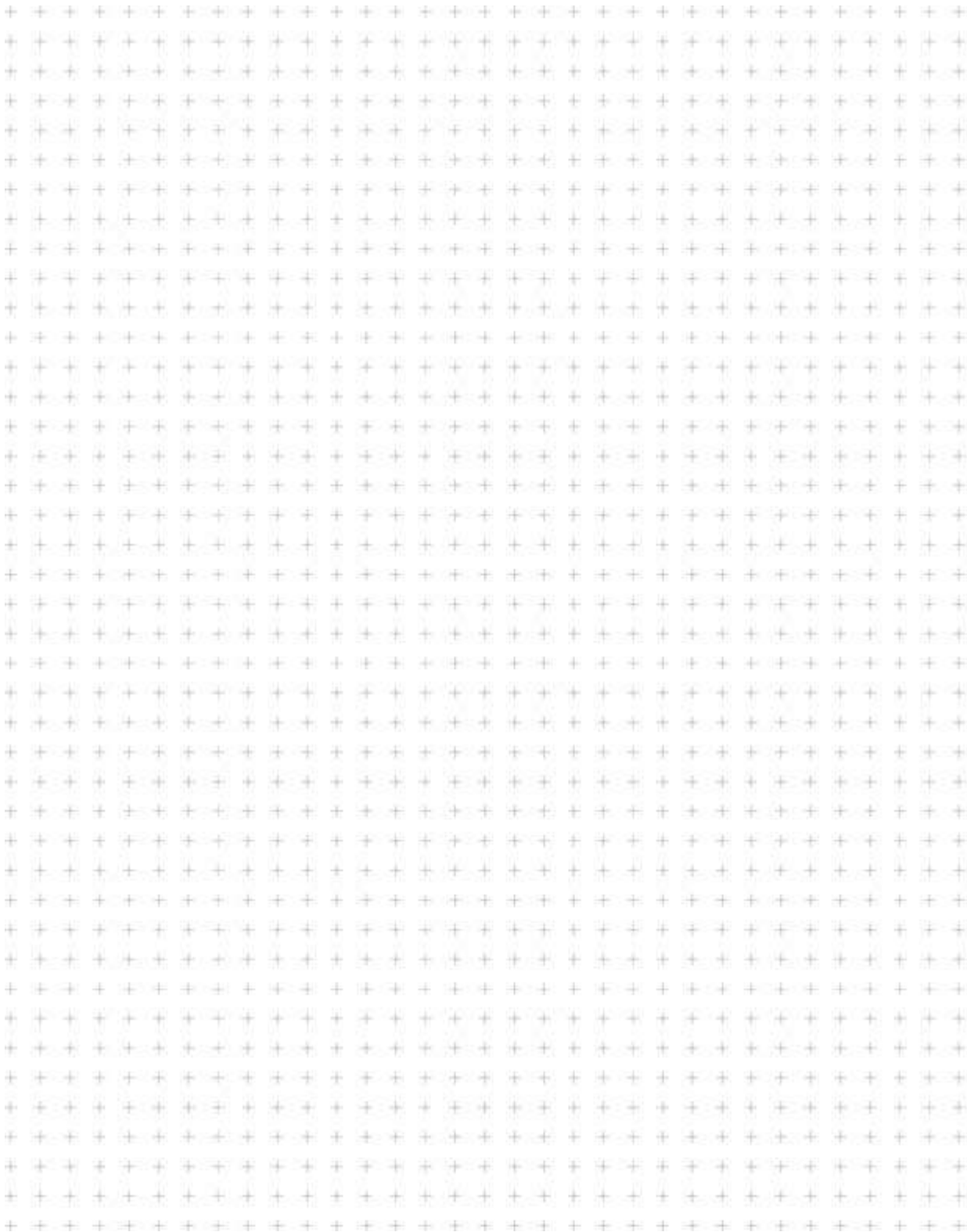
To view the application video,  
please scan the QR code

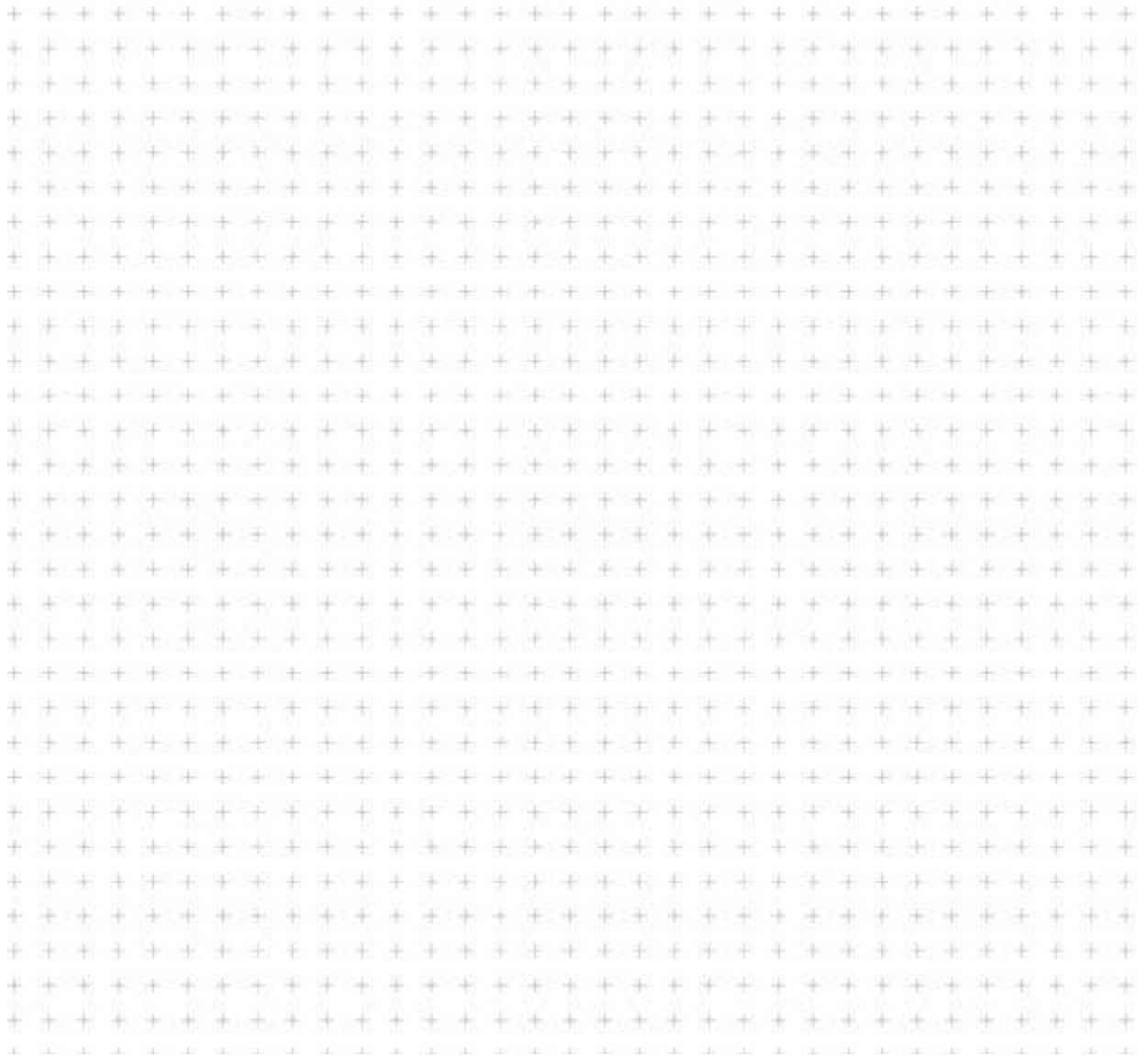


**Notes**









**It is recommended to check the suitability of the product for the intended procedure prior to use.**



# 75 Years

*Shaping the Future  
of Endoscopy with you*

**STORZ**  
KARL STORZ—ENDOSKOPE

THE DIAMOND STANDARD

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