Highlights 2018

MTP Single-Use Products
Flexible Single-Use Video Endoscopes

Precise, safe, fast

Quality meets availability! Delivering performance and precision at all times is one of the main requirements of medical products. In conjunction with the E-Box and the C-MAC® monitor or C-HUB® II, the flexible single-use video endoscopes from KARL STORZ provide single-use solutions that impress in every respect.

- Excellent image quality – KARL STORZ also makes no compromises with respect to single-use products
- Ergonomic handle design allows fatigue-free work
- Integrated LED light source for optimal illumination
- Video and image capture as well as data storage via the C-MAC® monitor
C-MAC Monitor 8403 ZX and E-Box TP 010 for use with Flexible Single-Use Video Endoscopes:

8403 ZX  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-Ion batteries, without mains adaptor and accessories, for use with CMOS video endoscopes

TP 010*  E-Box, for KARL STORZ flexible single-use video endoscopes, compatible with C-MAC® Monitor 8403 ZX and C-HUB® II 20290320

Flexible Single-Use Video Endoscopes:

091300-06*  Video Rhino-Laryngoscope, direction of view 0°, angle of view 90°, working length 30 cm, outer diameter 3.5 mm, deflection up/down 140°/140°, sterile, for single use, package of 6, for use with E-Box TP 010

091370-06*  Video Esophagoscope, direction of view 0°, angle of view 90°, working length 75 cm, outer diameter 3.5 mm, deflection up/down 210°/210°, sterile, for single use, package of 6, for use with E-Box TP 010

*Currently not available on CE markets
C-MAC® S – The Video Laryngoscope for Single-Use that Meets the Highest Hygiene Standards

The C-MAC® S video laryngoscope has the same outstanding features and all the familiar benefits of the reusable C-MAC® video laryngoscopes while meeting the highest hygiene standards. In contrast to other video laryngoscopes for single-use, the blade and handle form one continuous piece which significantly reduces the danger of cross-contamination, even in the case of high-risk patients. The ergonomically designed IMAGER can be reprocessed at temperatures up to 65 °C and thus completes the hygiene chain. In line with ISO 7376 standards, the C-MAC® S video laryngoscope features high tensile strength and is extremely robust.

Special Features:

- Blade and handle form one continuous piece: Optimum protection against cross-contamination
- IMAGER can be reprocessed with HLD and with mechanical cleaning up to 65 °C
- Three blade types: MACINTOSH #3, #4 and D-BLADE with short handle
- Extremely sturdy plastic material with high tensile strength
- Compatible with C-MAC® III Monitor, C-MAC® PM II and C-HUB® II
- Ergonomic handle and IMAGER
C-MAC® S Video Laryngoscope MAC #3,
with MACINTOSH laryngoscope blade, size 3, for single use, package of 10,
for use with KARL STORZ C-MAC® S IMAGER 8402 XS, 8403 XS or 8403 XSI

051114-10 C-MAC® S Video Laryngoscope MAC #4,
with MACINTOSH laryngoscope blade, size 4, for single use, package of 10,
for use with KARL STORZ C-MAC® S IMAGER 8402 XS, 8403 XS or 8403 XSI

051116-10 C-MAC® S Video Laryngoscope D-BLADE,
with laryngoscope blade for difficult intubation, for single use, package of 10,
for use with KARL STORZ C-MAC® S IMAGER 8402 XS, 8403 XS or 8403 XSI

8403 XSI C-MAC® S 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 8403 X, C-MAC® Monitor 8403 ZX, C-MAC® POCKET MONITOR 8403 XD or C-HUB® II 290301 and single-use C-MAC® S Video Laryngoscopes 051113-10, 051114-10, 051116-10

8403 XDK C-MAC® POCKET MONITOR Set, unit with LCD monitor and power supply for all C-MAC® video laryngoscopes, with C-MAC® system interface, screen size 3.5" documentation of images and video sequences saved on internal memory, monitor movable via two rotation axes, rechargeable Li-Ion battery, 1 h operation time, exchangeable battery pack, 2 h charging time, power management with capacity indicator, protection class IPX8, for use with C-MAC® Video Laryngoscopes 8403 xxx including:
C-MAC® POCKET MONITOR
Battery, rechargeable
USB Data Cable

8403 XDL Charging Unit, for one rechargeable battery for C-MAC® POCKET MONITOR, with power supply and mains adaptor for EU, UK, USA and AUS, power supply 100-240 VAC, 50/60 Hz, suitable for wipe disinfection, for use with Battery for C-MAC® PM 8403 XDA and C-MAC® POCKET MONITOR 8403 XD

8403 XDA Battery, rechargeable Li-Ion battery for power supply of C-MAC® PM 8403 XD, charging via Charging Unit 8403 XDL, optimal operation time of 60 min, suitable for wipe disinfection
Single-Use Blades for Pediatric Use in Anesthesia, Intensive Care and Emergency Medicine

Special Features:

- Blade and handle including hygienic guard in one piece: Optimal protection against cross-contamination
- Extremely high tensile strength
- Ergonomically shaped handle
- Compact design
- For direct and indirect laryngoscopy with the original MILLER blade shape
- For daily routine use and training
- For use with C-MAC® S Pediatric IMAGER 8403 XSP in combination with C-MAC® PM 8403 XDK or C-MAC® Monitor 8403 ZXK with 8403 X
051110-10 **C-MAC® S Video Laryngoscope** MILLER #0, for single use, package of 10, for use with KARL STORZ C-MAC® S Pediatric IMAGER 8403 XSP

051111-10 **C-MAC® S Video Laryngoscope** MILLER #1, for single use, package of 10, for use with KARL STORZ C-MAC® S Pediatric IMAGER 8403 XSP

8403 XSP **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 8403 X, C-MAC® Monitor 8403 ZX, C-MAC® POCKET MONITOR 8403 XD or C-HUB® II 20290301 and single-use C-MAC® S Video Laryngoscopes 051110-10, 051111-10

8403 XDK **C-MAC® POCKET MONITOR Set**, unit with LCD monitor and power supply for all C-MAC® video laryngoscopes, with C-MAC® system interface, screen size 3.5", documentation of images and video sequences saved on internal memory, monitor movable via two rotation axes, rechargeable Li-ion battery, 1 h operation time, exchangeable battery pack, 2 h charging time, power management with capacity indicator, protection class IPX8, for use with C-MAC® Video Laryngoscopes 8403 xxx including:

**C-MAC® POCKET MONITOR**
Battery, reusable
USB Data Cable

8403 ZXK **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-Ion 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 video endoscopes including:

**Protection Cap**
SD Card, 8 GB
VESA 75 Quick Clip
Mains Adaptor Set

8403 X **C-MAC® Connecting Cable**, with C-MAC® system interface, for C-MAC® Monitor 8403 ZX or C-HUB® II 20290301, length 200 cm, for use with C-MAC® Video Laryngoscopes 8403 xxx
CLICKline Single-Use Scissors – Simply Sharp!

The new single-use scissor inserts 34310 MA-D and 34310 MS-D can be combined with all reusable handles in the KARL STORZ CLICKLINE series, providing a practical solution for regular use or as a backup system.

Special Features:

- Scissor blades are always sharp, resulting in optimal cutting effect
- Inserts sterile-packed in individual blister packs and delivered in packages of 10 in a dispenser box
- Proven scissor blade designs
- Cost-effective solution: “Single-use meets reusable”
- Color coding allows clear identification of the single-use components
CLICKline Single-Use Scissors with Outer Sheath, size 5 mm, length 36 cm, sterile, for single-use

34310 MA-D  CLICKLINE Scissors Insert with Outer Sheath, curved, double action jaws, spoon-shaped jaws, length of blades 17 mm, sterile, for single use, package of 10

34310 MS-D  CLICKLINE METZENBAUM Scissors Insert with Outer Sheath, curved, double action jaws, length of blades 12 mm, sterile, for single use, package of 10

For use with reusable handles in the CLICKLINE series, e.g.

33151  CLICKLINE Plastic Handle, without ratchet, with larger contact area at the finger ring, rotating, insulated, with connector pin for unipolar coagulation

33149  CLICKLINE Plastic Handle, axial, without ratchet, double action shanks, rotating, insulated, with connector pin for unipolar coagulation

Further handles for combination with the single-use scissors can be found in the Laparoscopy catalog.
CLICKline Working Inserts for Single-Use

The new cost-efficient combination possibility for laparoscopy

A selection of CLICKLINE working inserts for single-use is also available now. These new CLICKLINE single-use working inserts can be combined with all KARL STORZ reusable handles and outer sheaths (length 36 cm, diameter 5 mm). Due to the modular CLICKLINE system, the user can individually assemble the desired instrument at any time.

Special Features:

- Selection of the most commonly used CLICKLINE working inserts for single-use
- Inserts sterile-packed in individual blister packs and delivered in packages of 10 in a dispenser box
- Diverse combination possibilities
- “Single-use meets reusable” – a cost-efficient solution for laparoscopy
CLICKline Working Inserts for Single-Use, size 5 mm, length 36 cm, sterile

- **33310 AF-S** CLICKLINE Forceps Insert, for grasping forceps, double action jaws, atraumatic, fenestrated, sterile, for single use, package of 10
- **33310 C-S** CLICKLINE Forceps Insert, for bowel grasper, double action jaws, fenestrated, sterile, for single use, package of 10
- **33310 CC-S** CLICKLINE Forceps Insert, for CROCE-OLMI grasping forceps, single action jaws, atraumatic, fenestrated, curved, sterile, for single use, package of 10
- **33310 CK-S** CLICKLINE Forceps Insert, for bowel grasper, double action jaws, length of jaws 18 mm, fenestrated, sterile, for single use, package of 10
- **33310 G-S** CLICKLINE Forceps Insert, for grasping forceps, double action jaws, 2 x 4 teeth, sterile, for single use, package of 10
- **33310 ME-S** CLICKLINE Forceps Insert, for MANHES grasping forceps, single action jaws, with multiple teeth, width of jaws 4.8 mm, for atraumatic and accurate grasping, sterile, for single use, package of 10
- **33310 MD-S** CLICKLINE Forceps Insert, for KELLY dissecting and grasping forceps, double action jaws, sterile, for single use, package of 10

Further reusable outer sheaths and handles for combination with CLICKLINE working inserts for single-use can be found in the Laparoscopy catalog.
CLICKline Working Inserts for Single-Use, size 5 mm, length 36 cm, sterile

33310 ON-S  **CLICKLINE Forceps Insert**, for grasping forceps, single action jaws, with especially fine atraumatic serration, fenestrated, sterile, for single use, package of 10

33310 ML-S  **CLICKLINE Forceps Insert**, for KELLY dissecting and grasping forceps, double action jaws, long, sterile, for single use, package of 10

34310 MA-S  **CLICKLINE Scissors Insert**, for scissors, double action jaws, spoon-shaped, sterile, for single use, package of 10

34310 MS-S  **CLICKLINE Scissors Insert**, for METZENBAUM scissors, double action jaws, curved, sterile, for single use, package of 10
For use with reusable outer sheaths from the CLICKLINE series, e.g.

33300 CLICKLINE Metal Outer Sheath, insulated, with LUER-Lock irrigation connector for cleaning

For use with reusable handles from the CLICKLINE series, e.g.

33151 CLICKLINE Plastic Handle, without ratchet, with larger contact area at the finger ring, rotating, insulated, with connector pin for unipolar coagulation

33149 CLICKLINE Plastic Handle, axial, without ratchet, double action shanks, rotating, insulated, with connector pin for unipolar coagulation

Further reusable outer sheaths and handles for combination with CLICKLINE working inserts for single-use can be found in the Laparoscopy catalog.
KARL STORZ Single-Use Stone Baskets

The ideal stone basket for each requirement

The numerous indications and methods of application in stone therapy require stone baskets with various properties — a challenge that KARL STORZ meets with its new product line of nitinol stone baskets. The highly flexible nitinol wires allow baskets to adapt very easily to difficult anatomies and are also gentle on the working channel of your instruments.
Nitinol stone baskets recommended for...

... rigid cystoscopy

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Form</th>
<th>Wires</th>
<th>Working length</th>
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<tbody>
<tr>
<td>27023 TH</td>
<td>5 Fr.</td>
<td>with tip, straight</td>
<td>4</td>
<td>90 cm</td>
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... flexible cystoscopy and percutaneous nephrolithotomy

<table>
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<td>27023 KF</td>
<td>3 Fr.</td>
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... semirigid uretero-renaloscopy

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<td>27023 TD</td>
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<td>120 cm</td>
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<td>27023 LD</td>
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<td>120 cm</td>
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<td>27023 TF</td>
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<td>120 cm</td>
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<tr>
<td>27023 LF</td>
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<td>120 cm</td>
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... flexible uretero-renaloscopy

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<th>Wires</th>
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<td>without tip, straight</td>
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Sterile Insufflation Tubing Sets with Single-Use Gas Filters for Safe Gas Insufflation

Summary of the quality features of KARL STORZ insufflation tubing sets with gas filter

- Sterile insufflation tubing sets with gas filter for single-use
- Approved and certified for insufflation
- Proven compatibility with KARL STORZ insufflation units
- Guaranteed compatibility with the high-flow capacities of KARL STORZ units
- Filter membrane hydrophobic on both sides
- Highest filter efficiency for bacteria and viruses
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>031210-10</td>
<td><strong>Insufflation Tubing Set with Gas Filter</strong>, length 300 cm, heatable, hydrophobic on both sides, sterile, for single use, package of 10, for use with ENDOFLATOR® 50</td>
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<tr>
<td>031200-10</td>
<td><strong>Insufflation Tubing Set with Gas Filter</strong>, length 300 cm, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 50 l/min, approved and tested accessory for KARL STORZ insufflation units</td>
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<tr>
<td>031222-10</td>
<td><strong>Insufflation Set with Gas Filter</strong>, length 320 cm, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 30 l/min (electronic ENDOFLATOR®, THERMOFLATOR®) including: 10x <strong>Gas Filter with Insufflation Tube</strong>, sterile <strong>Adaptor with Tube</strong></td>
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<tr>
<td>031622-10</td>
<td><strong>Insufflation Tubing Set with Gas Filter</strong>, length 400 cm, two patient-side tube connections, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 30 l/min (electronic ENDOFLATOR®, THERMOFLATOR®, ENDOFLATOR® 40 and ENDOFLATOR® 50)</td>
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<tr>
<td>031123-10</td>
<td><strong>Gas Filter</strong>, for fluid irrigation, with male Luer-Lock connector and female Luer-Lock connector, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 1 l/min, (HAMOU® MICRO HYSTEROFLATOR SCB)</td>
<td></td>
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</tbody>
</table>

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