C-MAC® S Video Laryngoscope and LARYNGOBLLOC Cold Light Laryngoscope
LARYNGOBLOC for direct laryngoscopy

C-MAC® S video laryngoscope for adults

C-MAC® S video laryngoscope for pediatrics

C-MAC® S IMAGER with POCKET MONITOR

C-MAC® S Pediatric IMAGER with POCKET MONITOR
A single-use solution for every application!

A leading company in the field of airway management, KARL STORZ now offers the new C-MAC® S product line that delivers excellent image quality while meeting the most stringent hygiene standards. The continuous integration of single-use products into the existing C-MAC® family has made it possible to create a unique airway management system for prehospital and clinical settings in anesthesiology and emergency medicine.

Whether for direct or indirect laryngoscopy – the single-use intubation endoscopes from KARL STORZ provide custom-fit solutions to everyday challenges.

The single-use LARYNGOBLOC cold light laryngoscope is an ideal tool for direct laryngoscopy. The Monoblock design ensures a high tensile strength and also drastically reduces the risk of cross-contamination as the handle can be discarded along with the laryngoscope blade. The LARYNGOBLOC is available in various standard sizes and shapes.

For video laryngoscopy, a wide range of single-use blades are available for both adults and children: MILLER 0 and 1, MACINTOSH 3 and 4 and the strongly curved D-BLADE. The latter was specially designed for the difficult airway and closes the gap between the MACINTOSH video laryngoscopes and flexible endoscopes. As a camera unit, the two new C-MAC® S IMAGER models form the interface to the C-MAC® monitor or C-MAC® PM and enable blades to be exchanged within seconds. The special C-MAC® S video laryngoscope design eliminates the need for the otherwise necessary transportation and reprocessing procedures as the blade can be discarded along with the handle after use. The C-MAC® S video laryngoscopes are extremely robust and delivered clean packed – ready for use.
The C-MAC® Monitor

The heart of the C-MAC® system

- System open to all C-MAC® components (forward and backward compatible)
- 7" TFT wide viewing angle display (160°) with improved image quality
- Rapid toggling between video sources – your “plan B” is already connected
- HDMI output for connection of an external monitor
- Documentation and display of images and videos in real time
- Easy data backup on USB flash drive for quality assurance
- Can be run while charging

3Ts* – essential for safe video laryngoscopy

- **TIP:** Display of the blade tip for better orientation
- **TARGET:** Improved view of the target structure (glottis)
- **TUBE:** Tube can be introduced without stylet

Operation within seconds thanks to indicative softkeys with dynamic menu navigation

- HDMI and USB connector
- Easy data backup from SD to USB
- Two video endoscopes can be connected simultaneously
- Toggle button for rapid switching between image sources

* Safe video laryngoscopy is only possible when the tip, target, and tube can be identified on the monitor.
The C-MAC® Pocket Monitor
The emergency tool for time-critical situations

- 3.5" OTI® (Open To Intubate) display with wide view angle (160°)
- High-contrast imaging even in bright daylight
- Universal C-MAC® system interface, tailored to your airway management
- Real-time documentation for quality assurance
- Exchangeable, rechargeable battery – always ready for use
- Completely watertight (IPX8)
- C-MAC® PM connecting cable allows optimal visualization coupled with a well-balanced C-MAC® video laryngoscope

OTI® (Open To Intubate) Display
- The video laryngoscopes are ready for immediate use after starting the monitor

Real-time documentation for quality assurance
- BlueButton enables images and videos to be recorded to internal memory and retrieved via the USB data cable

Intelligent Battery Management
- Uninterrupted readiness at no extra cost thanks to exchangeable and rechargeable battery

C-MAC® PM Connecting Cable
- The C-MAC® PM connecting cable enables flexible positioning of the monitor for difficult-to-access patients
The C-MAC® S Video Laryngoscope

The single-use video laryngoscope blades form a perfect symbiosis with the C-MAC® S IMAGER or C-MAC® S Pediatric IMAGER while meeting the highest hygiene standards.

- Blade and handle form one continuous piece: Risk of cross-contamination is drastically reduced
- Exchange of C-MAC® S video laryngoscopes within seconds
- BlueButton: Documentation via innovative multifunctional button
- Straightforward Plug & Play thanks to universal C-MAC® system interface
- Extremely safe and break-resistant C-MAC® S video laryngoscopes
The LARYNGOBLOC

The LARYNGOBLOC is a cold light laryngoscope for single use. Thanks to its monoblock design, it features very high tensile strength. The entire laryngoscope can be discarded along with the handle. The reusable LED battery insert included with the laryngoscope can be grasped with a protective cap and features extremely bright, white light. This enables optimal illumination of the oral cavity during direct laryngoscopy. The LARYNGOBLOC is available in various standard laryngoscope sizes and shapes as well as different handle types.

Special Features:

• Blade and handle are made from one piece so the instrument is more robust than conventional laryngoscopes for single use
• No disposal of environmentally critical materials after each application – only the LARYNGOBLOC including the protective cap requires disposal
• The risk of cross-contamination is greatly reduced as all contaminated parts can be replaced
• Available in five sizes and two laryngoscope shapes (MACINTOSH, MILLER) as well as three handle types (standard, slimline and short)

MACINTOSH LARYNGOBLOC

8512 AF
8512 ASF

MILLER LARYNGOBLOC

8530 B
8530 DN
8530 DS
LARYNGOBLOC Overview

<table>
<thead>
<tr>
<th>Blade Shape</th>
<th>MACINTOSH LARYNGOBLOC</th>
<th>MILLER LARYNGOBLOC</th>
<th>LED Battery Insert</th>
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<tr>
<td>Size</td>
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<td>3 2 1 0</td>
<td></td>
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<tr>
<td>Standard</td>
<td>8512 AF 8512 BF 8512 C</td>
<td>8530 B 8530 C</td>
<td>- - 8547 HL</td>
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<td>Slimline</td>
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<td>- - 8530 DN 8530 EN</td>
<td>8547 HN</td>
</tr>
<tr>
<td>Short</td>
<td>8512 ASF 8512 BSF 8512 CS</td>
<td>- - 8530 DS 8530 ES</td>
<td>8547 HS</td>
</tr>
</tbody>
</table>

Before use

LED battery insert is placed in the LARYNGOBLOC

Close off the upper part of the LED battery insert with the protective cap to prevent contamination

After use

After use, hold the protective cap firmly in order to remove the LED battery insert from the laryngoscope without contamination. The light source switches off.

Reprocessing the battery insert:
The battery insert is suitable for manual cleaning and disinfection (wipe disinfection)
Instruments

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
- VESA 75 Quick Clip
- Mains Adaptor Set

8403 X  **C-MAC® Connecting Cable**, with C-MAC® system interface, for C-MAC® Monitor 8403 ZXK or C-HUB® II 20290301, length 200 cm, for use with C-MAC® Video Laryngoscopes 8403 xxx

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:

- Battery, rechargeable
- USB Data Cable

8403 XDP  **C-MAC® PM Connecting Cable**, for the transmission of digital signals from C-MAC® PM 8403 XD to C-MAC® Video Laryngoscopes 8403 xxx (C-MAC® system interface), length 50 cm
8403 XDL  **Charging Unit**, for one rechargeable battery for the 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

8403 XDD  **USB Data Cable**, USB 2.0 port, for data transfer from C-MAC® PM 8403 XD to a computer, length 200 cm

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 20 2903 01 and single-use C-MAC® S Video Laryngoscopes 051113-10, 051114-10, 051116-10

8403 XSPK  **C-MAC® S Pediatric IMAGER, Set**, 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 20 2903 01 and single-use C-MAC® S Video Laryngoscopes 051110-10, 051111-10 including:

- Pressure Compensation Cap
- Leakage Tester
051113-10* 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

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

051110-10* C-MAC® S Video Laryngoscope MIL #0, for single use, package of 10, for use with KARL STORZ C-MAC® S Pediatric IMAGER 8403 XSP
8512 AF  MACINTOSH LARYNGOBLOC, size 4, material: polypropylene, handle and blade in one piece, standard handle, clean packed, for single use, package of 20, for use with LED Battery Insert 8547 HL

8512 ASF  Same, short handle, for use with LED Battery Insert 8547 HS

8512 BF  MACINTOSH LARYNGOBLOC, size 3, material: polypropylene, handle and blade in one piece, standard handle, clean packed, for single use, package of 20, for use with LED Battery Insert 8547 HL

8512 BSF  Same, short handle, for use with LED Battery Insert 8547 HS

8512 C  MACINTOSH LARYNGOBLOC, size 2, material: polypropylene, handle and blade in one piece, standard handle, clean packed, for single use, package of 20, for use with LED Battery Insert 8547 HL

8512 CS  Same, short handle, for use with LED Battery Insert 8547 HS
8530 B  MILLER LARYNGOBLOC, size 3, material: polypropylene, handle and blade in one piece, standard handle, clean packed, for single use, package of 20, for use with LED Battery Insert 8547 HL

8530 C  MILLER LARYNGOBLOC, size 2, material: polypropylene, handle and blade in one piece, standard handle, clean packed, for single use, package of 20, for use with LED Battery Insert 8547 HL

8530 DN  MILLER LARYNGOBLOC, size 1, material: polypropylene, handle and blade in one piece, slender handle, clean packed, for single use, package of 20, for use with LED Battery Insert 8547 HN

8530 EN  MILLER LARYNGOBLOC, size 0, material: polypropylene, handle and blade in one piece, slender handle, clean packed, for single use, package of 20, for use with LED Battery Insert 8547 HN

8547 HL  LED Battery Insert, standard, reusable, for LARYNGOBLOC with standard handle, with 2 batteries LR06-1.5V AA, for use with MACINTOSH LARYNGOBLOC 8512 A/B/C, MILLER LARYNGOBLOC 8530 D/E and Battery 121306

8547 HN  LED Battery Insert, slimline, reusable, for LARYNGOBLOC with slender handle, with 2 batteries LR 06-1.5V AA, for use with slender MILLER LARYNGOBLOC 8530 DN/EN and Battery 121306 KS

8547 HS  LED Battery Insert, short, reusable, for LARYNGOBLOC with short handle, with 1 battery LR06-1.5V AA, for use with short MACINTOSH LARYNGOBLOC 8512 AS/BS/CS, short MILLER LARYNGOBLOC 8530 DS/ES and Battery 121306 KS
It is recommended to check the suitability of the product for the intended procedure prior to use.