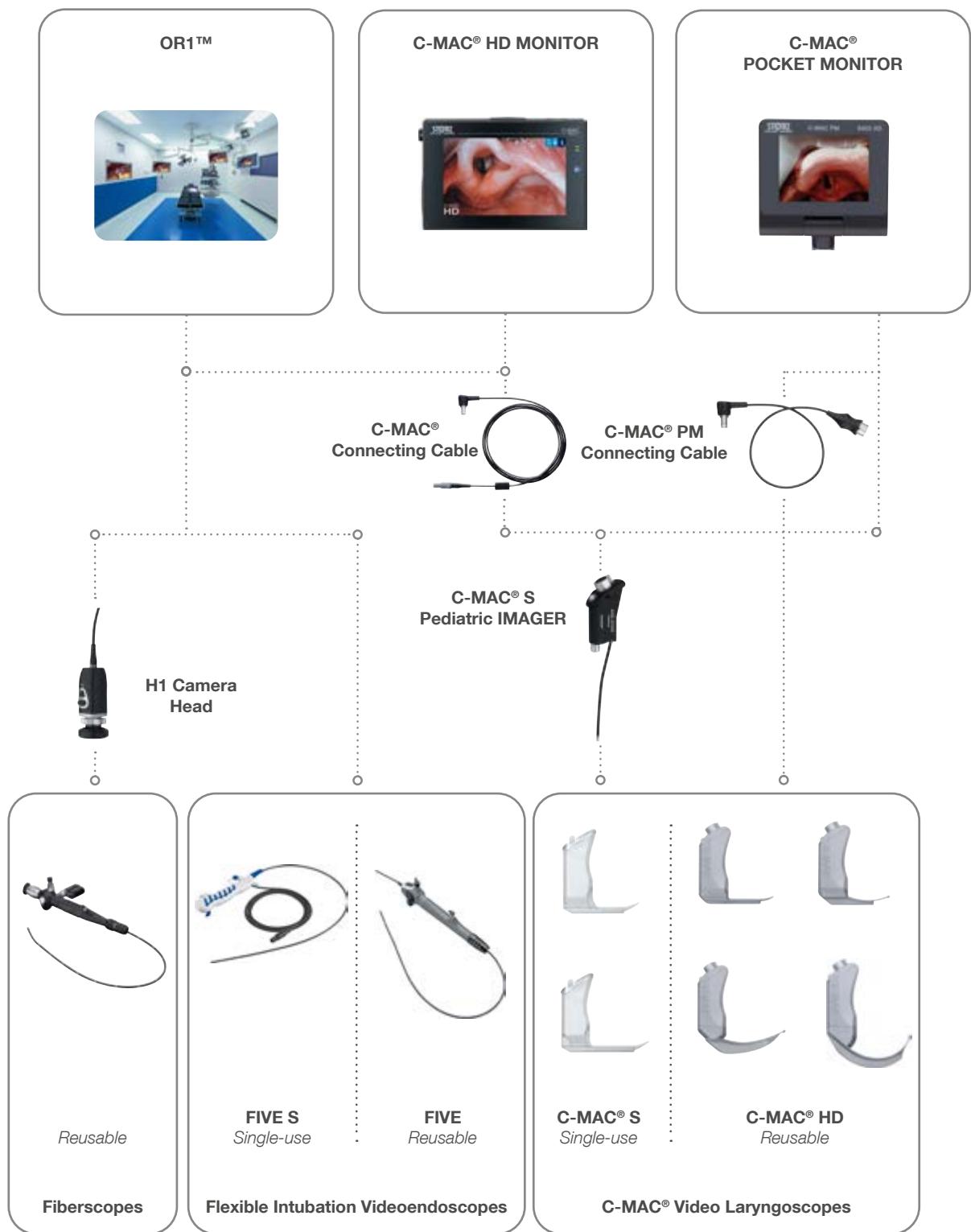


C-MAC® for Neonatology and Pediatrics

The premium class for pediatric airway management



The C-MAC® system – We understand airway management!



When you are looking for solutions that fit ...

Children are not small adults. Anatomical and physiological differences between infants, children and adults make even the normal pediatric airway difficult for the inexperienced intubator. So adequate experience as well as the right instrument is needed for airway management in the pediatric population.

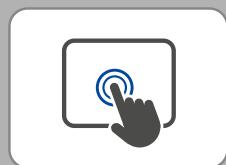
The C-MAC® HD series from KARL STORZ, a pioneer in the field of airway management, provides a custom-fit solution that meets stringent demands in pediatrics and neonatology. The continuous expansion of the product portfolio and the realization of a universal C-MAC® system interface supports the system approach of the HD line. In the field of pediatrics, this also leads to a fully flexible intubation platform for anesthesiology and emergency medicine in the clinical setting.

No matter if it is a routine, anticipated difficult, or unanticipated difficult intubation – the intubation instruments from KARL STORZ offer the right solution to the daily challenges encountered in airway management. Six different blades are now available for video laryngoscopy in pediatrics and neonatology: MILLER 0, 1 and 2, MACINTOSH 0 and 2 as well as the D-BLADE Ped. The latter was especially designed for managing difficult airways in children and closes the gap between MACINTOSH video laryngoscopes and flexible endoscopes.

The C-MAC® HD MONITOR, which allows the simultaneous connection of two endoscopes at the same time, offers the possibility to plan and execute intubation with a single system.

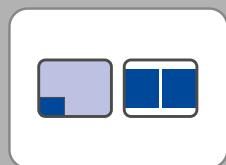


The C-MAC® HD MONITOR: The Heart of the



CMACTouch

Interactive FULL HD touch screen that can also be used while wearing gloves



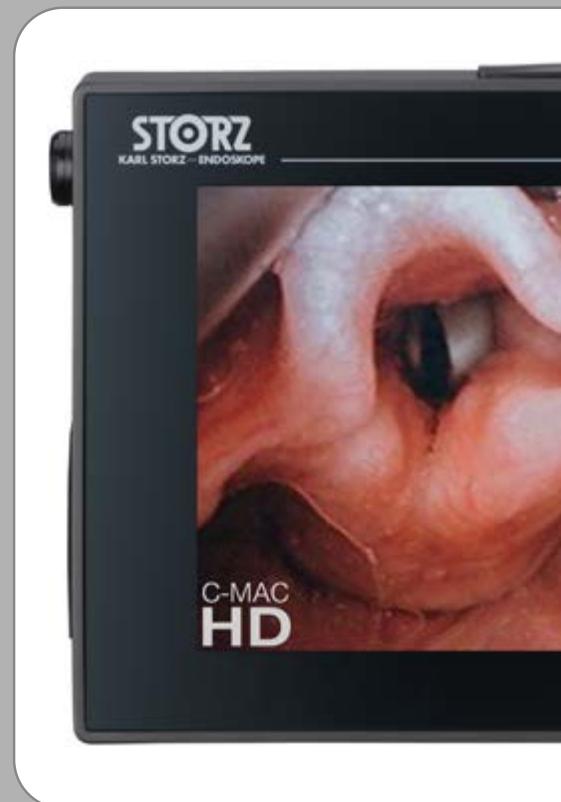
CMACdual

Picture-in-Picture & Side-by-Side modes



CMACmic

Integrated microphone allows audio comments to be added to your videos



* With the C-MAC® HD MONITOR, when the Time Machine mode video sequence is automatically saved before actuation.

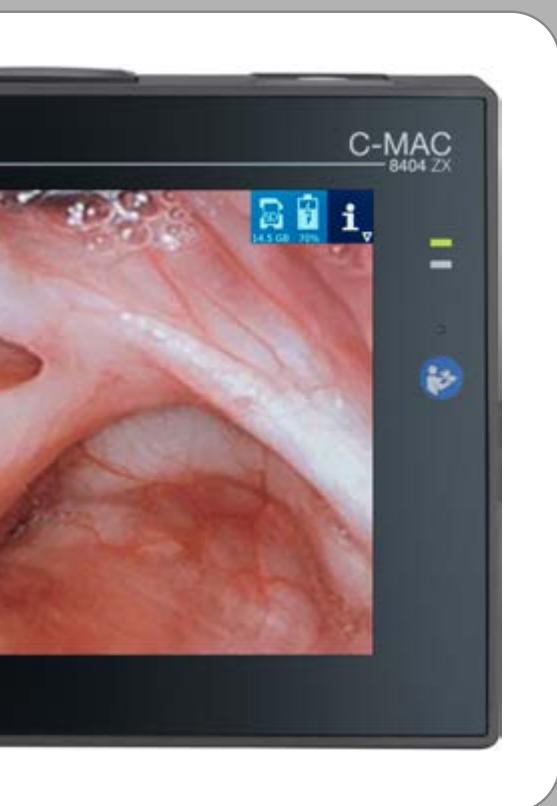
C-MAC® HD Video Laryngoscopes



C-MAC® S Video Laryngoscopes

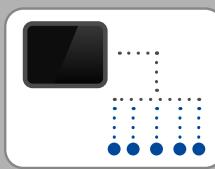


C-MAC® System



CMARec

Choice between Click-to-Record, Auto-Record or Time-Machine mode



CMAsolution

Increased diversity of visualization through maximum flexibility of single-use and reusable products



CMACtimer

Timer for documenting intubation time for the purposes of training or studying

is activated and the recording button is pressed, 60 seconds of a

FIVE S (single-use)



Intubation Fiberscopes

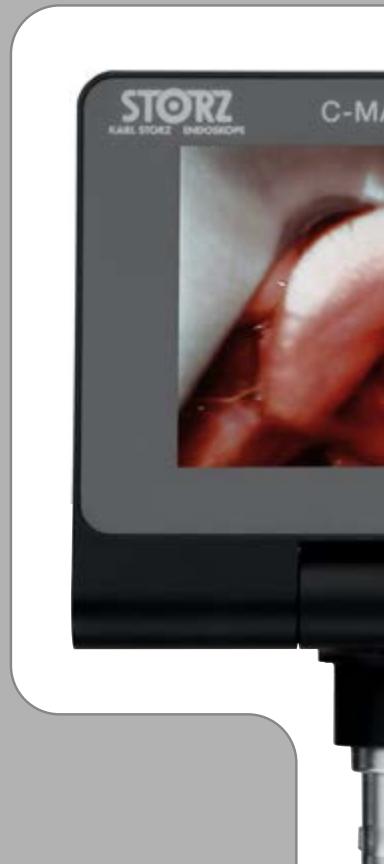


Flexible Intubation Videoendoscopes



The C-MAC® POCKET MONITOR: The Emergency Room's Best Friend

- 3.5" OTI® (Open To Intubate) display with wide viewing angle (160°)
- Universal C-MAC® system interface, tailored to your airway management solutions from KARL STORZ
- High-contrast image even in bright daylight
- Real-time documentation for quality assurance
- Exchangeable, reusable lithium-ion battery – operation time approx. 60 min with capacity indicator in the monitor, uninterrupted readiness
- Completely watertight (IPX8)
- Additional standard: RTCA/DO-160G
- Flexible positioning of the monitor for the intubation of difficult-to-access patients



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



Efficiency Tool for Time-critical Situations

C-MAC® HD
CHOICE CHANGES EVERYTHING



C-MAC® HD Video Laryngoscopes

Standard MACINTOSH and MILLER video laryngoscopes for the safe intubation of infants and children

D-BLADE Ped. with strong curvature for the difficult airway



C-MAC® S Video Laryngoscopes

Single-use video laryngoscopes for optimal protection against cross-contamination

Exchangeable, reusable lithium-ion battery

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 under cramped conditions



The C-MAC® HD Video Laryngoscope for Pediatrics

C-MAC® HD
CHOICE CHANGES EVERYTHING

Wide selection for small patients

- We raise your standards – visualization of intubation in HD (800p)*
- Lighter, better impact-resistance, more robust – the TITANIUM handle
- When seconds count – plug & play with C-MAC® HD
- BlueButton for real-time documentation in HD*
- Added safety thanks to the improved design of the lens mount
- Can be combined with 3rd and 4th generation C-MAC® monitors
- Protect yourself and others – maintain your distance with C-MAC® HD Video Laryngoscopes

* only in conjunction with C-MAC® HD MONITOR 8404ZXK

C-MAC® MACINTOSH #2 and #0



C-MAC® MILLER #2, #1 and #0



C-MAC® D-BLADE Ped.



The C-MAC® S System for Pediatrics

The solution with single-use video laryngoscope blades



The pediatric single-use video laryngoscope blades form a perfect symbiosis with the C-MAC® S Pediatric IMAGER and are designed to reach the highest hygiene standards.

- Blade and handle form one continuous piece: Minimizes risk of cross-contamination
- Exchange of C-MAC® S Video Laryngoscopes within seconds
- BlueButton: Documentation via innovative multifunctional button
- Straightforward Plug & Play thanks to the universal C-MAC® system interface
- For direct and indirect laryngoscopy with MILLER laryngoscope blades

C-MAC® S Pediatric IMAGER



Top view:
C-MAC® system interface

C-MAC® S MILLER #1 and #0



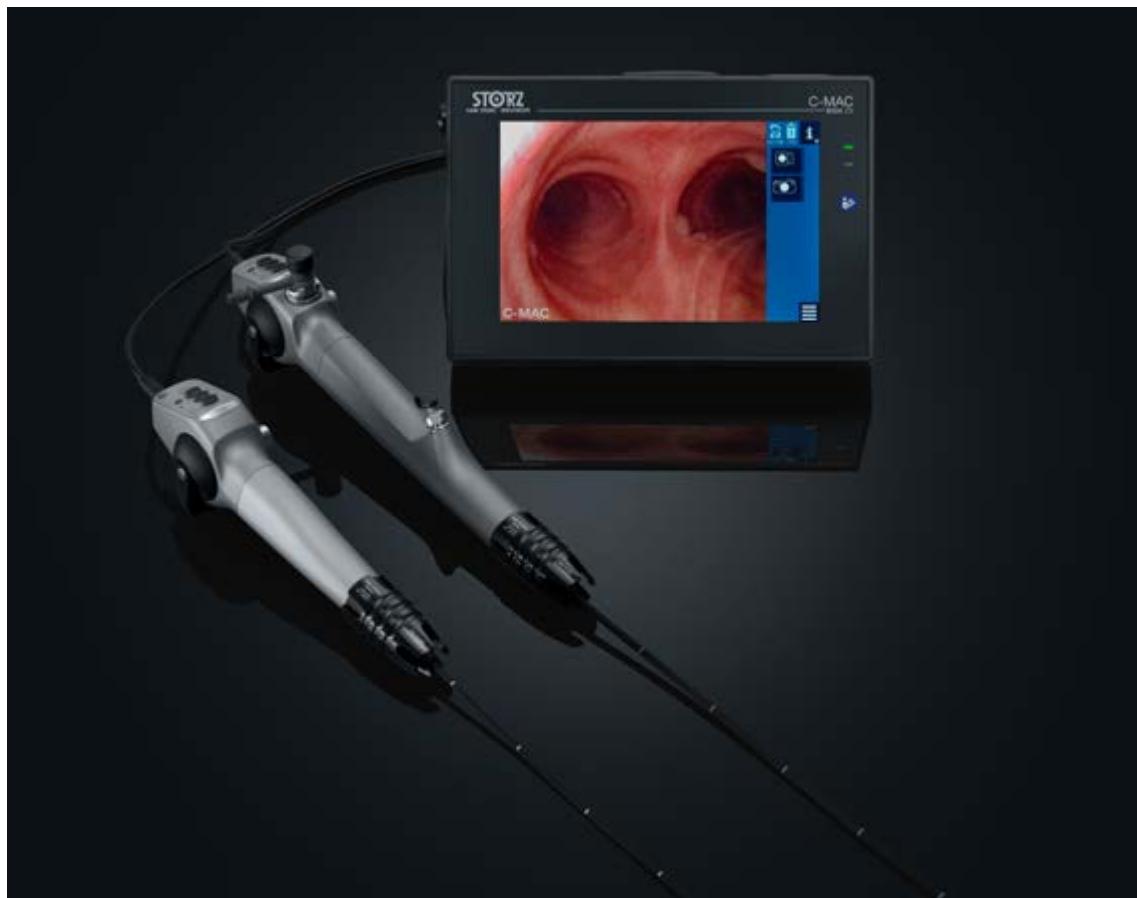
The Gold Standard: The C-MAC® FIVE for the Anticipated Difficult Airway

Fine, fast, focused – the new visualization in flexible intubation

With the 3.0 x 51.5 and 4.0 x 65 flexible intubation videoendoscopes (FIVE), KARL STORZ once again sets a new direction in airway management. Similar to the C-MAC® HD Video Laryngoscopes, the FIVEs deliver clear, pixel-free images without a Moiré effect.

The flexible intubation videoendoscopes are directly connected to the C-MAC® HD MONITOR. This allows you to switch to the video laryngoscope very rapidly whenever necessary.

- Compatible with the C-MAC® HD MONITOR
- Compact design and ergonomic handle shape
- Checks positioning of double lumen tubes (DLT)
- For airway inspection
- Practical tube fixation thanks to the special tube holder
- High image resolution and 4:3 video format
- Integrated LED light source

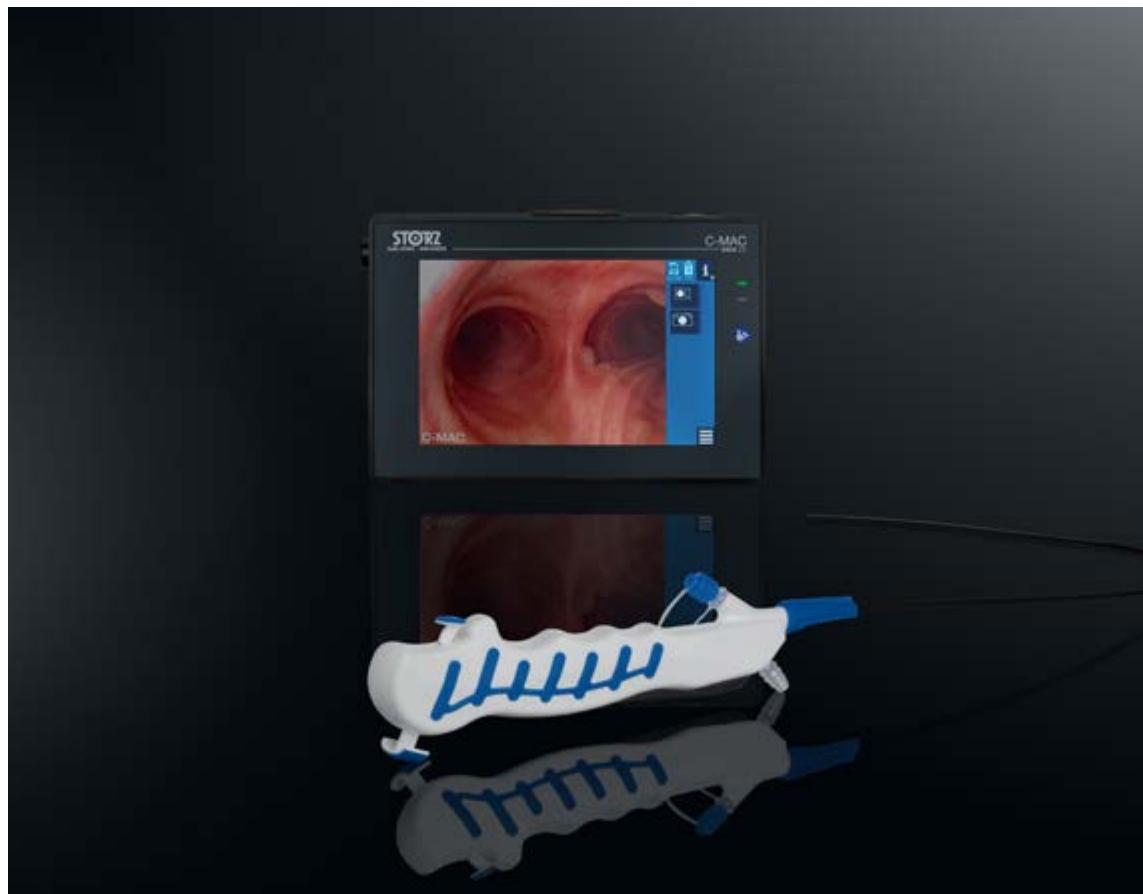


The C-MAC® FIVE S

Choice changes everything!

Although this endoscope is designed for single use, you can expect the same standards as you would from any other endoscope from KARL STORZ. With respect to sheath stiffness, precise deflection and image quality in particular, we applied the quality standards of our reusable FIVE to the FIVE S.

- Be inspired by our image quality and combine our reusable FIVE with our FIVE S single-use endoscopes
- Very good maneuverability, thanks to the special sheath design with additional rigidity, tailored to your indications in airway management
- Perform suction at the touch of a button with a working channel diameter of 1.2 mm
- Let yourself be impressed with the practical tube fixation on the handle and the good gliding properties when withdrawing the endotracheal tube
- Enhance your workflow flexibility and efficiency and benefit from permanent product availability without complex reprocessing cycles thanks to our sterile packaging



Accessories: Little things that make work easier

We do not stop working when our products are finished – because we want to make life easier for you...

How are flexible fiberscopes and rigid eyepiece endoscopes connected to the monitor?

With the H1 camera head.



How can you remove foreign bodies from the oropharynx quickly and easily?

With the modified MAGILL forceps for children.

How do you store your instruments?

In addition to the C-MAC® Protective Bag and the well-organized C-MAC® PM bag, we can also offer airway management solutions.



We offer airway management solutions on wheels.



Instrument Set



8404ZXK

C-MAC® HD MONITOR for CMOS Endoscopes, screen size 8" with 1920 x 1200 pixel resolution, two camera inputs, a USB and a HDMI port, optimized user interface via touch screen, video and image capturing 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 compatible CMOS videoendoscopes including:

8404ZX **C-MAC® HD MONITOR**

8401YSD **SD Card Ultra**, 16 GB

8403YZ **Protection Cap**

8401YCA **VESA 75 Quick Clip**



8403X

C-MAC® Connecting Cable, with C-MAC® system interface, length 200 cm, for use with C-MAC® MONITOR 8403ZXK/8404ZXK, C-HUB II 20290301 and C-MAC® Video Laryngoscope series 8403/8404



8403XA

C-MAC® Extension Cable, for the transmission of analog and digital signals, dustproof according to IP50 standards (not waterproof), length 200 cm, for use with C-MAC® MONITOR 8403ZXK/8404ZXK and C-HUB II 20290301 in conjunction with all endoscopes of the KARL STORZ Office Line (8-pin instruments)



8403XDK

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 8403/8404 including:

Battery, rechargeable

USB Data Cable

Protection Cap, for reprocessing



8403XDP

C-MAC® PM Connecting Cable, to maximize the distance between the C-MAC® POCKET MONITOR and C-MAC® Video Laryngoscopes, with C-MAC® system interface, length 50 cm



8403XDL

Charging Unit, for one rechargeable Battery 8403XDA for C-MAC® POCKET MONITOR 8403XD, 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



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



8403XDD

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



11301ABXK	Flexible Intubation Videoendoscope 3.0 x 51.5, Set, CMOS technology, for use with C-MAC® Monitor 8403ZXK/8404ZXK
Deflection up/down:	140°/140°
Direction of view:	0°
Angle of view:	100°
Working length:	51.5 cm
Total length:	72 cm
Distal tip outer diameter:	2.85 mm



11302BDXK	Flexible Intubation Videoendoscope 4.0 x 65, Set, CMOS technology, with suction valve, for use with C-MAC® MONITOR 8403ZXK/8404ZXK
Deflection up/down:	140°/140°
Direction of view:	0°
Angle of view:	100°
Working length:	65 cm
Total length:	93 cm
Working channel	
inner diameter:	1.5 mm
Distal tip outer diameter:	4.0 mm



091361-06	Flexible Intubation Videoendoscope 3.5 x 65, sterile, for single use, package of 6, for use with C-MAC® MONITOR 8403ZXK (with E-BOX TP012) and C-MAC® HD MONITOR 8404ZXK
Deflection up/down:	180°/180°
Direction of view:	0°
Angle of view:	90°
Working length:	65 cm
Working channel	
inner diameter:	1.2 mm
Distal tip outer diameter:	3.5 mm



TP012

E-BOX, for flexible videoendoscopes (8-pin) for single use,
compatible with C-MAC® MONITOR 8403ZXK



8404DXC

C-MAC® HD Video Laryngoscope MIL #0,

CMOS technology, with MILLER 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/8404ZXK and C-MAC® PM 8403XDK



8404GXC

C-MAC® HD 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/8404ZXK and C-MAC® PM 8403XDK



8404MXC

C-MAC® HD Video Laryngoscope MIL #2,

CMOS technology, with MILLER 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/8404ZXK and C-MAC® PM 8403XDK



8404EXC

C-MAC® HD Video Laryngoscope MAC #0,

CMOS technology, with MACINTOSH laryngoscope blade, size 0, with C-MAC® system interface, documentation of images and video sequences via BlueButton, for use with C-MAC® Connecting Cable 8403X for C-MAC® MONITOR 8403ZXK/8404ZXK and C-MAC® PM 8403XDK



8404KXC

C-MAC® HD Video Laryngoscope MAC #2,

CMOS technology, with MACINTOSH laryngoscope blade, size 2, with C-MAC® system interface, documentation of images and video sequences via BlueButton, for use with C-MAC® Connecting Cable 8403X for C-MAC® MONITOR 8403ZXK/8404ZXK and C-MAC® PM 8403XDK



8404HXP

C-MAC® HD 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 BlueButton, for use with C-MAC® Connecting Cable 8403X for C-MAC® MONITOR 8403ZXK/8404ZXK and C-MAC® PM 8403XDK



8403XSPK

C-MAC® S Pediatric IMAGER, Set, with C-MAC® system interface, suitable for manual and mechanical disinfection up to 65 °C and High-Level Disinfection (HLD) acc. to US standards, including Pressure Compensation Cap 11025E and Leakage Tester 13242XL, for use with C-MAC® Connecting Cable 8403X, C-MAC® MONITOR 8403ZXK/8404ZXK, C-MAC® PM 8403XD and single-use C-MAC® S Video Laryngoscopes 051110-10, 051111-10



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 8403XSP



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 8403XSP





- 809120 **MAGILL Forceps**, for children, modified, length 20 cm, for the endoscopic removal of foreign bodies, for use with video laryngoscopes of sizes 1 and 2



- TH130 **H1 Camera Head**, one-chip HD camera head, progressive scan, low-temperature sterilization, focal length $f = 19$ mm, 2 programmable camera head buttons in combination with TELE PACK+ or TELECAM C3, for use with TELE PACK+ TP101, TELECAM C3 TC100, C-HUB® II 20290320 and C-MAC® MONITOR for CMOS Endoscope
8403ZXK/8404ZXK



- 8404YD **Protective Bag**, blue, for the C-MAC® system, made of water-resistant and sturdy material, washable, bag contains separate compartments for the monitor and three C-MAC® Video Laryngoscopes, for use with C-MAC® MONITOR 8404ZXK, C-MAC® Video Laryngoscope series 8403/8404



- 8403YE **Bag for Intubation Set -C22-**, ULM model, made of water-resistant and sturdy material, washable, bag contains two compartments with several holding possibilities for C-MAC® Video Laryngoscopes with C-MAC® PM and for conventional laryngoscopes, for use with C-MAC® POCKET MONITOR 8403XDK, C-MAC® Video Laryngoscope series 8403/8404 and conventional laryngoscopes



- 8403YES **Bag for C-MAC® PM and IMAGER**, made of water-resistant and sturdy material, washable, bag with holding possibilities for C-MAC® PM and C-MAC® S IMAGER as well as the C-MAC® S Pediatric IMAGER, for use with C-MAC® PM 8403XDK, C-MAC® S IMAGER 8403XS/8403XSI and C-MAC® S Pediatric IMAGER 8403XSPK



UG120

Equipment Cart, narrow, high, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, energy beam with integrated electrical subdistributors with 12 sockets, grounding plugs, dimensions in mm (w x h x d):
Equipment cart: 660 x 1474 x 730 mm
Shelf: 450 x 25 x 510 mm (w x h x d),
Caster diameter: 150 mm
including:
Base Module, equipment cart, narrow
Cover, equipment cart, narrow
Beam Package, equipment cart, high
3x **Shelf**, narrow
Drawer Unit with Lock, narrow
2x **Equipment Rail**, long
Camera Holder
2x **Mains Cord**, length 100 cm



UG110

Equipment Cart, narrow, small, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, energy beam with integrated electrical subdistributors with 6 sockets, grounding plugs, dimensions in mm (w x h x d):
Equipment Cart: 660 x 1265 x 730
Shelf: 450 x 25 x 510
Caster diameter: 150 mm
including:
Base Module, equipment cart, narrow
Cover, equipment cart, narrow
Beam Package, equipment cart, small
2x **Shelf**, narrow
Drawer Unit with Lock, narrow
2x **Equipment Rail**, long
Camera Holder
5x **Mains Cord**, length 100 cm



8404YA*

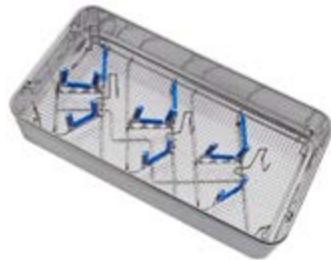
Rolling Stand, for C-MAC® monitor, height 1340 cm, with five antistatic castors, cross tube connection and crossbar 250 mm, diameter 25 mm, for positioning the monitor, storage tray dimensions (w x d x h): 300 x 200 x 150 mm, with blade holder and cable winder, for use with ET11-367224 Crossbar 500 mm and ET11-367154 Crossbar 700 mm

* Please note: The instruments displayed are not delivered with the stand.



8404AKH

Wire Tray, including blade holder for C-MAC® and cable winder, for use with standard rails
10 x 25 mm,
including:
Wire Tray
Blade Holder for C-MAC®
Cable Winder



39501LC3

Wire Tray, for the cleaning, sterilization and storage of three C-MAC® Video Laryngoscope blades, with silicone holders and lid, external dimensions (w x d x h):
480 x 250 x 105 mm



11301BC

ProShield Protection Tube, for flexible telescopes, unsterile, for single use, package of 10, distal closed, for use with Holder for Flexible Endoscopes 29005IFH

8404IFH

Holder for Flexible Endoscopes, for mounting on round profiles, including installation accessories



UG914

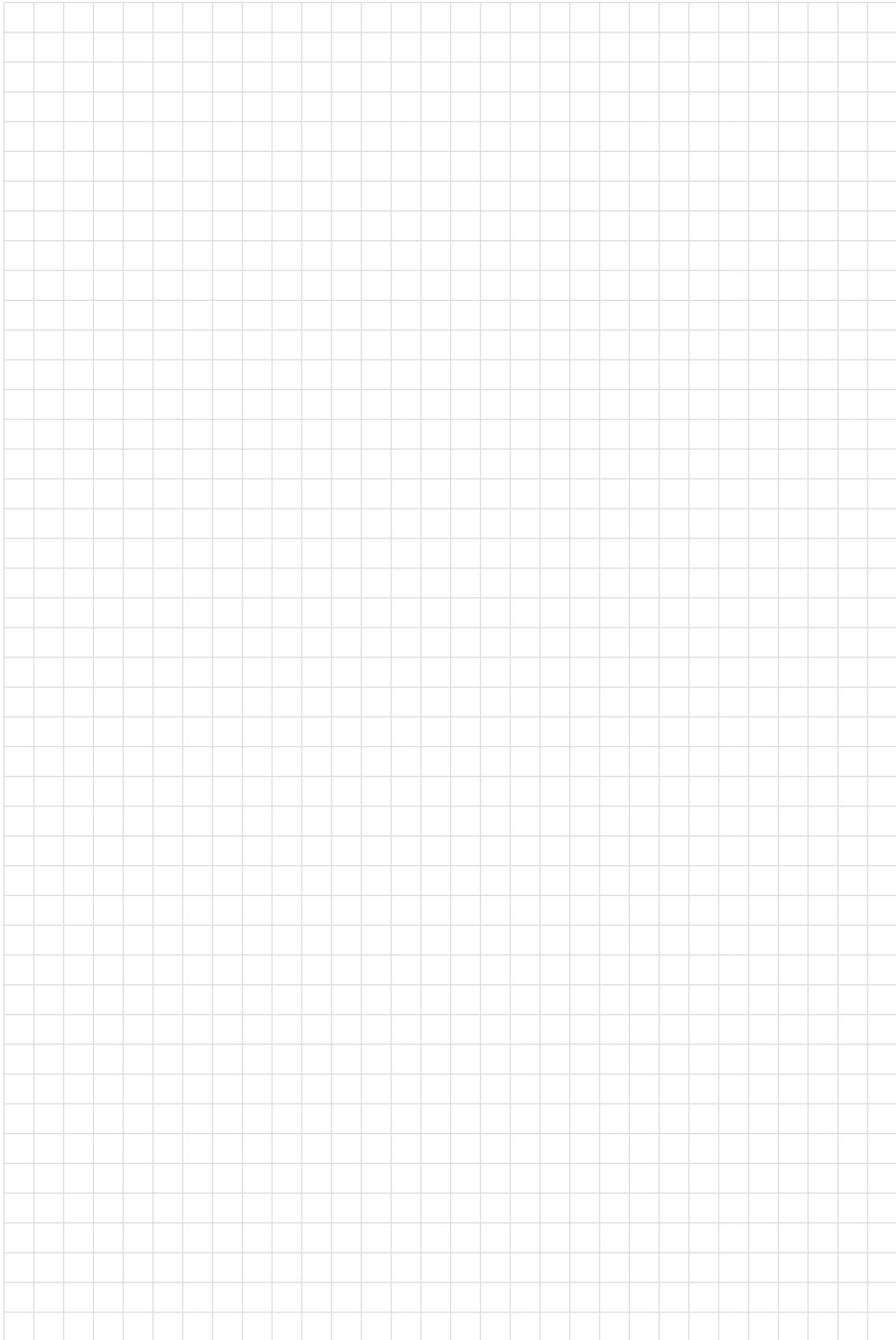
COR Airway Mobile Stand, high, rides on 4 antistatic dual wheels, with locking brakes, high beam module, incl. cable manager and handle, including:
Subrack, COR mobile stand, high
Top Cover Monitor Holder, COR mobile stand
Equipment Rail, COR mobile stand
Stainless Steel Tube, COR mobile stand, length 400 mm
Monitor Module, COR mobile stand
Drawer, wide, COR mobile stand



UG915

COR C-MAC® Mobile Stand, high, rides on 4 antistatic dual wheels, with locking brakes, high beam module, incl. cable manager, handle, including:
Subrack, COR mobile stand, high
Top Cover Monitor Holder, COR mobile stand
Equipment Rail, COR mobile stand
Drawer, wide, COR mobile stand
Stainless Steel Tube, COR mobile stand, length 400 mm
Cross Tube Adaptor
Stainless Steel Round Pipe, length 250 mm

Notes



Scanning the QR code allows you to access the online catalog:



Not all products listed in this document are certified according to Directive 93/42/EEC or Regulation 2017/745/EU on medical devices. For this reason, some products that require certification according to this directive/regulation may not be available in these countries.

It is recommended to check the suitability of the product for the intended procedure prior to use.
Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.

More than
75
Years

*Shaping the Future
of Endoscopy with you*



THE DIAMOND STANDARD

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