

Highlights 2020

Urology





The Flexible Video Cystoscope HD-VIEW™

High Performance by **D**efinition

The flexible cystoscope is able to meet increasing demands on image quality in flexible cystoscopy as well as percutaneous applications. In addition, the new suction valve provides an effective method for rapid emptying of the bladder. The distal tip has been redesigned to enable easier insertion.

- Noticeably higher resolution thanks to camera chip in high definition
- Integrated LED technology with automatic exposure
- Suction valve for rapid bladder evacuation
- Atraumatically shaped 10.9 Fr. tip
- 7 Fr. working channel
- Detachable LUER port for easier reprocessing

Further information on the KARL STORZ product portfolio is available in the Urology catalog.

Flexible Video Cystoscope

11272VHK **Flexible Video Cystoscope HD-VIEW™, Set**, with positive deflection mechanism, with suction channel and integrated light source, deflection of distal tip 210°/140°, direction of view 0°, angle of view 100°, working channel inner diameter 7 Fr., sheath size 16 Fr., working channel 37 cm, for use with IIMAGE1 S™ including:

LUER Port with Two Stopcocks

Cleaning Adaptor, for working channel

Seal with Drill Hole, for working channel and connector

Irrigation Adaptor


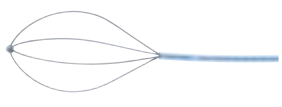





Case

Leakage Tester

Pressure Compensation Cap

11272VHUK **Same**, with contrapositive deflection mechanism, with Double LUER Port 11014LU

Optional Accessories

		Reusable	For single use 
	Stone Basket , nitinol, STERILE without tip, straight, 3 Fr., length 70 cm, 4 wires, basket diameter 12 mm, sterile, for single use	–	27023KF
	Coagulation Electrode , unipolar, 4 Fr., length 73 cm	27723T	–
	LUER Port with Two Stopcocks , attachment to working channel, for the connection of irrigation tubing and the insertion of instruments	11014L	–
	Double LUER Port , attachment to working channel, for the connection of irrigation tubing and the insertion of instruments	11014LU	–
	Suction Valve , for use with Flexible Video Cystoscopes 11272VH/VHU	11301CB1	11301CE1
	Cleaning Brush , with double-sided brush, length 90 cm, brush diameter 2.6 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2-2.3 mm	–	110940-50



The New Flexible Video-Cystoscope C-VIEW®

Flexible application redefined

From outpatient settings to the intensive care unit through to the endourological operating room, the new flexible C-VIEW® cystoscope covers various application scenarios in flexible cystoscopy. Additionally, the C-VIEW® in combination with the C-MAC® monitor, provides a mobile solution for cystoscopy.

- **No** separate light source, **no** light cable and **no** camera head required: Digital complete system with CMOS-chip technology and integrated LED illumination
- **Easier insertion** in the urethra due to atraumatically shaped tip
- **Expanded configuration and documentation possibilities:**
For connection to C-HUB® II, C-MAC® or TELE PACK + for documentation and data management

11272VEK **CMOS Video Cysto-Urethroscope C-VIEW® KIT**, steerable, working channel inner diameter 7 Fr., direction of view 0°, angle of view 100°, sheath size 15.6 Fr., working length 37 cm including:

Case

Grasping Forceps

Biopsy Forceps

Pressure Compensation Cap

Leakage Tester

Cleaning Brush

LUER-Adaptor

11272VUEK **Same**, with contrapositive deflection



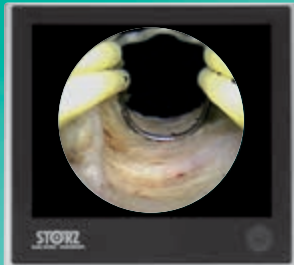
Bipolar Treatment Concepts from KARL STORZ

The new bipolar concept from KARL STORZ offers an economical solution for treatment methods (bipolar resection, enucleation, vaporization and en-bloc resection) through a simple selection of dedicated electrodes.

The system is supported by the KARL STORZ HF Generator AUTOCON® III 400. The performance of bipolar applications has thus been further enhanced and optimized.

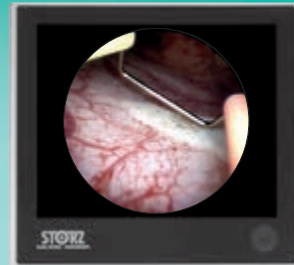
The KARL STORZ product portfolio includes loops for resection, incision, en-bloc resection as well as vaporization and enucleation electrodes for the prostate and bladder.

KARL STORZ provides a modern, adaptive morcellator system for enucleation that enables the removal of prostate tissue from the bladder.



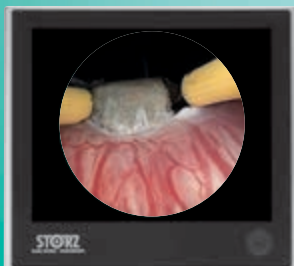
Bipolar Standard TUR-P

e.g. prostate 30-80 ml
Standard procedure for prostate resection



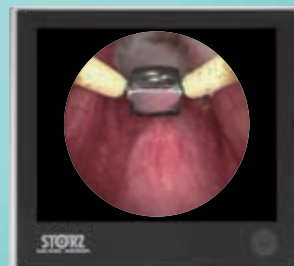
Bipolar En-Bloc Resection

Enhanced TUR-B
Thanks to new bipolar loops



Bipolar Vaporization

e.g. prostate < 30 ml
Cost-efficient alternative to laser vaporization



Bipolar Enucleation

e.g. prostate > 80 ml
Comparable efficiency to laser enucleation

Special features of the transurethral treatment concept

- Various techniques can be performed with a bipolar working element by selecting the appropriate electrode
- Real bipolar system: No current backflow via the sheath
- HF current regulation with the new AUTOCON® III 400 HF generator
- Regulated current flow: Minimal tissue penetration; reduced obturator nerve stimulation
- A generator for all techniques: Bipolar vaporization, enucleation and standard TUR

HOPKINS® Telescopes

- 27005BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 27005FA **HOPKINS® Telescope 12°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black

Working Elements

- 27040EB **Working Element**, bipolar
Passive (cutting by means of a spring), movable thumb support.
In rest position the electrode tip is inside the sheath.
- 27040DB **Working Element**, bipolar
Active (cutting by means of a finger grip), movable thumb support.
In rest position the electrode tip is outside the sheath.

Resectoscope Sheaths

- 27050SCK **Resectoscope Sheath**, quick-release lock, including connecting tube for in- and outflow, 26 Fr., oblique beak, **rotating** inner sheath with ceramic insulation, color code: yellow
- 27040BOK **Resectoscope Sheath**, with LUER-Lock stopcock and obturator, including connecting tube for inflow, 24 Fr., oblique beak, Obturator 27040OC included in delivery, color code: yellow
- 27241BOK **Resectoscope Sheath**, with central valve and obturator, including connecting tube for in- and outflow, 24 Fr., oblique beak, Obturator 27040OC included in delivery, color code: yellow








Obturator

- 27040OC **Standard Obturator**, for 24/26 Fr. Sheaths 27050SCK, 27040BOK, 27241BOK

High Frequency Generator

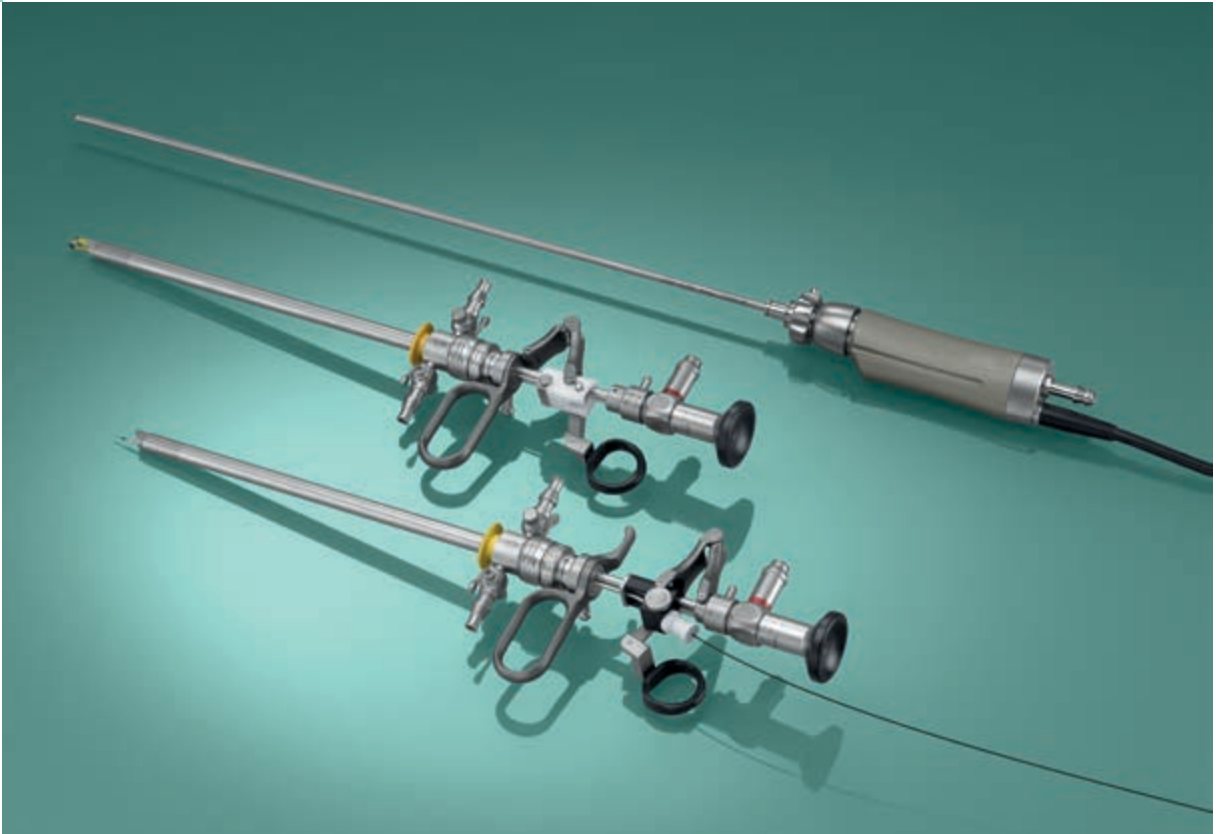
- UH400 **AUTOCON® III 400 High-End**, without CE certification, power supply 220-240 VAC, 50/60 Hz, including mains cord
- UH400E **AUTOCON® III 400 High-End**, with CE certification, power supply 220-240 VAC, 50/60 Hz, including mains cord
- UF902 **Two-Pedal Footswitch**, with button for switchover function, for use with HF generators
- UH801 **Bipolar High Frequency Cord**, length 400 cm, for KARL STORZ AUTOCON® III 400 SCB, for use with KARL STORZ bipolar resectoscopes

Bipolar Electrodes

24/26 Fr. Electrodes, for use with HOPKINS® Telescopes 27005BA/FA	Size and Color Code	Electrodes – reusable , package of 6	Electrodes – for single use , package of 10 
Cutting Loop for TUR-P			
	diameter 0.35 mm color code: yellow	27040GP1	011160-10*
Cutting Loop for TUR-B			
	diameter 0.30 mm color code: yellow/orange	27040GP130	011165-10*
	diameter 0.30 mm color code: yellow/orange	27040JB130	011167-10*
	diameter 0.30 mm color code: yellow/orange	27040JBE130	011166-10*
Vaporization Electrode HALF MOON®			
	diameter 0.35 mm color code: yellow	27040NB	011156-10*
Enucleation Electrode			
	diameter 0.35 mm color code: yellow	27040VE	011169-10*



Further information on the KARL STORZ product portfolio is available in the Urology catalog.



Endoscopic Enucleation and Morcellation from KARL STORZ

All from a single source

In a publication of the EAU Guidelines in 2016, laser enucleation (e.g., HoLEP) and bipolar enucleation are grouped under enucleation of the prostate (EEP). Similar to classical transurethral resection, EEP is thus regarded as a treatment of choice for benign prostate syndrome (BPS). To meet the requirements of this development, KARL STORZ presents variable configuration possibilities which enable you to perform both laser and HF-based applications using one basic instrument. KARL STORZ thus provides you with a flexible system for all techniques and energy sources and, at the same time, expands its product line for enucleation with a morcellator system for the removal of prostate tissue.

- Cost-effective and efficient solutions for enucleation techniques:
Standard instruments for enucleation techniques as well as additional dedicated instruments for laser (HoLEP, ThuLEP) and bipolar enucleation
- Removal of prostate tissue with the individually installable morcellator system

Laser Enucleation

KUNTZ Working Elements

- 27056LA KUNTZ **Working Element**, for use with 24/26 Fr. Resectoscope Sheaths 27040SL, 27050SL and laser probes up to 0.8 mm
- 27056LB **Same**, for use with laser probes up to 1.5 mm

Modular Working Elements

- 27056LE **Laser Working Element**, for use with exchangeable laser probes with 24/26 Fr. resectoscope sheaths
- 27056EA **Laser Guide Probe**, inner diameter 0.8 mm, exchangeable, for use with Laser Working Element 27056LE
- 27056EB **Same**, inner diameter 1.5 mm
- 27056EC **Same**, with retracting beaks, inner diameter 0.8 mm
- 27056ED **Same**, with retracting beaks, inner diameter 1.5 mm

HF Enucleation

Working Element (bipolar)

- 27040EBH **Electrotome**, including:
Working Element
 2x **Cutting Loops**, bipolar
 2x **Coagulation Electrodes**, bipolar
Bipolar High Frequency Cord
Protection Tube

For bipolar enucleation, only the passive Working Element (27040EB) is recommended.

VapoEnucleation Electrodes

- 27040VE **VapoEnucleation Electrode**, hemispherical, 24/26 Fr., for use with HOPKINS® Telescopes 27005FA and 27005BA, color code: yellow
- 011169-10* **VapoEnucleation Electrode**, bipolar, hemispherical, 24/26 Fr., 2 guide rods, sterile, for single use, package of 10, color code: yellow

Morcellation

Standard Instruments

- 27293AA **HOPKINS® Wide-Angle Straight Forward Telescope 6°**, with angled eyepiece, **autoclavable**, fiber optic light transmission incorporated with working channel, with LUER-Lock connection for inflow, color code: green-red
- 27292AMA **HOPKINS® Wide-Angle Straight Forward Telescope 6°**, with parallel eyepiece, **autoclavable**, fiber optic light transmission incorporated with working channel, with LUER-Lock connection for inflow, color code: green-red



Further information on the KARL STORZ product portfolio is available in the Urology catalog.

27040SC **Adaptor**, for use with Telescopes 27293AA and 27292AMA with resectoscope outer sheaths of 27050SC/SD

27040LB **Adaptor**, for use with Telescopes 27293AA and 27292AMA with resectoscope outer sheaths of 27040SL/SD and 27050SL

Motor Control Unit

27701001-1 **UNIDRIVE® S III SCB**, urology set, UNIDRIVE® S III motor system, with integrated SCB module, power supply 100-120/230-240 VAC, 50/60 Hz, for use with DRILLCUT-X® II Morcellator Handpiece URO 27702050 and Morcellator Blade 27056LM

including:

Mains Cord

One-Pedal Footswitch, two-stage

SCB Connecting Cable, length 100 cm

27702050 **DRILLCUT-X® II Morcellator Handpiece URO**, for use with UNIDRIVE® S III SCB

40712090 **Handle**, adjustable, for use with DRILLCUT-X® II Morcellator Handpiece URO 27702050

41250RA **Cleaning Adaptor**, LUER-Lock, for cleaning DRILLCUT-X® II handpieces

27056LM **Morcellator Blade**, straight, sterilizable, drop-shaped cutting window, outer window serrated, inner window double fenestrated and serrated, diameter 4 mm, length 40 cm, for use with DRILLCUT-X® II Shaver Handpiece 27702050

41200RA **Cleaning Adaptor**, LUER-Lock, for cleaning inner and outer blades

Suction

UP501S2 **S-PILOT® Set**, incl. control cable

including:

Connecting Cable

Tubing Set Suction, sterile, for single use, package of 10

25320001** **UNIMAT® 30**, suction pump set, power supply 230 VAC, 50/60 Hz

including:

Bacterial Filter

Secretion Bottle

Bottle Cap

Connecting Tube, short

Patient Tube

Overflow Case

Mains Cord, length 300 cm

031457-10* **Tubing Set**, for suction, sterile, for single use, package of 10, for use with S-PILOT®, for urology/gynecology

030306-04* **Guardian Suction Canister**, 12 l, for single use, package of 4

030970-10* **Tissue Trap Filter**, unsterile, for single use, package of 10, for use with Suction Canister 030306-04 and other suction bottle systems

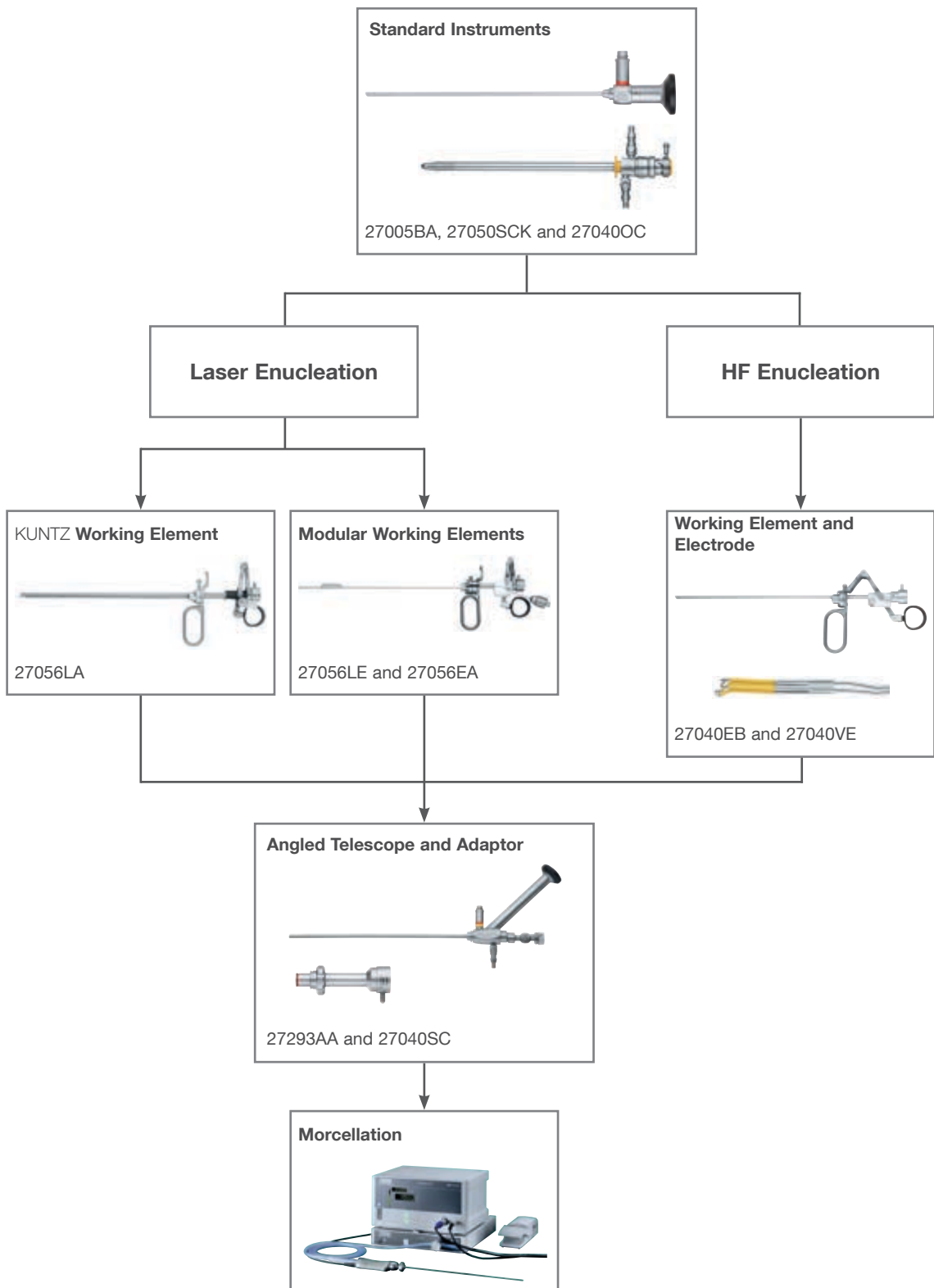
030381-01 **Guardian LVC Roll Stand**, for 1 canister, 12 l



** UNIMAT® 30 is not required when using the central suction system

Further information on the KARL STORZ product portfolio is available in the Urology catalog.

System Components for Enucleation





A New Generation of Pressure-Controlled PCNL Systems for Minimally Invasive Percutaneous Nephrolitholapaxy

The MIP system ensures atraumatic and effective stone treatment with fewer complications for all stone sizes.

- Innovative pressure management: All systems from the MIP series are designed as open systems
- Efficient stone retrieval: The “vacuum cleaner” hydrodynamic effect makes it possible to retrieve stones without forceps, graspers or stone baskets
- One-step dilation: Following a skin incision, the access tract is dilated in a single step
- Versatility: The right instrument is available for any kidney stone location and size
- Applicator for direct closure and contrast agent injection: Access tracts to the kidney can be directly closed after stone retrieval using a gelatin-thrombin matrix applied with the aid of an applicator. In addition, the applicator can be used to inject contrast agent
- Application-oriented sheaths: For standard and supine techniques as well as pediatric interventions

MIP M Set

- 27830KAK **Nephroscope for MIP M**, with angled eyepiece, 12 Fr., 12°, length 22 cm, **autoclavable**, 1 working channel 6.7 Fr. for instruments up to 5 Fr., fiber optic light transmission incorporated, for use with Operating Sheaths 27830BA/BB/BC/BAS/BBS/BCS/BK including:
- 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
 - Wire Tray**
- 27001GG **Instrument Port with Sealing System and Quick Release Lock**, large, 1 channel, for use with accessories up to 2 mm diameter in combination with Miniature Nephroscope for MIP M 27830KA
- 27830BB **Operating Sheath**, 16.5/17.5 Fr., working length 15 cm, for continuous irrigation and suction, for use with Nephroscope for MIP M 27830KA, One Step Dilator 27830AB and Applicator 27830CF
- 27830BBS **Operating Sheath**, for the supine position, 16.5/17.5 Fr., working length 18 cm, for continuous irrigation and suction, for use with Nephroscope for MIP M 27830KA, One Step Dilator 27830AB and Applicator 27830CFS
- 27830BK **Operating Sheath for Children**, 16.5/17.5 Fr., working length 7.5 cm, for continuous irrigation and suction, for use with Nephroscope for MIP M 27830KA and One Step Dilator 27830AB
- 27830AB **One Step Dilator**, with central channel and a second eccentric channel for guide wires, for use with 16.5/17.5 Fr. Operating Sheaths 27830BB/BBS/BK
- 27830CF **Applicator for Sealant**, including sheath and rod, for use with Operating Sheaths 27830BA/BB/BC
- 27830CFS **Applicator**, for the supine position, including sheath and rod, for use with Operating Sheaths 27830BAS/BBS/BCS

MIP XS/S – Percutaneous Nephroscope

- 27820KAK **Nephroscope for MIP XS/S**, with angled eyepiece, 7.5 Fr., 6°, length 24 cm, **autoclavable**, 1 working channel 2 Fr., 1 irrigation channel 3 Fr., fiber optic light transmission incorporated, for use with Operating Sheaths 27820BA/BB/BAS/BBS/BK

MIP L – Percutaneous Nephroscope

- 27840KAK **Nephroscope for MIP L**, with angled eyepiece, 19.5 Fr., HOPKINS® rod lens system 12°, length 22 cm, **autoclavable**, 12.4 Fr. working channel for use with instruments up to 11.5 Fr., fiber optic light transmission incorporated, for use with Operating Sheaths 27840BA/BB/BAS/BBS and Instrument Port 27840GP

Further dilators, sheaths and applicators as well as accessories can be found in the Urology catalog.



We Realize Innovations – The Thin Uretero-Renoscope from KARL STORZ

With the thin uretero-roscope, KARL STORZ presents a future-oriented advancement in a new design. The even more slender shape of the sheath provides the instrument with a good balance and ensures comfort and ergonomics, allowing the surgeon to treat patients easily and gently.

- Minimal sheath circumference with large working channel
- Sheath with long tapered step
- Atraumatically shaped distal tip for easy insertion into the ureter

Rigid Uretero-Renoscope

27000LK **Uretero-Renoscope**, 7 Fr., 6°, length 43 cm, **autoclavable**, with angled eyepiece, fiber optic light transmission incorporated, 2 lateral irrigation ports and 1 working channel 4.8 Fr., for use with instruments up to 4 Fr.

including:

Insertion Aid

Instrument Port with Sealing System and Quick Release Lock

LUER-Lock Tube Connector, male


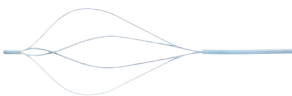
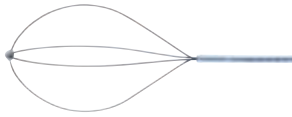

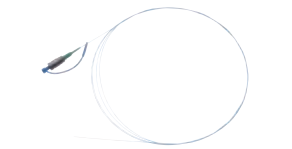


LUER-Lock Tube Connector, with stopcock

Seal, package of 10

Flow Control Stopcock

Wire Tray

Optional Accessories

		Reusable	For single use 
	Stone Basket , nitinol, STERILE with tip, helical, 2.5 Fr., length 120 cm, 4 wires, basket diameter 16 mm, package of 1	–	27023TD
	Stone Basket , nitinol, STERILE without tip, straight, 2.5 Fr., length 120 cm, 4 wires, basket diameter 16 mm, package of 3	–	27023LD
	Cytology Brush , 3 Fr., unsterile, package of 5	–	27023Y
	CALCULASE® III Fiber , STERILE 230 µm, length 300 cm, package of 6, for use with CALCULASE® III	UL007S5	UL004S5
	Forceps , rigid, for grasping stone fragments, double action jaws, 4 Fr., length 60 cm, color code: blue	27424F	–
	Biopsy Forceps , rigid, double action jaws, 4 Fr., length 60 cm, color code: blue	27424Z	–

Further rigid uretero-renoscopes can be found in the Urology catalog.



As Every Detail Counts – Visibly Higher Resolution with the Flexible Uretero-Renoscopes FLEX-X^C and FLEX-X^{2S}

KARL STORZ presents a new generation of flexible uretero-renoscopes that enables you to benefit from proven properties such as minimal sheath circumference, excellent torque stability and maneuverability – now combined with a noticeably higher image resolution.

During the course of product development, it was possible to maximize the image quality of the FLEX-X^C video uretero-reno-scope, while the number of fibers for the FLEX-X^{2S} uretero-reno-fiberscope could be doubled.

A wide range of optional accessories such as stone baskets, laser fibers and guide wires rounds off the product portfolio.

Video Uretero-Renoscope FLEX-X^C:

- Now with 2.6x higher image resolution
- Clear images, even at high zoom levels
- Optimized visualization with S-Technologies






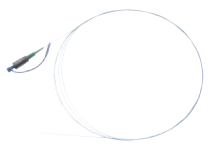

Uretero-Reno-Fiberscope FLEX-X^{2S}:

- Now with double fiber capacity
- Significantly improved image quality

Flexible Uretero-Renoscopes

- 11278VSK **Video Uretero-Renoscope FLEX-X^c, Set**, steerable, compatible with IMAGE1 S™, deflection of distal tip 270°/270°, direction of view 0°, angle of view 90°, working channel 3.6 Fr., sheath size 8.5 Fr., working length 70 cm
- 11278AK1 **Uretero-Reno-Fiberscope FLEX-X^{2S}, Set**, steerable, deflection of distal tip 270°/270°, direction of view 0°, angle of view 88°, working channel inner diameter 3.6 Fr., sheath size 7.5 Fr., working length 67 cm
including:
Case
Pressure Compensation Cap
Leakage Tester
Cleaning Brush
LUER-Adaptor, with seal
2x LUER-Lock Tube Connectors
Sealing Cap

Optional Accessories

		Reusable	For single use 
	Fiber Fixation Kit , for the fixation of laser fibers in the working channels of flexible endoscopes up to diameter 1 mm including: Fiber Fixation Cleaning Adaptor Seal , package of 10	11014YK	–
	Endoscopic Seal , STERILE for working channels of 3-7 Fr. instruments, package of 10	–	100010-10*
	Stone Basket , nitinol, STERILE without tip, straight, 1.9 Fr., length 120 cm, 4 wires, basket diameter 12 mm	–	27023LB
	Guide Wire , 3 Fr., STERILE with ball end, package of 10	–	27025P
	CALCULASE® III Fiber , STERILE 230 µm, length 300 cm, package of 6, for use with CALCULASE® III	UL007S5	UL004S5
	Cleaning Brush , length 90 cm, brush diameter 1.7 mm, package of 50, for use with flexible endoscopes, with working channel diameters 1.2-1.5 mm	–	110930-50



CALCULASE® III – The End of the Stone Age

35 W holmium laser for lithotripsy and tissue treatment

The new 35 Watt desktop laser CALCULASE® III from KARL STORZ offers the user an enhanced performance and optimal user comfort with an excellent price-performance ratio*.

- Performance up to 35 Watts
- Enhanced energy spectrum from 0.2-4 Joules*
- Higher frequency from 4-30 Hertz*
- Burst pulse mode (for reducing the repulsion of stone fragments)
- RFID fiber identification
- 10" touch screen

* Comparison with previous model

35 W Holmium Laser

UL300-1 **CALCULASE® III**, holmium laser system, power supply 230 VAC, 50/60 Hz

The following accessories are included in delivery:

Mains Cord

One-Pedal Footswitch

Key Set

Remote Interlock Connector

Safety Goggles Ho:YAG LASER, suitable for 2080 nm

Ion Exchanger

Optional Accessories

27750095 **Safety Goggles Ho:YAG LASER**, suitable for 2080 nm

27750280 **Fiber Stripper Set**, sterilizable

Laser Fibers




			reusable	for single use
	CALCULASE® III Fiber , 230 µm, length 300 cm, package of 6, for use with CALCULASE® III	STERILE	UL007S5	UL004S5
	CALCULASE® III Fiber , 365 µm, length 300 cm, package of 6, for use with CALCULASE® III	STERILE	UL008S5	UL005S5
	CALCULASE® III Fiber , 600 µm, length 300 cm, package of 6, for use with CALCULASE® III	STERILE	UL009S5	UL006S5



IMAGE1 S™ Rubina™ – mORe to discover

IMAGE1 S™ RUBINA™ combines the latest imaging technologies 4K, 3D and fluorescence imaging (NIR/ICG) in one product family. The products impress with 4K image quality in 2D and 3D as well as new NIR/ICG fluorescence modes. The new POWER LED RUBINA™ makes this possible. The new modes, e.g. the superimposed NIR/ICG signal in the white light image, provide the user with valuable information. In addition, IMAGE1 S™ RUBINA™ offers the display intensity of a NIR/ICG signal and a pure near infrared mode in monochromatic color display for the clear delineation of structures.

The following components are included in the IMAGE1 S™ RUBINA™ product family:

- IMAGE1™ S 4U RUBINA™ – 4K camera head with new NIR/ICG functionalities
- TIPCAM®1 RUBINA™ – 4K-3D videoendoscope with automatic horizon control
- POWER LED RUBINA™ – Laser-free LED light source for white light and excitation of NIR/ICG
- HOPKINS® RUBINA™ – Enhanced* NIR/ICG telescopes and new models

The IMAGE1 S™ RUBINA™ technology thus provides new functionalities for the KARL STORZ fluorescence imaging system OPAL1® as well as very good image brightness and richness of color and detail.

* in comparison to previous models

TC201EN*	IMAGE1 S CONNECT® II , connect module, for use with up to 3 link modules, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB or KS HIVE and digital Image Processing Module, power supply 100-120 VAC/200-240 VAC, 50/60 Hz
TC304	IIMAGE1 S™ 4U-LINK , link module, for use with IMAGE1 S™ 4U camera heads, power supply 100-240 VAC, 50/60 Hz, for use with IMAGE1 S CONNECT® TC200 or IMAGE1 S CONNECT® II TC201
TH121**	IMAGE1 S™ 4U RUBINA™ , OPAL1® NIR/ICG, two-chip 4K UHD camera head, S-Technologies available, for NIR/ICG fluorescence imaging in combination with POWER LED RUBINA™, OPAL1® NIR/ICG, progressive scan, low-temperature sterilization, focal length f = 19 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S CONNECT® II and IMAGE1 S™ 4U-LINK
26606ACA	TIPCAM®1 RUBINA™ , OPAL1® NIR/ICG, 4K/3D, high-resolution videoendoscope with two distally integrated video chips, for NIR/ICG fluorescence imaging in combination with POWER LED RUBINA™, OPAL1® NIR/ICG and Sync Connecting Cable TL006, direction of view 0°, diameter 10 mm, length 32 cm, autoclavable , S-Technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S CONNECT® II and IMAGE1 S™ 4U-LINK
26606BCA	Same , direction of view 30°
TL400	Cold Light Fountain POWER LED RUBINA™ , for NIR/ICG fluorescence imaging and standard endoscopic diagnosis, with two LEDs and one KARL STORZ light cable connection, with integrated unit communication via KS HIVE, power supply 100-125/220-240 VAC, 50/60 Hz
UF101	One-Pedal Footswitch , one-stage
TM450	55" 4K/3D Monitor , screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall-mounted with VESA 200 and VESA 300 adaptors
TM009	Signal Converter Set , 12G-SDI – 4x 3G-SDI, for use with 55" 4K/3D Monitor TM450
TM350	32" 4K/3D Monitor , screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall-mounted with VESA 100 adaptor
TM003	3D Polarization Glasses , fogless, passive, for use with 3D monitors
9800C	3D Clip-on Glasses , circularly polarized
TM440	58" 4K Monitor , screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall-mounted with VESA 400 x 400 and VESA 400 x 200 adaptors
TM342***	31" 4K Monitor , screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall-mounted with VESA 100 and VESA 200 adaptors

* Also available in the following languages: DE, ES, FR, IT, PT, RU

** For use with HOPKINS® RUBINA™ NIR/ICG telescopes

*** TM342 not available in USA, Japan and China



TELE PACK+

Compact endoscopy

Imaging diagnosis is performed not only in hospitals but also, for example, in doctors' offices, day clinics or outpatient settings. Compact, flexible units with high image quality are in demand here. The new TELE PACK+ ALL-IN-ONE system from KARL STORZ meets these requirements. The system combines a monitor, LED light source, FULL HD camera control unit and documentation with integrated network function in a portable and compact unit.

- Image display in FULL HD quality
- 18.5" touch screen monitor with on-screen keyboard
- Integrated LED light source with stroboscopy function and automatic light source control
- Compatibility with rigid, flexible and single-use endoscopes from KARL STORZ
- Documentation with storage possibilities on USB memory devices and freely available internal memory of 50 GB
- Network functionality in combination with the software tool SCENARA®.CONNECT for the export and import of patient data in/out of HIS/PACS

- TP101 **TELE PACK+**, endoscopic video unit with 2 camera inputs (X-Line and C-Line) for use with flexible videoendoscopes and one-chip camera heads (up to FULL HD), incl. LED light source, digital Image Processing Module with USB and network storage options as well as 18.5" FULL HD touch screen monitor, power supply 100-240 VAC, 50/60 Hz including:
Mains Cord, length 300 cm
- Camera Heads**
- TH110 **IMAGE1 S™ HX**, one-chip FULL HD camera head, 50/60 Hz, fixed focus, progressive scan, soakable, gas and plasma sterilizable, focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™
- TH111 **IMAGE1 S™ HX-P**, one-chip FULL HD pendulum camera head, 50/60 Hz, with pendulum system and fixed focus, progressive scan, soakable, gas and plasma sterilizable, focal length f = 16 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™
- TH130 **H1 Camera Head**, one-chip HD camera head, progressive scan, low-temperature sterilization, focal length f = 19 mm, 2 freely programmable camera head buttons in combination with TELE PACK+, for use with TELE PACK+ TP101, C-HUB II® 20290320 and C-MAC® Monitor for CMOS Endoscopes 8403ZX

ENT Videoendoscopes

- 11101HD **HD Video Rhino-Laryngoscope**, direction of view 0°, angle of view 100°, working length 30 cm, outer diameter 3.7 mm, deflection up/down 140°/140°
- 11102CM **CMOS Video Rhino-Laryngoscope**, direction of view 0°, angle of view 100°, deflection up/down 140°/140°, outer diameter 2.9 mm, working length 30 cm
- 091370-01 **CMOS Video Esophagoscope SSU**, direction of view 0°, angle of view 90°, working length 75 cm, outer diameter 3.5 mm, deflection up/down 210°/140°, sterile, for single use, for use with E-BOX TP010 and TELE PACK+
- 091330-01 **CMOS Video Rhino-Laryngoscope SSU**, 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, for use with E-BOX TP010 and TELE PACK+

Urology Videoendoscopes

- 11278VSU **Video Uretero-Renoscope FLEX-X^c**, steerable, compatible with IMAGE1 S™ X-LINK TC301, with contrapositive deflection, deflection of distal tip 270°/270°, direction of view 0°, angle of view 90°, working channel diameter 3.6 Fr., sheath size 8.5 Fr., working length 70 cm
- 11278VSUE **Same**, working channel with T-LUER, including case and pressure compensation cap
- 11278VS **Video Uretero-Renoscope FLEX-X^c**, steerable, compatible with IMAGE1 S™, working channel 3.6 Fr., direction of view 0°, angle of view 90°, sheath size 8.5 Fr., working length 70 cm
- 11278VSE **Same**, working channel with T-LUER, including case and pressure compensation cap
- 11272VH **Flexible Video Cystoscope HD-VIEW™**, with positive deflection, with suction channel and integrated light source, deflection of distal tip 210°/140°, direction of view 0°, angle of view 100°, working channel diameter 7 Fr., sheath size 16 Fr., working length 37 cm
- 11272 VHU **Same**, with contrapositive deflection
- 11272VE **CMOS Video Cysto-Urethroscope**, steerable, working channel diameter 7 Fr., direction of view 0°, angle of view 100°, sheath size 15.6 Fr., working length 37 cm
- 11272VUE **Same**, with contrapositive deflection

Anesthesiology

- 11910T **LIVE HD Video Bronchoscope 6.5/2.8**, distal tip outer diameter 6.5 mm, working channel diameter 2.8 x 3.2 mm, deflection 180°/130°, direction of view 0°, angle of view 100°, depth of view 3-50 mm, working length 60 cm, for use with IMAGE1 S™ or TELE PACK+
- 11910D **LIVE HD Video Bronchoscope 5.5/2.0**, distal tip outer diameter 5.5 mm, working channel diameter 2.2 x 2 mm, deflection 210°/140°, direction of view 0°, angle of view 100°, depth of view 3-50 mm, working length 60 cm, for use with IMAGE1 S™ or TELE PACK+
- 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
- 11304BCXK **Flexible Intubation Videoendoscope Set 6.5 x 65**, CMOS technology, with suction valve, deflection up/down 180°/140°, direction of view 0°, angle of view 100°, working length 65 cm, total length 94 cm, working channel diameter 3 mm, distal tip outer diameter 6.3 mm
- 11303BNXK **Flexible Intubation Videoendoscope Set 5.5 x 65**, CMOS technology, with suction valve, deflection up/down 140°/140°, direction of view 0°, angle of view 100°, working length 65 cm, total length 94 cm, working channel diameter 2.1 mm, distal tip outer diameter 5.5 mm
- 11302BDXK **Flexible Intubation Videoendoscope Set 4.0 x 65**, CMOS technology, with suction valve, deflection up/down: 140°/140°, direction of view 0°, angle of view 100°, working length 65 cm, total length 93 cm, working channel diameter 1.5 mm, distal tip outer diameter 4 mm
- 11301ABXK **Flexible Intubation Videoendoscope Set 3.0 x 51.5**, CMOS technology, 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
- 091361-06* **Flexible Intubation Videoendoscope 3.5 x 65**, sterile, for single use, package of 6, direction of view 0°, angle of view 90°, working length 65 cm, outer diameter 3.5 mm, working channel diameter 1.2 mm, deflection up/down 180°/180°

Optional Accessories

- UG803 **Subrack for COR Mobile Stand**, low, rides on 4 antistatic dual wheels, with locking brakes, low beam module incl. cable manager and handle
- UG804 **Subrack for COR Mobile Stand**, high, rides on 4 antistatic dual wheels, with locking brakes, high beam module incl. cable manager and handle, base module for COR mobile stand
- TP002 **Camera Head Holder**, for use with TELE PACK+ TP101
- TC010 **Two-Pedal Footswitch USB**, for use with IMAGE1 CONNECT® TC200, TELE PACK+ TP101
- 20040240EN** **USB Silicone Keyboard**, with US English character set, USB plug, with touchpad
- 20040282 **USB Flash Drive**, 32 GB, for use with IMAGE1 S CONNECT®, IMAGE1 ICM, TECHNO PACK® X/Xe, TECHNO PACK® T LED, all TELE PACK X and TELE PACK X LED models and the C-MAC® monitor

** Also available in the following languages: DE, ES, FR, IT, PT, RU, CH, SE, US



549M **USB Color Printer**, power supply 100-240 VAC, 50/60 Hz, including mains cord, for use with IMAGE1 S™, IMAGE1 ICM from software version 470206-328BI and AIDA® compact NEO

W21341 **OR1™ Radio Microphone Headset**, for W21346-XXX or similar for use with OR1™ Bodypack Transmitters W21346-061, W21346-062, W21346-063 as well as TELE PACK X LED and TELE PACK+

Accessories for Stroboscopy

40160033 **TELE PACK Stroboscopy Footswitch**, with USB port and integrated activation key for stroboscopy function (plug & play), for use with KARL STORZ TELE PACK X LED TP100, TELE PACK+ TP101

40160031 **Microphone Set**, for use with KARL STORZ TELE PACK X LED TP100 including:

Microphone Fitting

Microphone Holder

Connector for Microphone Membrane

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

KARL STORZ SE & Co. KG
Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany
Postbox 230, 78503 Tuttlingen/Germany
Phone: +49 7461 708-0
Fax: +49 7461 708-105
E-Mail: info@karlstorz.com

www.karlstorz.com

