A Revolution in Transurethral Treatment Concepts

Complete system and diverse electrodes

The new bipolar concept from KARL STORZ sets new standards in terms of effectiveness, economic efficiency, patient safety and reliability and therefore revolutionizes the treatment of BPS and/or bladder tumors.

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, bladder and urethra.

KARL STORZ provides a modern, adaptive morcellator system for enucleation that enables fast and efficient morcellation or the removal of prostate tissue from the bladder.
Special features of the transurethral treatment concept

- Perfect symbiosis with HF surgery: Treatment, technology and economic efficiency
- All techniques can be performed with a bipolar working element by selecting the appropriate electrode
- Real bipolar system: No current backflow via the sheath
- Precise cutting and initial incision without delay: Automatic and optimized HF current regulation with the AUTOCON® III 400 HF generator
- Maximum efficiency with minimal, controlled current flow
- Minimal tissue penetration; reduced obturator nerve stimulation
- A generator for all techniques: Bipolar vaporization, enucleation and standard TUR
HOPKINS® Telescopes

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

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

Working Elements

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

27040 DB  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

27050 SCK  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

27040 BOK  Resectoscope Sheath, with LUER-Lock stopcock and obturator, including connecting tube for inflow, 24 Fr., oblique beak, Obturator 27040 OC included in delivery, color code: yellow

27241 BOK  Resectoscope Sheath, with central valve and obturator, including connecting tube for in- and outflow, 24 Fr., oblique beak, Obturator 27040 OC included in delivery, color code: yellow

Obturator

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

High Frequency Generator

UH 400  AUTOCON® III 400 High-End, can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU 300, power supply 220-240 VAC, 50/60 Hz, including mains cord

UF 902  Two-Pedal Footswitch, with button for switchover function, for use with HF generators

UH 801  Bipolar High Frequency Cord, length 400 cm, for KARL STORZ AUTOCON® III 400 SCB, for use with KARL STORZ bipolar resectoscopes
### Bipolar Electrodes

<table>
<thead>
<tr>
<th>Electrode Type</th>
<th>Size and Color Code</th>
<th>Electodes –</th>
<th>Electodes –</th>
</tr>
</thead>
<tbody>
<tr>
<td>24/26 Fr. Electrodes, for use with HOPKINS® Telescopes</td>
<td>27005 BA/FA</td>
<td>reusable, package of 6</td>
<td>for single use, package of 10</td>
</tr>
</tbody>
</table>

### Cutting Loop for TUR-P
- Diameter: 0.35 mm<br>Color code: yellow<br>Code: 27040 GP1<br>Part No: 01160-10*

### Cutting Loop for TUR-B
- Diameter: 0.30 mm<br>Color code: yellow/orange<br>Code: 27040 GP130<br>Part No: 01165-10*

- Diameter: 0.30 mm<br>Color code: yellow/orange<br>Code: 27040 JB130<br>Part No: 01167-10*

- Diameter: 0.30 mm<br>Color code: yellow/orange<br>Code: 27040 JBE130<br>Part No: 01166-10*

### Vaporization Electrode HALF MOON®
- Diameter: 0.35 mm<br>Color code: yellow<br>Code: 27040 NB<br>Part No: 01156-10*

### Enucleation Electrode
- Diameter: 0.35 mm<br>Color code: yellow<br>Code: 27040 VE<br>Part No: 01169-10*

* Further information on the KARL STORZ product portfolio is available in the Urology catalog.
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 effective instrumentation for the removal of prostate tissue following enucleation.

- Economical and efficient solutions for enucleation techniques:
  Standard instruments for enucleation techniques as well as additional dedicated instruments for laser (HoLEP, ThuLEP) and bipolar enucleation
- Efficient removal of prostate tissue and straightforward, individual installation in our morcellator system
Laser Enucleation
KUNTZ Working Elements
27056 LA  KUNTZ Working Element, for use with 24/26 Fr. Resectoscope Sheaths 27040 SL, 27050 SL and laser probes up to 0.8 mm
27056 LB  Same, laser probes up to 1.5 mm

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

HF Enucleation
Working Element (bipolar)
27040 EBH  Electrotome, bipolar, passive (cutting by means of a spring), movable thumb ring.
In rest position the electrode tip is inside the sheath.
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 (27040 EB) is suitable.

VapoEnucleation Electrodes
011169-10*  VapoEnucleation Electrode, bipolar, hemispherical, 24/26 Fr., sterile, for single use, package of 10, color code: yellow

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

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

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 27056 LM 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 N shaver handpiece

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

27056 LM  **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

41200 RA  **Cleaning Adaptor**, LUER-Lock, for cleaning the inner and outer blades of DRILLCUT-X® accessories

Suction

UP 501S2  **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

Standard Instruments

Laser Enucleation

KUNTZ Working Element
27056 LA

Modular Working Elements
27056 LE and 27056 EA

HF Enucleation

Working Element and Electrode
27040 EB and 27040 VE

Angled Telescope and Adaptor
27293 AA and 27040 SC

Morcellation
The New Flexible Video Cystoscope HD-VIEW

High Performance by Definition

The new 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 smoother insertion.

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

**11272 VHK** 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 IMAGE1 S CONNECT® II (TC 201) and IMAGE1 S™ X-LINK (TC 301) 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

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

Optional Accessories

<table>
<thead>
<tr>
<th>Accessory Description</th>
<th>Reusable</th>
<th>For single use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone Basket, nitinol, without tip, straight, 3 Fr., length 70 cm, 4 wires, basket diameter 12 mm, sterile, for single use</td>
<td>–</td>
<td>27023 KF</td>
</tr>
<tr>
<td>Coagulation Electrode, unipolar, 4 Fr., length 73 cm</td>
<td></td>
<td>27723 T</td>
</tr>
<tr>
<td>Luer Port with Two Stopcocks, attachment to working channel, for the connection of irrigation tubing and the insertion of instruments</td>
<td>11014 L</td>
<td>–</td>
</tr>
<tr>
<td>Double Luer Port, attachment to working channel, for the connection of irrigation tubing and the insertion of instruments</td>
<td>11014 LU</td>
<td>–</td>
</tr>
<tr>
<td>Suction Valve, for use with Flexible Video Cystoscopes 11272 VH/VHU</td>
<td>11301 CB1</td>
<td>11301 CE1</td>
</tr>
<tr>
<td>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</td>
<td>–</td>
<td>110940-50</td>
</tr>
</tbody>
</table>
A New Generation of Pressure-Controlled PCNL Systems

The revolutionary 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
- Innovative 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**

27830 KAK  **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 27830 BA/BB/BC/BAS/BBS/BCS 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**

27001 GG  **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 27830 KA

27830 BB  **Operating Sheath**, 16.5/17.5 Fr., working length 15 cm, for continuous irrigation and suction, for use with Nephroscope for MIP M 27830 KA, One Step Dilator 27830 AB and Applicator 27830 CF

27830 BBS  **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 27830 KA, One Step Dilator 27830 AB and Applicator 27830 CFS

27830 BK  **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 27830 KA and One Step Dilator 27830 AB

27830 AB  **One Step Dilator**, with central channel and a second eccentric channel for guide wires, for use with 16.5/17.5 Fr. Operating Sheaths 27830 BB/BBS/BK

27830 CF  **Applicator for Sealant**, including sheath and rod, for use with Operating Sheaths 27830 BA/BB/BC

27830 CFS  **Applicator**, for the supine position, including sheath and rod, for use with Operating Sheaths 27830 BAS/BBS/BCS

**MIP XS/S – Percutaneous Nephroscope**

27820 KAK  **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 27820 BA/BB/BAS/BBS

**MIP L – Percutaneous Nephroscope**

27840 KAK  **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 27840 BA/BB/BAS/BBS and Instrument Port 27840 GP/BK

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 a new generation of uretero-renoscopes, KARL STORZ presents a future-oriented advancement in a new design. The even more slender sheath shape provides the instruments with excellent balance and ensures comfort and ergonomics. A much smoother tapered step ensures excellent gliding properties and allows the surgeon to treat patients easily and gently.

- Minimal sheath circumference
- Sheath with very smooth, long tapered step
- Excellent gliding properties for the highest patient comfort
- Large working channel for maximum irrigation performance
- Excellent view
- Atraumatic sheath end for easy insertion into the ureter
Rigid Uretero-Renoscope

27000 LK  **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**

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Reusable</th>
<th>For single use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stone Basket</strong>, nitinol, with tip, helical, 2.5 Fr., length 120 cm, 4 wires, basket diameter 16 mm, package of 1</td>
<td>–</td>
<td>27023 TD</td>
</tr>
<tr>
<td><strong>Stone Basket</strong>, nitinol, without tip, straight, 2.5 Fr., length 120 cm, 4 wires, basket diameter 16 mm, package of 3</td>
<td>–</td>
<td>27023 LD</td>
</tr>
<tr>
<td><strong>Cytology Brush</strong>, 3 Fr., unsterile, package of 5</td>
<td>–</td>
<td>27023 Y</td>
</tr>
<tr>
<td><strong>CALCULASE III Fiber</strong>, 230 µm, length 300 cm, package of 6, for use with <strong>CALCULASE III</strong></td>
<td>UL 007 S5</td>
<td>UL 004 S5</td>
</tr>
<tr>
<td><strong>Forceps</strong>, rigid, for grasping stone fragments, double action jaws, 4 Fr., length 60 cm, color code: blue</td>
<td>27424 F</td>
<td>–</td>
</tr>
<tr>
<td><strong>Biopsy Forceps</strong>, rigid, double action jaws, 4 Fr., length 60 cm, color code: blue</td>
<td>27424 Z</td>
<td>–</td>
</tr>
</tbody>
</table>

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\textsuperscript{C} and FLEX-X\textsuperscript{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\textsuperscript{C} video uretero-renoscope, while the number of fibers for the FLEX-X\textsuperscript{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\textsuperscript{C}:**
- Now with 2.6x higher image resolution
- Larger, clearer images at high zoom levels
- Optimized visualization with S-Technologies

**Uretero-Reno-Fiberscope FLEX-X\textsuperscript{2S}:**
- Now with double fiber capacity
- True-to-detail image quality thanks to higher resolution
### Flexible Uretero-Renoscopes

11278 VSK  **Video Uretero-Renoscope FLEX-X², 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

11278 AK1  **Uretero-Reno-Fiberscope FLEX-X²S, 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

- **Case**
- **Pressure Compensation Cap**
- **Leakage Tester**
- **Cleaning Brush**
- **LUER-Adaptor, with seal**
- **2x LUER-Lock Tube Connectors**
- **Sealing Cap**

### Optional Accessories

<table>
<thead>
<tr>
<th>Accessory Description</th>
<th>Reusable Code</th>
<th>For single use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fiber Fixation Kit</strong>, for the fixation of laser fibers in the working channels of flexible endoscopes up to diameter 1 mm including: <strong>Fiber Fixation</strong>, <strong>Cleaning Adaptor</strong>, <strong>Seal</strong>, package of 10</td>
<td>11014 YK</td>
<td>–</td>
</tr>
<tr>
<td><strong>Endoscopic Seal</strong>, for working channels of 3-7 Fr. instruments, package of 10</td>
<td>–</td>
<td>100010-10*</td>
</tr>
<tr>
<td><strong>Stone Basket</strong>, nitinol, without tip, straight, 1.9 Fr., length 120 cm, 4 wires, basket diameter 12 mm</td>
<td>–</td>
<td>27023 LB</td>
</tr>
<tr>
<td><strong>Guide Wire</strong>, 3 Fr., with ball end, package of 10</td>
<td>–</td>
<td>27025 P</td>
</tr>
<tr>
<td><strong>CALCULASE III Fiber</strong>, 230 µm, length 300 cm, package of 6, for use with CALCULASE III</td>
<td>UL 007 S5</td>
<td>UL 004 S5</td>
</tr>
<tr>
<td><strong>Cleaning Brush</strong>, 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</td>
<td>–</td>
<td>110930-50</td>
</tr>
</tbody>
</table>

*Further flexible uretero-renoscopes can be found in the Urology 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>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>27023 TH</td>
<td>5 Fr.</td>
<td>with tip, straight</td>
<td>4</td>
<td>90 cm</td>
</tr>
</tbody>
</table>

**… flexible cystoscopy and percutaneous nephrolithotomy**

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Form</th>
<th>Wires</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>27023 KF</td>
<td>3 Fr.</td>
<td>without tip, straight</td>
<td>4</td>
<td>70 cm</td>
</tr>
</tbody>
</table>

**… semirigid uretero-renoscopy**

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Form</th>
<th>Wires</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>27023 TD</td>
<td>2.5 Fr.</td>
<td>with tip, helical</td>
<td>4</td>
<td>120 cm</td>
</tr>
<tr>
<td>27023 LD</td>
<td>2.5 Fr.</td>
<td>without tip, straight</td>
<td>4</td>
<td>120 cm</td>
</tr>
<tr>
<td>27023 TF</td>
<td>3 Fr.</td>
<td>with tip, helical</td>
<td>4</td>
<td>120 cm</td>
</tr>
<tr>
<td>27023 LF</td>
<td>3 Fr.</td>
<td>without tip, straight</td>
<td>4</td>
<td>120 cm</td>
</tr>
</tbody>
</table>

**… flexible uretero-renoscopy**

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Size</th>
<th>Form</th>
<th>Wires</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>27023 LB</td>
<td>1.9 Fr.</td>
<td>without tip, straight</td>
<td>4</td>
<td>120 cm</td>
</tr>
</tbody>
</table>
CALCULASE III – The End of the Stone Age

35 W holmium laser for urology

With the CALCULASE III, KARL STORZ is launching a new generation of desktop lasers on the market with an excellent price-performance ratio. Featuring a power rating of 35 W and optimized modes, such as the burst mode for reducing the repulsion of stone fragments, the laser offers everything required for successful lithotripsy.

- Improved performance of up to 35 Watts
- Enhanced energy spectrum from 0.2-4 Joules
- Higher frequency from 4-30 Hertz
- Optimized pulse modes
- RFID fiber identification
- 10" touch screen for ease of use
35 W Holmium Laser

UL 300-1  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

- 27 750095  Safety Goggles Ho:YAG LASER, suitable for 2080 nm
- 27 750092  Warning Sign, German language, to designate laser areas
- 27 750093  Warning Sign, English language, to designate laser areas
- 27 750280  Fiber Stripper Set, sterilizable

### Laser Fibers

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Description</th>
<th>Reusable</th>
<th>for Single Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCULASE III Fiber, 230 μm, length 300 cm, package of 6</td>
<td>for use with CALCULASE III</td>
<td>UL 007 S5</td>
<td>UL 004 S5</td>
</tr>
<tr>
<td>CALCULASE III Fiber, 365 μm, length 300 cm, package of 6</td>
<td>for use with CALCULASE III</td>
<td>UL 008 S5</td>
<td>UL 005 S5</td>
</tr>
<tr>
<td>CALCULASE III Fiber, 600 μm, length 300 cm, package of 6</td>
<td>for use with CALCULASE III</td>
<td>UL 009 S5</td>
<td>UL 006 S5</td>
</tr>
</tbody>
</table>
IMAGE1 S™ 4U – mORE than a camera

The IMAGE1 S™ 4U camera system allows the operating surgeon to make optimal use of the benefits offered by 4K technology. A notable feature is the image quality: High image brightness, impressive colors, greater richness of detail and a significantly improved depth effect characterize this system. Thanks to the system’s modularity, 4U components can be easily integrated into the existing IMAGE1 S™ camera platform. Consequently, the system is still compatible with existing technologies (e.g., rigid, flexible, fluorescence and 3D endoscopy) and can be adapted to meet individual customer needs.

- IMAGE1 S™ 4U impresses with outstanding, razor-sharp images
  - Excellent image brightness
  - First-rate color rendition
  - Greater richness of detail

- Three innovative visualization technologies for tissue differentiation:
  - CLARA: Homogeneous illumination
  - CHROMA: Contrast enhancement
  - SPECTRA*: Spectral color shift and switch

- Easy integration into the IMAGE1 S™ camera platform

* not for sale in the U.S.
TC 201EN*  **IMAGE1 S CONNECT® II**, connect module, for use with up to 3 link modules, 4K technology, resolution 3840 x 2160 and 1920 x 1080 pixels, with integrated KARL STORZ-SCB and digital Image Processing Module, power supply 100-240 VAC, 50/60 Hz

TC 304  **IMAGE1 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® TC 200 or IMAGE1 S CONNECT® II TC 201

TH 120  **IMAGE1 S™ 4U One-Chip 4K UHD Camera Head**, S-Technologies available, progressive scan, soakable, EO sterilization, H₂O₂ (hydrogen peroxide), focal length f = 18 mm, 2 freely programmable camera head buttons, for use with IMAGE1 S™ 4U-LINK

TM 440  **58" 4K Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 400 x 400 and VESA 400 x 200 adaptors

TM 350  **32" 4K 3D Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, 5V DC output (1 A), wall mount with VESA 100 adaptor

TM 342**  **31" 4K Monitor**, screen resolution 3840 x 2160, image format 16:9, power supply 100-240 VAC, 50/60 Hz, wall mount with VESA 100 and VESA 200 adaptors

TL 300  **Cold Light Fountain POWER LED 300 SCB**, with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet, power supply 100-240 VAC, 50/60 Hz

495 NAC  **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, with safety lock, enhanced light transmission, can be used for ICG applications, diameter 3.5 mm, length 230 cm

495 NCSC  **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, enhanced light transmission, with safety lock, diameter 4.8 mm, length 250 cm

495 TIP  **Fiber Optic Light Cable**, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 300 cm

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

** TM 342 not available in USA, Japan & China
Imaging and OR Integration

Storage and administration of image and video data

Flexible support for image sources

Centralized communication interface

KARL STORZ OR1™
Future-oriented integration meets innovative data management

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Further information and an overview of Urology products from KARL STORZ can be viewed on www.karlstorz.com in the Human Medicine section, Urology.