

**ANNEX-B-d**  
**SPECIFICATION OF MEDICAL EQUIPMENT**  
**DELIVERY LOCATION AT TRAUMA CENTRE AT QUETTA.**

S.No	Equipment	Specs	Qty
<b>Gastroenterology Department</b>			
<b>1</b>	<b>Endoscope (Complete System)</b>		<b>1</b>

**A**

**FULL HIGH DEFINITION VIDEO GASTROSCOPE**

Full High Definition Video Gastroscope with CCD / CMOS and advanced technological features

Field of view: 140° or better

Direction of view 0° (Forward Viewing)

Depth of field 2 - 100 mm or better

Distal end diameter 9 mm or less

Insertion tube diameter 9 mm or less

Channel inner diameter 2.8 mm or more

Working Length: 1030mm or more

Angulations: Up 210°, Down 90°, Right 100°, Left 100° or better

With advanced technological features:

Observation facility for greater contrast of blood vessels and mucosa Texture and Color Enhancement

Red Dichromatic Imaging

Full HD/ HDTV/ 1920 x 1080 resolution Water proof design

Water Jet Function Dual Focus

**B**

**HIGH DEFINITION VIDEO COLONOSCOPE**

High Definition Video Colonoscope (Slim) with CCD / CMOS and advanced technological features

Field of view Normal focus 170° Near focus 160°

Direction of view: Forward viewing

Depth of field Normal focus 5 - 100 mm Near focus 2 – 6 mm

Distal end diameter            13.5 mm or less  
 Insertion tube diameter        13 mm or less  
 Channel inner diameter        3.5 mm or more  
 Working Length:                1650mm or more  
 Angulations:    Up 180°, Down 160°, Right 160°, Left 160° or better With following advanced  
 Observation facility for greater contrast of blood vessels and mucosa  
 Texture and Color Enhancement Imaging Red Dichromatic Imaging)  
 Ergonomically design grip which enhances scope manoeuvrability Scope ID function to facilitate  
 Full HD/ HDTV/ 1920 x 1080 resolution Water proof design  
 High-Force Transmission Adjustable flexibility Passive bending with RIT  
 Scope Guide probe compatible Close Focus

**C WATER PUMP**

Flushing pump compatible with all scopes  
 can irrigate fluid via the instrument or auxiliary water channels of endoscopes, allowing gastric and  
 A powerful flow allows organic material to be washed away efficiently while precise microprocessor  
 Able to rapidly fill organs with fluid, allowing endoscopic ultrasound procedures to be performed  
 can be controlled via a remote control or a foot switch, allowing the user to choose the method that  
 Standby Mode:  
 Automatically selected when the pump head is opened, the standby mode allows safe exchange of water  
 20-Second Cutoff Timer:  
 The timer automatically cuts off flow after 20 seconds, ensuring a patient is not accidentally overfilled  
 Reverse Pumping:  
 Once the foot switch it released, the pump head runs in reverse a number of times, reducing pressure in  
 User-Friendly Features:  
 A bright LED display allow easy operation of the pump even a darkened room, and flat-panel touch

**D HD/ Q-IMAGE DUODENO VIDEO SCOPE**

Video Duodenoscope with CCD / CMOS and advanced technological features Field of view:    100°  
 Direction of view                5°-10° or better(Backward Viewing) Depth of field:                    5 - 60 mm or

Distal end diameter: 13.7 or less Insertion tube diameter 11.6 mm or less Working length:  
Angulation : Up 120° Down 90° Right 105° Left 90° or better Observation facility for greater contrast of  
Red Dichromatic Imaging)  
Ergonomically design grip which enhances scope manoeuvrability Scope ID function to facilitate  
Dual wire locking mechanism Detachable cap  
Single Use Distal end cover for Duodeno Videoscope

**E ULTRA HIGH DEFINITION VIDEO SYSTEM CENTRE (4K) WITH LED LIGHT SOURCE**

Ultra High Definition/ 4K Video Processor System with latest Artificial Intelligence (AI) / Computer Aided  
Digital Outputs: 12G-SDI, 3G-SDI, HD-SDI and SD-SDI or equivalent

Touch screen display

Analog Outputs: VBS/ Composite / Y/C or Equivalent Ultra HD Image Quality

Iris Mode: Avg, Peak, Auto

Color Adjustment, Structure emphasis, Tone enhancement Electronic Zoom 3-mode

Contrast: 2-Steps HIGH and LOW

Freeze screen display and pre-freeze function

Patient, doctors & clinical procedures list storage facility Programmable functions through endoscope

**Keyboard for data handling**

Capable for visual enhancement and differentiation of vessels and Capillaries

(TXI, RDI, BAI-MAC/ NBI and AFI)

Backward compatibility with previous versions of video scopes from the same manufacturer

Complete with cables and connections

User settings The function settings for up to 20 users can be stored

**Image size selection**

The size of the endoscopic image can be selected from 2 modes. (Except SDTV)

Electric zoom Switch between mode 1, mode 2, and mode 3.

PIP/POP Switch between PIP and POP.

Aspect ratio Switch between 16:9 and 4:3. (Except SDTV) Freeze Freeze the endoscopic image

Switch setting values of multiple functions at once Separate or built in advanced LED light Source For

High intensity LED lights  
Longer life with low-energy consumption  
Special light observation modes (BLI, LCI, FICE / TXI, RDI, BAI-MAC/ NBI/ AFI)  
Automatic & manual Brightness adjustment Memorization of set-values  
Air pump – Hi, Low, Off  
Water Tank must be supplied along-with the light source  
Trolley Based Workstation.  
Swivel arm for monitor.  
Electrical wiring with sockets and isolation transformer Sliding Keyboard shelf / tray.  
Placement provision of printer.  
Imported (to be supplied by the same manufacturer)

**E LED / LCD ULTRA HIGH DEFINITION COLOR MONITOR 32"**

32" or more Medical Grade same manufacturer for best quality ULTRA HD 4K Resolution 3840 x 2160 or  
Contrast Ratio 1000:1 Luminance: 450cd/m<sup>2</sup> Viewing angle 178/ 178 degree No of color 1.07billion  
Image enhancement AIME Flip pattern Rotation  
4K input 12G-SDI x 2 Display Port X1, HDMI x 1 4K Output 12G-SDI x 2  
Trolley Mounted  
Multi Display Mode PIP & POP Aspect ratio of 16:9 or more.

**F CO<sub>2</sub> REGULATION/CO<sub>2</sub> INSUFFLATOR**

Single-button control  
Simple start/stop button on the front panel, enabling you to control gas flow rates efficiently and  
Connection to gas cylinder via dedicated cylinder hose  
A dedicated cylinder hose ensures easy exchange of carbon dioxide cylinders. This procedure is simple,  
Connection to hospital medical gas supply  
You can also connect to the hospital's medical gas supply, ensuring an unlimited supply of gas, and  
Compact and lightweight  
Compact in size and lightweight, allowing you to incorporate it easily into your existing endoscopy  
Including Cylinder hose Gas Tube From same manufacturer

## **G ELECTO SURGICAL UNIT WITH APC**

Fast Spark Monitor Technology High-Power Cut Support

Contact Quality Monitoring function Leakage-Protection Sensor

Cut Modes

Pure Cut: Continuous cutting mode with low coagulation effect Pulse Cut Slow/Fast: Intermittent cutting endoscopic procedures

Blend Cut: Continuous cutting mode with increased coagulation effect – ideal for dissection

### **Coagulation Modes**

Soft Coag: Slow and deep coagulation – optimal for coagulation of thick blood vessels

Spray Coag: Contact-free coagulation – optimal for POEM procedures

Forced Coag: Fast and effective coagulation

Power Coag: Fast and effective coagulation with increased dissection capability

Argon Plasma Modes

Forced Argon: Continuous argon plasma beam with steady power output for fast and effective large area haemostasis and ablation

Pulsed Argon Slow/Fast: Pulsed argon plasma beam with intermittent power output for a more controlled effect on tissue Comprising following accessories:

Wireless foot switch Including receiver and charger Imported System cart

Active cord for ET instruments, 8 mm

Connecting cable for disposable neutral electrode Split neutral electrode, disposable, 10 pcs Pressure Argon Plasma Probes (10)

## **E RECORDING SYSTEM 4K/3D**

Recording with high image quality can be achieved by optimally adjusting the parameters for video

Mode supporting over-range for video processors

Mode enabling obscuring of noises at far points for 3D image (2D recording) and gastrointestinal

Mode enabling replay of BT.2020 color for 4K image in BT.709 environment, etc.

Easy-to-use touch screen compliant with IPF-3 generation UI guidelines GUI designs optimized to fit

Operation screen in which scenes are classified so that the required operations can be identified without

Voice notification that residual recording capacity is insufficient to prevent forgetting to exchange media  
Operational tools optimal for operator/location  
Operation using scope and foot switches from a sterile area  
Infrared wireless remote controller enabling capture and start/stop of recording from a remote location  
Capture and "video production" operations using the scope switch Patient information is imported from  
Recorded still images are printed out using the video printer Even if the capacity of external media runs  
Images can be exported in exFAT format and also recorded on large- capacity USB hard disk drives above  
Video exported on an USB hard disk can be loaded in both Windows and Mac environments.  
Voice can be recorded in synchronization with video of patient procedures simply by connecting a  
A volume adjust function is provided for voice recording, enabling replay/confirmation of the voice  
Preset function calling up settings defined by individual users

**F SUCTION PUMP FOR ENDOSCOPE**

Dedicated for Endoscopy featuring high vacuum high flow Vacuum: 95 Kpa, Max Air flow rate: 60 l/min  
Impact resistant autoclavable jar

**G MAINTENANCE UNIT**

Maintenance unit with leakage tester for endoscopy

**H ENDOSCOPIC WASHER & PRE-PROCESSOR (IMPORTED)**

Automatic High Pressure Washing & Cleaning capability Free standing type  
Applicable scopes, Flexible endoscopes Number of reprocessed scopes 01/ 02 at a time Number of  
Cleaning time setting, 1-10 minutes Disinfection time setting 5-60 minutes Display of Parameters  
Compatible with quoted scopes  
Complete with all accessories. Ready to use

**CABINET FOR SCOPE HANGING**

state-of-the-art Endoscope Storage and Drying Cabinets with full traceability for the safe storage of  
Storage of up to 5 or 10 endoscopes Up to 31 days storage

HEPA-filtered air supplied to each endoscope ensures channels are dried within 3 hours Secure

**Imported**

**BATTERY BACKUP UPS 3KVA**

Pure Sine Wave

**I THERAPEUTIC ACCESSORIES FOR:**

**UPPER GI**

FOR LOWER GI FOR ERCP

FOR EUS

**J HD ENDOSCOPIC ULTRA SOUND SYSTEM EUS)**

High Resolution Digital Color Ultrasound Scanner for endoscopic Examination and elastography with Operating modes 2D and 3D

Flow mode and combination, Power Doppler, Pulse wave Doppler and B-mode,

**Image**

Full / Central screen

Full HD Display via HD-SDI and DVI ports Computing systems

Digital EUS system with alpha numeric keyboard and built in trackball

Compatible with EUS miniature probes Dual scanning Electronic and Mechanical LCD touch screen 6-inch

Freeze facility with key board or endoscope,

foot switch

**Electronic Scanning:**

Mode B mode, FLOW mode, PW mode

Scanning Radial scanning, curved linear array scanning Electronic scanning B mode

Transmission frequencies 5, 6, 7.5, 10, 12 MHz

Display range 2, 3, 4, 5, 6, 7, 8, 9, 12 cm Display processing Rotation Rotatable

Display area Radial scanning: Full circle, bottom sector, top sector, scroll

Curved linear array scanning: Fixed Direction Normal/Inverse

Cine memory Over 600 frames storable depending on the conditions Signal processing setting

Gain 20 steps, adjustable. Contrast 8 steps, adjustable.

STC 21 steps for each of 7 distances, adjustable. Focus Auto Preset Near, far

Focus setting Focus location adjustable. Focus number adjustable.

Image adjustment Enhance ON/OFF Compound ON/OFF

Electronic scanning FLOW mode

Mode COLOR-FLOW mode, POWER-FLOW mode,  
H-FLOW mode.

Doppler signal processing setting

Velocity range Maximum 22 steps, adjustable (r 0.6 – r119.3 cm/s) depending on the conditions.

Flow gain 32 steps, adjustable. Display processing

Display mode Selection of B mode image, superimposed display or dual-screen display is possible.

Electronic scanning PW mode (Pulsed Wave Doppler) Analysis FFT method

Detectable depth 0 – 120 mm

Maximum detectable velocity ANGLE ADJUST 0q =72.9167 cm/s ANGLE ADJUST 60q =145.8333 cm/s (5.0

PW mode signal processing setting Gain 61 steps, adjustable.

Pulse repetition

frequency Max 20 steps, adjustable (1 – 10 kHz).

Sample length 0.5 – 5.0 mm: 0.5 mm step

5.0 – 15.0 mm: 1.0 mm step Angle adjust Applicable ( $\pm 60q$ ). Wall filter 12 steps

Display processing Baseline shift Applicable Invert The PW waveform display upside down. Sweep speed

Display mode B + PW, COLOR + PW, POWER + PW, H-FLOW + PW

Audio output

Volume Adjusts the volume of the Pulse Wave Doppler waveform. Measurement Distance Possible to  
Area/circumference Measures area/circumference enclosed by caliper tracing.

PW Measurement

Velocity, Acceleration, Flow volume, Time average velocity, Ratio-time, Ratio-velocity, Average velocity,  
Estimation Volume

(only Mechanical scanning function) Calculates the volume. Electronic scanning B mode

Image adjustment THE: (Tissue Harmonic Echo) 3 Types, adjustable (OFF, THE-P, or THE-R).

Mode CH-B Mode for viewing the harmonic component from the ultrasound contrast agent using  
a color image on a Fundamental image.

Preset (CH agent type) 2 types, adjustable (Middle or low). Frequency selection 2 types, adjustable (CH-R

CH-EUS mode signal processing setting Gain 20 steps, adjustable.  
Contrast 8 steps, adjustable (CH-B only).  
STC 21 steps for each of 7 distances, adjustable. The settings is common for Fundamental image.  
Fundamental image setting Gain 20 steps, adjustable. Contrast 8 steps, adjustable.  
STC 21 steps for each of 7 distances, adjustable. The settings is common for contrast image.  
Display mode Selection of the CH-B or CH-COLOR  
single-screen image or dual-screen display of the fundamental and CH-B or CH-COLOR images.  
Movie recording Image format AVI  
saving type GENERAL (for normal movie data) or TIC (for TIC movie data)  
Maximum recording time 3 minutes (per one file)  
TIC Analysis Analysis target modes When the CH-B mode or THE mode is activated  
in the B mode.  
ROI setting Number & Shape Max. 5, Ellipse  
Operation Copy, Rotate, Delete, Interpolation, Move, and modify the ROI size.  
Review of motion image Review (Forward), Frame Review (Forward/Backward), Review Speed (5 steps  
Analysis result Form Display of ROI, Graphs, and Data Graph display Averaged Intensity, Fitting Curve  
Signal processing setting  
STRAIN ADJUST 5 steps, adjustable. Pressurization state guide  
Pressurization bar Pressurization status indication in 7 steps. Strain graph Time variation of tissue strain  
Reference line 5 steps, adjustable (width of the reference). Sweep speed 8 kinds, adjustable (1, 1.5, 2, 3,  
Sector 5 kinds, adjustable (OFF, 1, 2, 3, 4).  
Gain 10 steps, adjustable for the Y-axis scale of strain graph.  
Strain ratio measurement The amounts of the strain and their ratio in two areas.  
Mechanical scanning function Mode B mode  
Scanning Radial scanning  
Usable frequencies C5, C7.5, C12, C20, 7.5, 12, 20 MHz  
Display range 2, 3, 4, 6, 9, 12 cm Display processing Rotation Rotatable.  
Display area Full circle, bottom sector, top sector, scroll Direction Normal/Inverse

Cine memory Maximum 160 frames cine review function Signal processing setting

Gain 20 steps, adjustable. Contrast 8 steps, adjustable.

STC 21 steps for each of 7 distances, adjustable.

3D display Provides 3D display by reconstructing multiple continuous 2D images acquired from 3D

MPR display Displays radial display images, helical display images, horizontal helical display images and

#### **K ULTRASONIC LINEAR GASTRO VIDEO SCOPE**

Field of View: 100° or better

Direction of View: Forward oblique 55° or more Distal End Diameter: 14.6 mm or less

Insertion tube: 12.8 mm or less Instrument Channel: 3.7 mm or more Working Length:

Display mode: B-Mode, Color Doppler / Color Flow. Scanning method: Curved linear Array

Scanning Direction: Parallel/longitudinal to insertion direction Frequency: Multi frequency

Angulations: 130°, 90°, 90°, 90° or better Connecting Method: Balloon Method/direct

Narrow band imaging or equivalent Superb imaging quality

Improved forceps elevator design Increased penetration depth

#### **L MOTORIZED SMALL INTESTINAL VIDEOSCOPE**

Small-Bowel Entero Scope for covering the entire small intestine, with the advanced technological

Direction of view: Forward viewing

Field of view 140° or equivalent or better

Depth of field 3 - 100 mm or equivalent or better

Distal end diameter 9.2 mm or equivalent or better

Insertion tube diameter 9.2 mm or equivalent or better

Channel inner diameter 3.2 mm or equivalent or better

Working Length 2000 or equivalent or better

Total Length 2280 mm or equivalent or better

Angulations: Up 180°, Down 180°

Right 160°, Left 160° or better

#### **Motorized Spiral Enteroscopy**

Allows whole-length of small intestine to be visualized Efficient hand control & automatic pressure

Observation facility for greater contrast of blood vessels and mucosa  
Should allow access to reach deep into the small intestine by pleating the small bowel onto the  
Should have integrated motor on the scope that can be controlled by the user with the help of a  
Should have High Definition Image Quality with Narrow Band Imaging capability  
All components of the Spiral Enteroscopy System should be latex free Should be equipped with water jet  
Balloon/rotation Control Unit:  
Set Pressure of Balloon:  $\pm 5$ Kpa or more Overtube x 50  
With Standard Set of Accessories

#### **M NON INVASIVE LIVER SCANNING SYSTEM WITH PROBES**

Fibroscan Expert™.

Non-Invasive quantitative liver stiffness, Spleen stiffness fibrosis measurement and  
Quantification of fatty liver disease. Diagnostic and Management device. Vibration Controlled Transient  
LSM\*by VCTE™ Liver Fibrosis

LSM by VCTE™ is unique, patented and validated for liver fibrosis assessment.

- It is the standard for non-invasive evaluation of liver stiffness.
- 2000 peer-reviewed publications support the use of LSM by VCTE™. CCAP™\*\*Liver Steatosis

CCAP™ is unique, patented and validated for liver steatosis assessment.

- 330 international and peer-reviewed articles support the use of CAP™.2,3 SSM \*by VCTE™

Portal hypertension

SSM by VCTE™ is unique, patented and validated for portal hypertension assessment and can be used

- It is a new marker for non-invasive evaluation of spleen stiffness.
  - 50 peer-review ed publications support the use of SSM by VCTE™ System Quality Assurance
- LED-indicator for delivery of proper Probe Pressure on Skin. Controlled, Reproducible 50-Hz/100-  
Automatic Skin-to-Liver-Capsule Distance Advice.

TM-mode Ultrasound display to localize Liver parenchyma. A-mode Ultrasound display to confirm  
Liver Targeting Tool to affirm proper location of probe tip. Automatic “Invalid Measurement” analysis  
System Hardware Components

Integrated Application-Specific Console and Touch Screen 19” touch screen. Pre-installed Data

Pre-configured Data storage/database to optimize data management. Ergonomic design allows Liver Stiffness (LS) in kPa displayed for each measurement. Interquartile Range (IQR) calculated and

### **System Output**

Individual patient report outputted to PDF format. Individual patient report outputted to XLS format.

Raw data stored in proprietary FIBX format. Connectivity

Ethernet Connector RJ 45. 3 USB 3.0 Ports.

HDMI Port

Guidance Probe Connector HDMI out put

1 auxiliary output (footswitch compatible) Ground Connector

M- PROBE (Standard Probe) INCLUDED IN ABOVE PRICE

Model: M+

The M probe is designed for the general population Ultrasound frequency is

3.5 MHz

Penetration through tissues over 25 to 65 mm depth. GUIDANCE PROBE

Designed on B mode localization for spleen stiffness measurement Spleen shear wave frequency 100 Hz

Frequencies standard and Deep 1 presets: 3.0 MHz Deep 2 presets: 2.0 MHz

SM ART EXAM CAP™ (Controlled Attenuation Parameters.) INCLUDED IN ABOVE PRICE

For Quantification of Steatosis in Fatty liver diseases

New computation method for ultrasonic acquired stiffness measurement. Continuous CAP™ decreases

Simple CAP™ PCD is 35 mm vs SMART EXAM CAP PCD 45 mm (Probe to capsule distance) SMART EXAM

Metrological Data

Liver stiffness range with VCTE™ 1.5 kPa (Min) – 75.0 kPa (Max) Liver shear wave frequency 50 Hz

CAP™ RANGE 100 dB/m (Min) – 400 dB/m (Max)

Spleen stiffness range with VCTE™ 6 kPa (Min) – 100 kPa (Max) Spleen shear wave frequency 100 Hz

XL- PROBE (for Obese Patients) INCLUDED IN ABOVE PRICE Model: XL+

A more sensitive ultrasound sensor has been designed to enhance deeper signal Ultrasound frequency

Penetration through tissues over a 35 to 75mm depth. Clinically validated:2,000 plus peer-reviewed

Country of Origin France Manufacturer Echosens WARRANTY: one year.

## **N ESOPHEGEAL, ANORECTAL MANOMETRY & PH STUDIES APPARATUS**

A single hardware platform that has the capability for multiple diagnostic testing modules, including:

High Resolution Impedance Manometry (HRiM) High Resolution Anorectal Manometry (HRAM)

A single hardware platform capable of supporting multiple technology configurations, including:

Catheter specific guided protocols with data acquisition software to guide the user through the study

Application specific system cart, including:

Hydraulic movement allowing the user to stand when performing a study or in a seated position to analyze the study; Integrated power isolation transformer; Large lockable storage drawer; Printer shelf;

24" medical grade touch screen monitor Solid-State Catheter Configurations:

High Resolution Impedance Manometry (HRiM):

- 12 FR, with at least 32 true circumferential pressure sensors spaced at 1cm intervals and 16 impedance channels spaced at 2 cm intervals; High Resolution Anorectal Manometry

- 12 FR with at least 23 Directional Pressure sensors, including 5 rings with 4 sensors positioned

All solid state catheters should be protected against submersion in approved cleaning and disinfection.

The system should be upgradable of other GI functional tests, including Biofeedback, Pudendal Nerve

System must have a computer using Windows OS and Analysis Software

1. For HRiM Analysis, bolus transit should be able to be displayed either as a separate image or as an
2. The Analysis software should include the capability to automatically analyze manometric data using the Chicago Classifications or Conventional Manometric Analysis functions
3. Software must support real-time SyncVIEW using Wire Frame

### **Multi-Dimensional Display**

Technology capable of showing "virtual oesophagus" playback using advanced wire frame analysis software.

4. The report should contain a data table including all Chicago Classification analysis metrics, including IRP, DCI, CFV, Distal Latency and Peristaltic Breaks.
5. The report should contain a data table including Conventional Manometry findings.

- 6. The report should provide LES Profile Data as well as Bolus Transit metrics (Impedance catheter only)
- 7. The Acquisition Software should provide the capability of viewing using either HREPT (High Resolution Esophageal Pressure Topography), standard waveforms, SyncVIEW using Wire Frame Multi-
- 8. Acquisition software should have catheter specific guided protocols to guide the user through the
- 9. Analysis Software should be loadable on an unlimited number of PCs at no additional charge. No user
- 10. Should provide free software updates for the life of the product
- 11. During data acquisition, there should be a facility for pausing & restarting the recording, which
- 12. There should be facility for marking events like the type of swallow, the position of the catheter,

**Operation requirement**

- 1. Ambient Temperature: 10 to 40 degrees C; Altitude: -400 to 2200 meters MSL
- 2. Power Specs: 100-230V; 50-60Hz Training
  - i. Cyber-coaching from a Registered Nurse experienced in motility
  - ii. Online training program with downloadable teaching modules Comprehensive Warranty
    - 1. One years comprehensive hardware warranty.
    - 2. Spare parts and required consumables should be available for a period of at least 5-years from the
    - 3. The High Resolution Manometry Catheter should have a two-year / 200 use Warranty including repair
    - 4. The equipment should follow international standards and safety requirement. Should be US FDA Technical Support
      - 1. The manufacturer should provide 24/7/365 Technical Support
      - 2. The manufacturer should have on-line diagnostic capabilities for the system and software, free of

**Note: The Biomedical Equipments shall met the Certification (FDA/CE/MHLW) where applicable**

**Country of Manufacture: Preferably - USA/Europe/Japan**

**GYNAECOLOGY/OBSTETRICS DEPARTEMENT**

<b>2</b>	<b>Biopsy Forceps</b>		<b>1</b>
	Baby Tischler Biopsy Punch Forceps	295 mm to Shoulder. 2 mm x 5 mm Bite	
	Eppendorf Biopsy Punch Forceps with Finger Rings	200 mm to Shoulder. 3 mm x 8 mm Blade	

Kevorkian Biopsy Punch Forceps	N/A
Tischler Morgan Biopsy Punch Forceps	3 mm x 7 mm Bite. 295 mm to Shoulder
Van Doren Cervical Biopsy Punch with Curved Basket Jaw, Angled Shanks	267 mm (10 1/2``)
Wittner Cervical Biopsy Punch - Jaws Curved to Side	230 mm (9``)

<b>3</b>	<b>Myomectomy Set</b>		<b>1</b>
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Composition: Myoma Screw: 5mm	2
Myoma Screw: 10mm	2
BONNEY myomectomy clamp: 27 cm	2

<b>4</b>	<b>ICU beds</b>		<b>20</b>
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Side L2120*W970*H450/740mm
Head and foot board ABS
Castor Brake castor
Motor Linak
Panel Stainless steel panel
Guardrail Aluminium alloy guardrail
Backtest function: 75°±5°
Head and foot tilting: 12°±2°
Footrest function: 45°±5°
The whole bed up&down: 450-740mm
Standard configuration Motor 4 Pcs
Head and foot board 1 Pair
Guardrail 1 Pair
Castor 4 Pcs
Control handle 1 Pc
I.V. Stand 1 Pc
I.V. Stand hole 4 Pcs
Drainage hook 4 Pcs

More Details Advanced electrostatic powder spray surface, anti-aging and anti-rust.  
 Bed frame is welded by profile steel, stable and reliable.

One pass rolled bed board with ventilation holes(with flexible connection)

With ABS head and foot board,European style aluminium side rails.  
 With 5" central lock brake castors  
 With Linak motor with battery.  
 With 4 sections cold steel sleeping board.  
 With TR function  
 With examination position  
 With plastic cover on the bottom

**UROLOGY DEPARTMENT**

<b>5</b>	<b>NEPHROSCOPE (MIP)</b>	minimally invasive PCNL small size	<b>1</b>
		Nephroscope with angled eyepiece, 7.5 Fr., 6 , length 24 cm, autoclavable, 1 working channel 2 Fr., 1 irrigation channel 3 Fr.,	1
		fiber optic light transmission incorporated, for use with Operating Sheaths	
		<b>The following accessories are included in delivery:</b>	
		Insertion Aid	
		Instrument Port with Sealing System and Quick Release Lock	
		LUER-Lock Tube Connector	
		LUER-Lock Tube Connector, with stopcock	
		Seal, package of 10	
		Multiport Bridge	
		Cleaning Adaptor	
		Wire Tray	
		One Step Dilator, with central channel for guide wires, for use with 8.5/9.5 Fr. Operating Sheaths	1
		Operating Sheath, for MIP XS Extra small), 8.5/9.5 Fr., working length 15 cm, for use with Nephroscope for , One Step Dilator and Applicator	1

One Step Dilator, with central channel for guide wires, for use with 1

Operating Sheath 11/12 Fr.  
Operating Sheath, for MIPs(minimally invasive pcnl small) , 11/12 Fr.  
working length 15 cm, for continuous 1  
irrigation and suction, for use with Nephroscope for

One Step Dilator and Applicator  
Operating Sheath, for the supine position, 11/12 Fr., working length 18 cm, 1  
for continuous irrigation and suction, for use with Nephroscope for

One Step Dilator and Applicator  
Applicator for Sealing, including sheath and pusher for use with 1  
Operating Sheaths

Applicator, for supine position, with rod for sealing with sheath, for 1  
use with Operating Sheaths

6	NEPHROSCOPE (MIP - M)	M (medium size)	1
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Nephroscope for , with angled eyepiece, 12 Fr., 12°, length 22 cm, 1

autoclavable, 1 working channel 6.7 Fr. for instruments up to 5 Fr.,

fiber optic light transmission incorporated, for use with Operating Sheaths

**Following accessories are included in delivery:**

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

One Step Dilator, with central channel for guide wires, for use with 1  
15/16 Fr.

Operating Sheaths

One Step Dilator, with central channel and a second eccentric channel for	1
guide wires, for use with 16.5/17.5 Fr. Operating Sheaths	
One Step Dilator, with central channel for guide wires and distal curved	1
channel for deflection of guide wires, for use with 21/22 Fr. Operating Sheaths	
Operating Sheath, 15/16 Fr., working length 15 cm, for continuous	1
irrigation and suction for use with Nephroscope for	
One Step Dilator and Applicator	
Operating Sheath, 16.5/17.5 Fr., working length 15 cm, for continuous	1
irrigation and suction for use with Nephroscope for	
One Step Dilator and Applicator	
Operating Sheath, 21/22 Fr., working length 15 cm, for continuous	1
irrigation	
and suction, for use with Nephroscope for	
One Step Dilator and Applicator	
Grasping Forceps for Foreign Bodies, 5 Fr., double action jaws, flexible,	1
length 40 cm,	
Biopsy Forceps, 5 Fr., double action jaws, flexible, length 40 cm,	1
Scissors, single action jaws, 5 Fr., flexible, length 40 cm, for use with	1
Nephroscope for	
Grasping Forceps, rigid, for large stones and stone fragments,	1
3 expanding jaws and small fixation spikes, with spring handle,	
length 36 cm, for use with Nephroscope for and	
instrument port	
large size	<b>1</b>
Nephroscope for MIP L, with angled eyepiece, 19.5 Fr., HOPKINS® rod	1
lens	

<b>7</b>	<b>NEPHROSCOPE (MIP C111- L)</b>		<b>1</b>
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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 and Instrument Port

**The following accessories are included in delivery:**

Instrument Port

LUER-Lock Tube Connector, male

LUER-Lock Tube Connector

Insertion Aid

Silicone Leaflet Washer, package of 10

Seal, package of 10

Wire Tray

Dilator for MIP L, with central channel and a second eccentric channel for 1

guide wires, for use with 23/24 Fr. Operating Sheaths

Operating Sheath, 23/24 Fr., working length 15 cm, for continuous 1

irrigation and suction, for use with Nephroscope for

Dilator and Applicator

Operating Sheath, for the supine position, 23/24 Fr., working length 18 cm, 1

for continuous irrigation and suction, for use with Nephroscope

One Step Dilator and Applicator

Applicator for Sealant, including sheath and rod, for use with 1  
Operating Sheaths

Forceps, for grasping stone fragments and coagula, with fenestrated 1  
jaws

and U-spring handle, 11.5 Fr., length 38 cm,

<b>8</b>	<b>URS (ADULT)</b>		<b>1</b>
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Uretero-Renoscope, 8 Fr., 6°, length 43 cm, distal tip 7 Fr., instrument sheath 1

8 Fr., one-step, 12 Fr., autoclavable, with angled eyepiece, fiber optic light transmission incorporated, 2 lateral irrigation ports and 1 working

channel 5 Fr., for use with instruments up to 4 Fr.

**The following accessories are included in delivery:**

Uretero-Renoscope

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

PEREZ CASTRO Forceps, long jaws for Steinstrase, rigid, double action jaws, 1

4 Fr., length 60 cm,

Grasping Forceps for stone fragments, double action jaws, 4 Fr., rigid, 1

length 60 cm,

Biopsy Forceps, rigid, double action jaws, 4 Fr., length 60 cm, 1

Grasping Forceps for large stone fragments, double action jaws, 4 Fr., rigid, 1

length 60 cm,

Stone Basket, nitinol, with tip, helical, 2.5 Fr., length 120 cm, 4 wires, 1

basket diameter 16 mm, sterile, for single use

<b>9</b>	<b>CYSTOSCOPE (ADULT)</b>		<b>1</b>
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Telescope 30°, diameter 4 mm, length 30 cm, 1

autoclavable, fiber optic light transmission incorporated,

Cystoscope-Urethroscope Sheath, 22 Fr., with stopcocks at the proximal end, 1

**Consisting of:**

Sheath	
Obturator and 2 LUER-Lock cones	
Cystoscope-Urethroscope Sheath, 17 Fr., with stopcocks at the proximal	1
<b>Consisting of:</b>	
Cystoscope-Urethroscope Sheath	
Obturator and 2 LUER-Lock Cones	
Telescope Bridge, with 2 lockable channels	1
Catheter Deflecting Mechanism with 2 lockable channels, with ratchet,	1
filling rod included	
Grasping Forceps for removal of foreign bodies, 7 Fr. double action jaws, flexible, length 40 cm	1
Biopsy Forceps, 7 Fr., double action jaws, flexible, length 40 cm	1
Coagulating Electrode, 4 Fr., unipolar, length 53 cm	1
Unipolar High Frequency Cord, with 4 mm plug, length 300 cm, for models	1

<b>10</b>	<b>URETHROTOME (ADULT)</b>	<b>1</b>
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Telescope 30°, diameter 4 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated,	1
SACHSE Urethrotome Sheath, 21 Fr., with channel for FILIFORM bougies	1
<b>Consisting of:</b>	
SACHSE Urethrotome Sheath and 2 LUER-Lock cones	
Obturator, for urethrotome sheath, 21 Fr.,	1
Telescope Bridge, with channel for instruments up to 5 Fr.	1
Supplementary Sheath, half-round, to insert a balloon catheter, to slip on urethrotome sheath	1
Supplementary Sheath, for continuous irrigation and suction, to slip on	1
Urethrotome Sheath	
<b>Consisting of:</b>	

	Supplementary Sheath Sealing cap and LUER-Lock cones		
	Working Element (also for use with optical Urethrotome) Motion by means of a spring. The thumb support is movable. In rest position the electrode is inside the sheath.	1	
	Cold Knife straight, not to be used with HF current	1	
<b>11</b>	<b>RESECTOSCOPE (ADULT) MONOPOLAR</b>		<b>1</b>
	Telescope 30°, diameter 4 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated,	1	
	Working Element Motion by means of a finger grip. In rest position the electrode is outside the sheath.	1	
	Resectoscope Sheath, 26 Fr., oblique beak, rotating inner sheath with ceramic insulation, color code: yellow	1	
	<b>Consisting of:</b>		
	Resectoscope Sheath		
	Inner Sheath		
	Connecting Tube for In- and Outflow		
	Standard Obturator, for 24/26 Fr. Sheaths	1	
	ELLIK Evacuator	1	
	Cutting Loop angled, 24/26 Fr.,	1	
	Unipolar High Frequency Cord, with 4 mm plug, length 300 cm,	1	
<b>12</b>	<b>BIPOLAR RESECTOSCOPE (ADULT)</b>		<b>1</b>
	Telescope 30°, diameter 4 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated,	1	
	Electrome,	1	
	<b>Consisting of:</b>		
	Working Element		
	Cutting Loop, bipolar		
	Coagulation Electrode, bipolar		
	Bipolar High Frequency Cord		
	Protection Tube		

Resectoscope Sheath, 26 Fr., oblique beak, rotating inner sheath with ceramic insulation,	1
<b>Consisting of:</b>	
Resectoscope Sheath	
Inner Sheath	
Connecting Tube for In- and Outflow	
SCHMIEDT Visual Obturator, for use with sheaths 24/26 Fr.,	1
Cutting Loop, bipolar, 24/26 Fr., for use with Telescopes	1
Bipolar High Frequency Cord,	1
High-End, power supply 220 - 240 VAC, 50/60 Hz,	1
including mains cord, HF connecting sockets unipolar: 2x 3-pin US type 5mm	
2x 4 mm connector (via footswitch)	
Two-Pedal Footswitch with button for switchover function,	1
Bipolar High Frequency Cord, length 400 cm,	1
Neutral Electrode, reusable, of conductive silicone, with 2 rubber ties	1
Connecting cord neutral electrode,	1
VapoEnucleation Electrode, hemispherical, 24/26 Fr.,	1
Vaporization Electrode, half moon®, bipolar, ball-shaped, 24/26 Fr.,	1
Surgical electrode set,	1
<b>Consisting of:</b>	
Box with lid and sterilization insert for 16 electrodes with 4 mm ø	
Wire Snare, 5 mm	
Wire Snare, 10 mm	
Ribbon Snare, 10 mm	
KIRSCHNER Knife Electrode, angled	
MAGENAU Knife Electrode, angled	
Knife Electrode, lancet-shaped.	
Ball Electrode, 2 mm	
Ball Electrode, 4 mm	



sheath size 16 Fr., working length 37 cm

**Following accessories are included:**

CMOS Video Cysto-Urethroscope C-VIEW

Case

Grasping Forceps

Biopsy Forceps

Pressure Compensation Cap

Leakage Tester

Cleaning Brush

LUER-Adaptor

Cleaning Adaptor, for Instrument Ports

1

Monitor for CMOS Endoscopes, Kit, screen size 7" with

1

1280 x 800 pixel resolution, two camera inputs, a USB and a HDMI port,

optimized user interface, 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,

**Consisting of:**

C-MAC® Monitor

SD Card 8GB

Protection Cap

VESA 75 Quick Clip ET27-30-0004943 Power Supply Set

Stand for CMAC Mounting Stainless Steel Made

1

Plastic Container for Flexible Endoscopes, suitable for gas and hydrogen peroxide (Sterrad®) sterilization and storage, external dimensions (w x d x h): 550 x 260 x 90 mm, for use with a flexible endoscope 1

15	<b>VIDEO URS</b>		<b>1</b>
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Video Uretero-Renoscope, Kit steerable, compatible with Image 1 s, 1

Working channel 3.6 Fr., Direction of view: 0°, Angle of view: 90°,

Working length: 70 cm, Sheath size: 8.5 Fr.,

**Following accessories are included in delivery:**

Case

Pressure Compensation Cap

Leakage Tester

Cleaning Brush

LUER-Adaptor, with seal

connect module, for use with up to 3 link modules, 1

resolution 1920 x 1080 pixels, with integrated and digital

Image Processing Module, power supply 100 - 120 VAC/200 - 240 VAC,

50/60 Hz

**Including:**

Mains Cord, length 300 cm

DVI-D Connecting Cable, length 300 cm

SCB Connecting Cable, length 100 cm

USB Flash Drive, 32 GB

USB Silicone Keyboard, with touchpad, US

link module, for use with flexible video endoscopes and 1

one-chip camera heads (up to FULL HD), power supply 100-

120VAC/200-240VAC,

50/60 Hz,

**Including:**

Mains Cord, length 300 cm  
 Link Cable, length 20 cm for use with  
 CONNECT  
 Video Endoscope Adaptor, color systems PAL/NTSC, length 60 cm, 1  
 for use with  
 27" FULL HD Monitor, color systems PAL/NTSC, max. screen resolution 1  
 1920 x 1080, image format 16:9, Interface: RS 232, power supply 85-  
 264VAC,  
 50/60 Hz, wall mount with VESA 100 adaptor  
**Including:**  
 External 24 VDC Power Supply Mains Cord  
 Equipment Cart rides on 4 antistatic dual castor wheels 1  
 powder coated with shelves and drawers **(Locally supply)**

<b>16</b>	<b>IMAGE 1S FULL HD 3CHIP CAMERA SYSTEM</b>		<b>1</b>
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connect module, for use with up to 3 link modules, 1  
 resolution 1920 x 1080 pixels, with integrated and digital  
 Image Processing Module, power supply 100 - 120 VAC/200 - 240 VAC,  
 50/60 Hz  
**Including:**  
 Mains Cord, length 300 cm  
 DVI-D Connecting Cable, length 300 cm  
 SCB Connecting Cable, length 100 cm  
 USB Flash Drive, 32 GB  
 USB Silicone Keyboard, with touchpad, US  
 link module, for use with IMAGE1 FULL HD three-chip 1  
 camera heads, power supply 100 - 120 VAC/200 - 240 VAC, 50/60 Hz  
**Including:**  
 Mains Cord, length 300 cm  
 Link Cable, length 20 cm for use with  
 CONNECT

Three-Chip FULL HD Camera Head, S-technologies available, progressive scan, soakable, gas- and plasma-sterilizable, with integrated 1

Parfocal Zoom Lens, focal length f = 15 - 31 mm (2x), 2 freely programmable

camera head buttons, for use with

S-Technologies only available for

Power LED 175 SCB, with integrated high-performance LED and one light outlet, power supply 110 - 240 VAC, 50/60 Hz 1

**Including:**  
Mains Cord  
SCB Connecting Cable  
Fiber Optic Light Cable, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 250 cm 1

27" FULL HD Monitor, color systems PAL/NTSC, max. screen resolution 1920 x 1080, image format 16:9, Interface: RS 232, power supply 85 - 264 VAC, 50/60 Hz, wall mount with VESA 100 adaptor

**Including:**  
External 24 VDC Power Supply Mains Cord  
Equipment Cart rides on 4 antistatic dual castor wheels powder coated with shelves and drawz (**Locally supply**) 1

<b>17</b>	<b>HOLMIUM LASER SYSTEM</b>	<b>1</b>
	Holmium LASER system 35 watt, power supply 230 VAC, 50/60 Hz, <u><b>Technical Data :</b></u> Laser type : pulsed Ho:YAG laser Wavelength : 2080 nm Output : Po = max. 35 Watt, Pp = max. 10 kW	1

Repetition rate :	4/6/8/10/12/15/17/20/22/ 25/27/30 Hz
Pulse duration :	90 ... 2000 $\mu$ s
Energy :	0.2/0.4/0.6/0.8/1.0/1.2/1.4/1.6/1.8/2.0/2.5/3.0 /3.5/4.0 J (max. 4.8 J)
Fiber types :	Bare fiber, 230 $\mu$ m, 365 $\mu$ m, 600 $\mu$ m fiber
Fiber connection :	Fiber recognition via modified SMA fiber connector
Divergence :	0.22 mrad half-angle
Aiming beam :	< 5 mW, 532 nm
Power supply :	Universal power supply unit 100 ... 240 VAC
Power frequency :	50/60 Hz
Current consumption :	max. 15 A
Cooling :	Integrated water cooling system with water/air - heat exchanger
Dimensions :	610 x 300 x 430 mm
Weight :	35 kg (incl. 2kg cooling water)
<b><u>Storage/transport conditions :</u></b>	
Temperature :	.-10°C ... 60°C
Humidity :	5% ... 95% (rel. humidity, non-condensing)
<b><u>Operating conditions :</u></b>	
Temperature :	18°C...28°C
Humidity :	30% ... 70% (non-condensing)
Atmosph.	700 ... 1060 hPa
Pressure :	
<b><u>Consisting of:</u></b>	
Main unit	
Mains Cord	
One-Pedal Footswitch	
Key Set	
Remote Interlock Connector	
Safety Goggles Ho:YAG LASER, 2080 nm	
Ion Exchanger	
Fiber, 230 $\mu$ m, reusable, sterile, length 300 cm,	

package of 6, for use system  
 Fiber, 365 µm, reusable, sterile, length 300 cm,  
 package of 6, for use with system  
 Fiber, 600 µm, reusable, sterile, length 300 cm,  
 package of 6, for use with system  
 Fiber Stripper Set, sterilizable,

**including**

Fiber Stripper 230 µm,  
 Fiber Stripper 365 µm,  
 Fiber Stripper 600 µm,  
 Ceramic Knife,  
 Silicone Pad,  
 Instruction for use

<b>18</b>	<b>NEPHROSCOPE (PAEDS)</b>	<b>1</b>
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Telescope 6 °, with angled eyepiece,  
 autoclavable, with working channel 5 Fr., fiber optic light  
 transmission  
 incorporated,

**Including:**

2 x Sealing Cap

Telescope Bougie Set, for tract dilation 1

**Consisting of:**

Telescope Bougie Set, 3 dilator sleeves, 9, 12 and 15 Fr.

Guide Wire, rigid

Guide Wire, flexible

Paediatric Operating Sheath, PCNL, 17 Fr., for percutaneous  
 nephrolithotomy, 1

**Consisting of:**

Paediatric Operating Sheath, including in- and  
 outflow tubes and 2 LUER-Lock cones

Hollow Obturator and Fascial Dilator 1

Grasping Forceps for stone fragments, double action jaws, 5  
 Fr., 1  
 length 30 cm

Grasping Forceps for larger stones and fragments, double action jaws, 5 Fr., length 30 cm 1

Biopsy Forceps, double action jaws, 5 Fr., length 30 cm 1

LED Nova 150, High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz 1

**Including:**  
 400A (Mains cord)  
 Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm 1

**Lithoclast system (with suction irrigation & stone breaking technology)**

<b>19</b>	<b>URS Peads</b>		<b>1</b>
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Paediatric Uretero-Renoscope, 7.3 Fr., 6°, one-step, conical, 7.3-7.6 Fr., working length 25 cm, autoclavable, with angled eyepiece, fiber optic light transmission incorporated, 2 lateral irrigation ports and 1 working channel 1

3.6 Fr. for instruments up to 3 Fr., with instruments port 27001G,

sealing and cleaning adapter  
 Forceps for grasping stone fragments, rigid, double action jaws, 3 Fr., length 60 cm, color code: green 1

LED Nova 150, High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz 1

**Including:**  
 400A (Main Cod)

	Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm	1
<b>20</b>	<b>CYSTOSCOPE (PAEDS)</b>	<b>1</b>
	Tele- scope 0°, ø 1.9/2.1 mm, autoclavable, fiber optic light transmission incorporated,	1
	Cystoscope-Urethroscope Sheath, 9.5 Fr., working length 14 cm, with 4 Fr. working channel,	1
	<b>Consisting of:</b> Cystoscope-Urethroscope Sheath Obturator and 2 LUER-Lock Cones	
	Cystoscope-Urethroscope Sheath, 11 Fr., working length 14 cm, with 5 Fr. working channel,	1
	<b>Consisting of:</b> Cystoscope-Urethroscope Sheath Obturator and 2 LUER-Lock Cones	
	Grasping Forceps double action jaws, flexible, 3 Fr., length 28 cm	1
	Biopsy Forceps, 3 Fr., double action jaws, flexible, length 28 cm	1
	Coagulating Electrode, 3 Fr., unipolar, length 53 cm	1
	Needle Electrode, 3 Fr., unipolar, length 53 cm	1
<b>21</b>	<b>URETHROTOME (PAEDS)</b>	<b>1</b>
	Tele- scope 0°, ø 1.9/2.1 mm, autoclavable, fiber optic light transmission incorporated,	1
	Working Element, motion by means of a spring. The thumb support is movable. In rest position the electrode is inside the sheath.	1
	Resectoscope Sheath, with LUER-Lock stopcock, 11 Fr., color code: green	1
	<b>consisting of:</b> Resectoscope Sheath Obturator and Connecting Tube for Inflow	

	Urethrotome Sheath, with LUER-Lock stopcock, 10 Fr.,	1
	<b>Consisting of:</b>	
	Urethrotome Sheath	
	Obturator and 2 LUER-Lock cones	
	Telescope Bridge, with 1 lockable channel	1
	Cold Knife, straight	1
	Cold Knife, round	1
	Cold knife, sickle-shaped	1
	Cold knife, hook-shaped	1
	Cutting Loop angled, color code: green	1
22	<b>RESECTOSCOPE (PAEDS)</b>	<b>1</b>
	Tele- scope 0°, ø 1.9/2.1 mm, autoclavable, fiber optic light transmission incorporated,	1
	Resectoscope Sheath, with LUER-Lock stopcock, 11 Fr., color code: green	1
	<b>Consisting of:</b>	
	Resectoscope Sheath	
	Obturator and Connecting Tube for Inflow	
	Working Element, motion by means of a spring. The thumb support is  movable. In rest position the electrode is inside the sheath.	1
	Urethrotome Sheath, with LUER-Lock stopcock, 10 Fr.,	1
	<b>Consisting of:</b>	
	Urethrotome Sheath	
	Obturator and 2 LUER-Lock cones	
	Telescope Bridge, with 1 lockable channel	1

**Note:**

The Biomedical Equipments shall met the Certification (FDA/CE/MHLW) where applicable

Country of Manufacture: Preferably - USA/Europe/Japan