



IMPULSE ENDOSCOPY & LAPAROSCOPY SYSTEM



Live broadcast by exclusive
intelligent terminal

CORPORATE
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 **HOTLINE**
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IMPULSE 1080P FULL HD Medical Endoscope Camera System



**IMPULSE 1080HD
FULL HD CAMERA (CMOS CAMERA)**

Technical Parameters

Full HD
16:9
1920 X 1080
ENDOSCOPE CAMERA

1. 1080P Full HD Camera High Resolution: 1920×1080.
2. 12bit digital image processing, optimum clarity.
3. 7-inch LCD Screen, display output images in real-time.
4. With image freezing and electronic zoom function.
5. Highest level of waterproof (IPX8) camera head, soaking disinfection.
6. AWC, freeze, brightness control buttons on camera head.

IMPULSE 1080P FULL HD Medical Endoscope Camera System



iPad real-time display

IMPULSE 1080HD FULL HD CAMERA (3CMOS CAMERA)

Full HD
16:9
1920 X 1080
ENDOSCOPE CAMERA

Technical Parameters

- ✦ Sensors: 3 groups of 1/3 inch CMOS sensors,
- ✦ Pixel: 1920 (H) X 1080 (V), 207.3 million pixels
- ✦ Clarity: 1080P
- ✦ Min illumination: 5Lx at F5.5
- ✦ White balance: AWC (auto white balance)
MANU (manual white balance control)
ATW (auto chasing white balance)
- ✦ Size of LCD screen: 8 inch
- ✦ Waterproofing grade: IP X 8
- ✦ Video output: BNC socket x 2
1.0V [p-p] Mixed video/75
Y/C (S-VIDEO) output: S terminal outlet x 1
Y: 0.7V [p-p] illumination level L/75
C: 0.3V [p-p] targeted level
RGB/YPbPr output: BNC socket x 3
R.G.B: 0.7V [p-p] each/75
Y: 0.7V [p-p] illumination level/75
Pb,Pr: 0.525V [p-p] chrome level, each/75
HD output: HDMI X 1
- ✦ Scanning standard: 1125 lines, 50 fields, 25frames
progressive scanning/Interlaced
scanning (optional)
- ✦ Input power: AC100-240V, 50/60Hz, 40VA
- ✦ Size: 436Lx350Wx154H mm
- ✦ Main features: Picture freeze
2.5 time digital zoom
Horizontal & vertical flip

Features

- ✦ **3 Cmos, Super HD**
Camera head is made with 3 Cmos chips and every group is 1080P. Clear images, rich & living colors. More pictures and clearer pictures can be picked with faster transfer and Low Power
- ✦ **Real time surgeon pictures output**
Pictures processing function inside, Surgeon pictures and Full HD Videos can be obtained. Convenient and Fast
- ✦ **Flexible mold**
Eliminate moire by clicking 1 Key and Make Flexible scope images same clarity as Rigid scopes
- ✦ **Full HD camera+Internet, Make Living broadcast easier**
Visit Camera by IPAD, View surgeon anytime and anywhere.
- ✦ **Global Exclusive Creation**
Camera can be visited by Ipad and Surgery video can be viewed by wireless way.
- ✦ **Zoom coupler**
One coupler can be used by all departments of hospital, Decreasing cost. advancing efficiency greatly.

4K UHD Medical Camera



SPECIFICATION

4K Camera Controller

- ✦ Digital video 4K:3840*2160 pixels image form 16:9
- ✦ Voltage: 100-240Vac
- ✦ Frequency: 50/60Hz
- ✦ Power consumption: 100VA
- ✦ Operating mode: Continuous
- ✦ Color control: Automatic white balance by press a button
- ✦ Brightness control: Automatic shutter control, automatic gain control
- ✦ White balance: Color temperature range between 2300K and 7000K
- ✦ Maximum resolution: 3840*2016 Pixels
- ✦ USB port (for external storage media): FAT32/NTFS File system
- ✦ Archive format: JPG/Bmp

4K 3-Chip Camera Head

- ✦ Cable length: 3m
- ✦ Degree of protection against the ingress of IPX 8
- ✦ Image capture: 3 Chip technology
- ✦ Thread for objective lens: C-mount
- ✦ Resolution: 3840*2160 pixels image form

Main Function

- ✦ 3840*2160 UHD resolution, valid pixels 8.29 millions, 2000 lines definition.
- ✦ 3 groups of 1/3 inch CMOS sensors, BT 2020 color gamut, color more realistic network
- ✦ real-time live broadcast and u disk real-time storage.
- ✦ 4K image and HD image ouput meanwhile,
- ✦ Strengthen blood vessel and digital zoom, blood capillary is more clear.
- ✦ Camera monitor and show the same image with medical monitor meanwhile.
- ✦ 10 endoscope model can fit different function.
- ✦ IPX 8 waterproof standard, meet disinfection requirements.
- ✦ Camera button custom control to meet different remote control needs.

4K FLUORESCENT Camera System



SPECIFICATION

4K Fluorescent Camera Controller

- ✦ Digital video 4K:3840*2160 pixels image form 16:9
- ✦ Voltage: 100-240Vac
- ✦ Frequency: 50/60Hz
- ✦ Power consumption: 100VA
- ✦ Operating mode: Continuous
- ✦ Color control: Automatic white balance by press a button
- ✦ Brightness control: Automatic shutter control, automatic gain control
- ✦ White balance: Color temperature range between 2300K and 7000K
- ✦ Maximum resolution: 3840*2016 Pixels
- ✦ USB port (for external storage media): FAT32/NTFS File system
- ✦ Archive format: JPG/Bmp

4K 4-Chip Camera Head

- ✦ Cable length: 3m
- ✦ Degree of protection against the ingress of IPX 8
- ✦ Image capture: 3 Chip technology
- ✦ Thread for objective lens: C-mount
- ✦ Resolution: 3840*2160 pixels image form
- ✦ Speical function: can show fluorescence image

Main Function

- ✦ 3840*2160 UHD resolution, valid pixels 8.29 millions, 2000 lines definition.
- ✦ 4 groups of 1/3 inch CMOS sensors, BT 2020 color gamut, color more realistic network real-time live broadcast and u disk real-time storage.
- ✦ 4K image and HD image ouput meanwhile,
- ✦ Strengthen blood vessel and digital zoom, blood capillary is more clear.
- ✦ Camera monitor and show the same image with medical monitor meanwhile.
- ✦ 10 endoscope model can fit different function.
- ✦ IPX 8 waterproof standard, meet disinfection requirements.
- ✦ Camera button custom control to meet different remote control needs.

HD Laparoscope



Diameter	Working Length	Direction of view			Autoclavable
5mm	300mm	0°	30°	45°	✓
5.5mm	300mm	0°	30°	45°	✓
10mm	330mm	0°	30°	45°	✓

HD Arthroscope



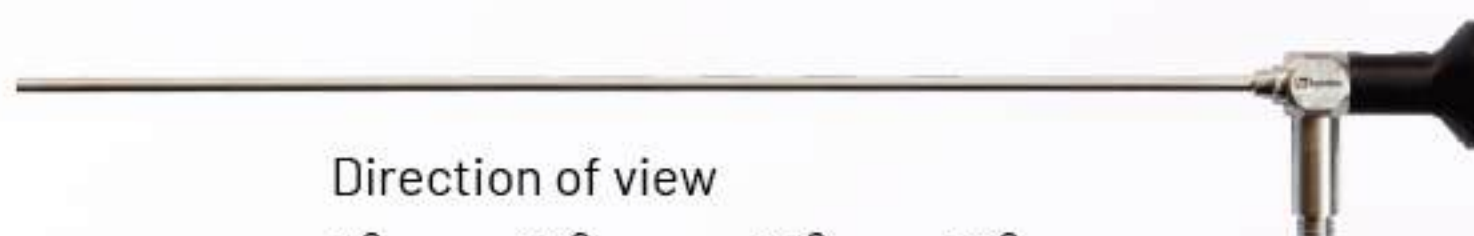
Diameter	Working Length	Direction of view			Autoclavable
4mm	185mm	0°	30°	70°	✓

HD Sinuscope



Diameter	Working Length	Direction of view				Autoclavable
4mm	185mm	0°	30°	45°	70°	✓

HD Hysteroscope



Diameter	Working Length	Direction of view				Autoclavable
		0°	12°	30°	70°	
2.9mm	300mm					✓

HD Cystoscope



Diameter	Working Length	Direction of view				Autoclavable
		0°	12°	30°	70°	
4mm	300mm					✓

IMPULSE 4K Zoom Coupler



4K ZOOM COUPLER 1632

Functions and Features

1. Focus range from 16mm to 32mm.
2. Compatible with all C-mount 4K camera.
3. Humanized design, easy to use.
4. Format: 1/2inch 1/3inch
5. Focus range: 16~32mm
6. MTF 50% corresponding to the spatial frequency: 90lp/mm-10%
7. Weight: 91g

Specifications

zoom coupler have 16~32mm, rigid coupler have 22mm, 25mm, 28mm

IMPULSE Series Optical Coupler



ZOOM OPTICAL COUPLER

Functions and Features

1. Life-like image quality and fashionable design are completely presented by IMPULSE optical mounts.
2. Got the national exterior design patent. Specially designed for Olympus and Pentax flexible fiberscope.

Specifications

Focus can be adjusted from f13 to f32.

Functions and Features

1. Suitable for all medical endoscope camera of C-mount
2. HD optical coupler, applied with 1000TV-lines HD camera
3. Full field of view and bright
4. Image deformation, low distortion
5. Full anticorrosive structural design
6. Chemical Immersion and boiling up disinfection, or 134°C autoclave sterilization

Specifications

f14, f18, f22, f25, f28, f32, f35



RIGID OPTICAL COUPLER

IMPULSE Medical LED Cold Light Source



LC - 400 LED COLD LIGHT SOURCE

Functions and Features

1. Smart LCD touchable screen for easy operation
2. High illumination, equals to 300W xenon light output
3. Life span long as 40,000hrs
4. Low power consumption, only 40VA
5. Brightness adjusted intelligently, no dark area
6. Smart key: restore the memorized brightness
7. Logging, to record the cumulative service time

Specifications

1. Illumination: >1100000Lux
2. Color temperature: 5600K
3. Input power: AC100-240V, 50/60Hz, 150VA
4. Light hole diameter: 10mm
5. Life time: 5 years

Co2 Insufflator



LC-800

Equipment Accessories

High pressure
Pipe



Veress Needle



Gas Filter



Inflatable
Silicone Tube



Cylinder Valve
(Optional)



Features

- ✦ Smart LCD touchable interface.
- ✦ Smart self-test, finding out hidden danger in time.
- ✦ Preset patient pneumoperitoneum pressure with auto-memory, recover memory set-point by click one Key.
- ✦ Max 42L flow, work up pneumoperitoneum rapidly.
- ✦ Remind operating status with smart voice.
- ✦ Adjust aerated flow intelligently, maintain stable pneumoperitoneum pressure.
- ✦ Pressure relief with only one key touching.
- ✦ Hard/Soft ingredients protected doubly, safe and reliable.

Technician Parameters

- ✦ Display: 7 Inch smart touchable screen
- ✦ Power: AC100-240V, 50/60Hz, 50VA
- ✦ Inflatable media: Medical CO2
- ✦ Setting flow range: 0L/min-42L/min
Adjustment accuracy: 1L/min
- ✦ Setting pressure range: 3~25mmHg
Adjustment Accuracy: 1mmHg
- ✦ Max accumulation inflatable amount range: 99L

IRRIGATION Pump



LC-690

Product Specification

1. Smart LCD operation interface.
2. Intelligent power-on self-check, prevent in advance.
3. Pre-stored three groups of user settings, which can be quickly read and saved.
4. Flushing mode is uniform speed, pulse mode is optional.
5. The upper limit of the pressure and flow setting range is adjustable to prevent accidental touch.
6. Record and count the running time of machine.
7. The flushing flow is automatically adjusted to maintain a more stable pressure.

Product Specification

1. 7inch touched screen.
2. Power AC110V-240V, 50HZ/60HZ, 80VA.
3. Flushing pressure setting range (15-700) mm Hg, Adjustment accuracy: 1mm Hg.
4. Flushing flow adjustment range (10-1600) mL/min, Adjustment accuracy: 1mL/min.
5. Suction pressure setting range (75-400) mm Hg. Adjustment accuracy: 1mm Hg.
6. Suction flow adjustment range (0.5~7) L/min, Adjustment accuracy: 0.1L/min.
7. Size: 436*348*153.5mm.

Product Attachment



Negative Pressure Bottle



Flushing Silicone Tube



Suction Silicone Tube

> 32 INCH 4K Monitor Ex3241

Functions and Features

With ultra-high 4K resolution 3840 x 2160 pixels.

-Enable to view 4 Full HD images at one time.

-Built-in 12bits LUT to improve the image quality. IPS screen.

10-bit colors (SDI/DisplayPort/HDMI): 1.07 billion (maximum) colors

8-bit colors: 16.77 million colors

Sharp Color Reproduction with Wide Color Gamut

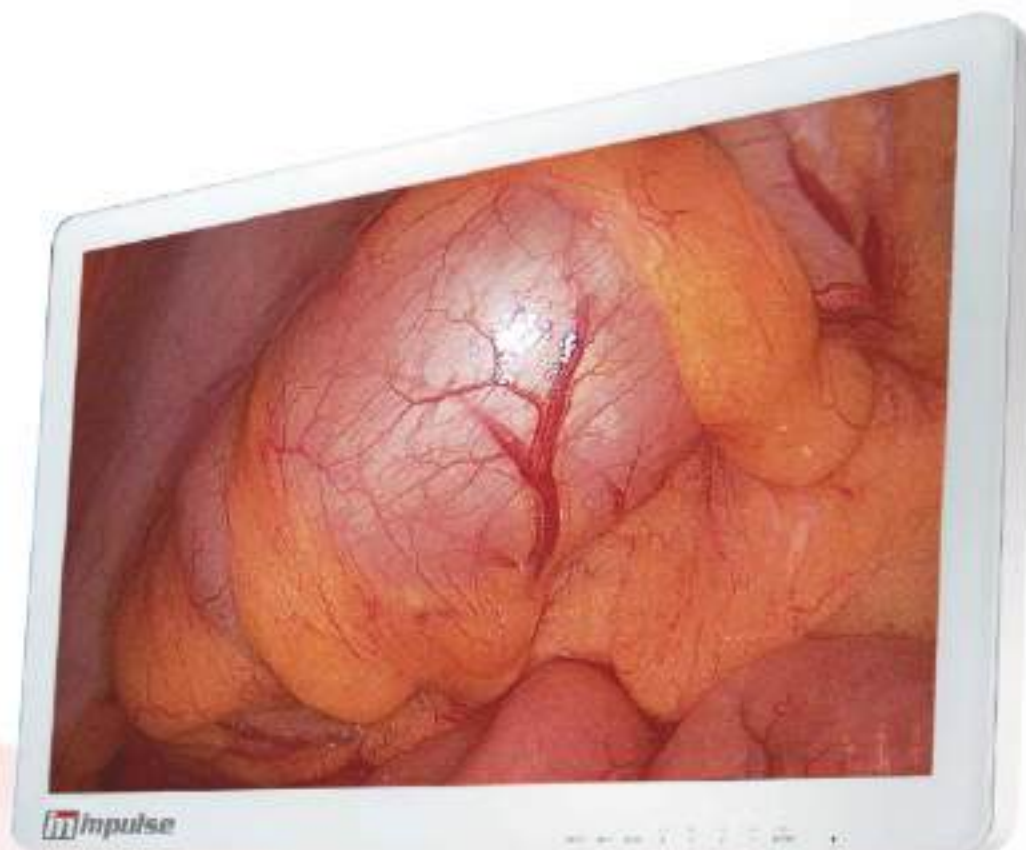
HDR Compatibility

Reduced Reflections

Preset Functions for Easy Switching



> 27 INCH 4K Monitor Ex2721



Functions and Features

1. High brightness 900cd/m2, high contrast.
2. Depend on different purpose, it can change to multi-image structure.
3. Pixel: 2073600, 1920x1080.
4. Can adjust the screen independently.
5. Allow various Input/output signal.
6. Fanless structure, quiet, and won't bother Operating room airflow.

> IMPULSE 24 INCH Full HD Monitor

Functions and Features

1. Resolution: 1920×1200
2. Compatible with digital and analog signal
3. High brightness and contrast
4. Color restoration: 16.7M
5. Stable backlight system
6. Professional multi-angle integrated, with adjustable base



LC-HD2460



LC-US1910

> IMPULSE 19 INCH LCD Monitor

Functions and Features

1. Color restoration: 16.7M
2. Resolution: 1280×1024
3. Pixel pitch: 0.294×0.294mm
4. Angle of view: 178° (Typical)
5. Brightness: 280cd/m² (Typical)

> IMPULSE 15 INCH LCD Monitor

Functions and Features

1. Color restoration: 16.7M
2. Resolution: 640×480
3. Pixel pitch: 0.4755×0.4755mm
4. Angle of view: 178° (Typical)
5. Brightness: 430cd/m² (Typical)



LC-KS1510

INTELLIGENT Surgical Workstation

4K INTELLIGENT MEDICAL ENDOSCOPE CAMERA SYSTEM



SYSTEM Configuration

Intelligent System

1. Online streaming, remote consultation, remote teaching, and voice interaction.
2. Mobile phones and iPads can connect to this device to view real-time images, perform intelligent image capture and recording, and remotely edit medical records.
3. Fully intelligent screen operation, AI intelligent auto-framing, and WeChat access to medical reports, etc.

Camera System

1. 3 sets of 2160P CMOS sensors.
2. 2000 lines of horizontal clarity.
3. Capillary enhancement.
4. 2.5x digital zoom.
5. 4K resolution recording and playback.

LED Light Source

1. Color Rendering Index (CRI) 290.
2. Color temperature of 5600K.
3. Illuminance 21.1 million lux.

Co2 Insufflator

1. Inflation Medium: Medical-grade Co2 Gas.
2. Setting pressure: 3-25mm Hg, Adjustment Precision 1mm Hg.
3. Setting flow: 0-50L/min, Adjustment Precision 1L/min.

Irrigation and suction pump

1. Irrigation pressure: 40~700mm/Hg. Adjustment Precision 1mmHg.
2. Irrigation flow: 10-1600mL/min, Adjustment Precision 1mL/min.
3. Suction pressure: 75-400mmHg, Adjustment Precision 1mmHg.
4. Suction flow 0.5-7L/min, Adjustment Precision 0.1mL/min.

Equipment List

Intelligent host machine	x1	4K camera	x1
4K monitor	x1	Light guide bundle	x1
Irrigation and suction tube	x1	Filter	x1
High pressure tube	x1	Silicone tube	x1

THE NEW SPECIES of the Internet ERA

4K ENT INTELLIGENT ALL-IN-ONE CAMERA SYSTEM



SYSTEM Configuration

Intelligent System

1. Online streaming, remote consultation, remote teaching, and voice interaction,
2. Mobile phones and iPads can connect to this device to view real-time images, perform intelligent image capture and recording, and remotely edit medical records.
3. Fully intelligent screen operation, AI intelligent auto-framing.

Camera System

1. 3 sets of 2160P CMOS sensors.
2. 2000 lines of horizontal clarity.
3. Capillary enhancement.
4. 2.5x digital zoom.
5. 4K resolution recording and playback.

LED Light Source

1. Color Rendering Index (CRI) 290.
2. Color temperature of 5600K.
3. Illuminance 21.1 million lux.

Only For ENT Surgery Department

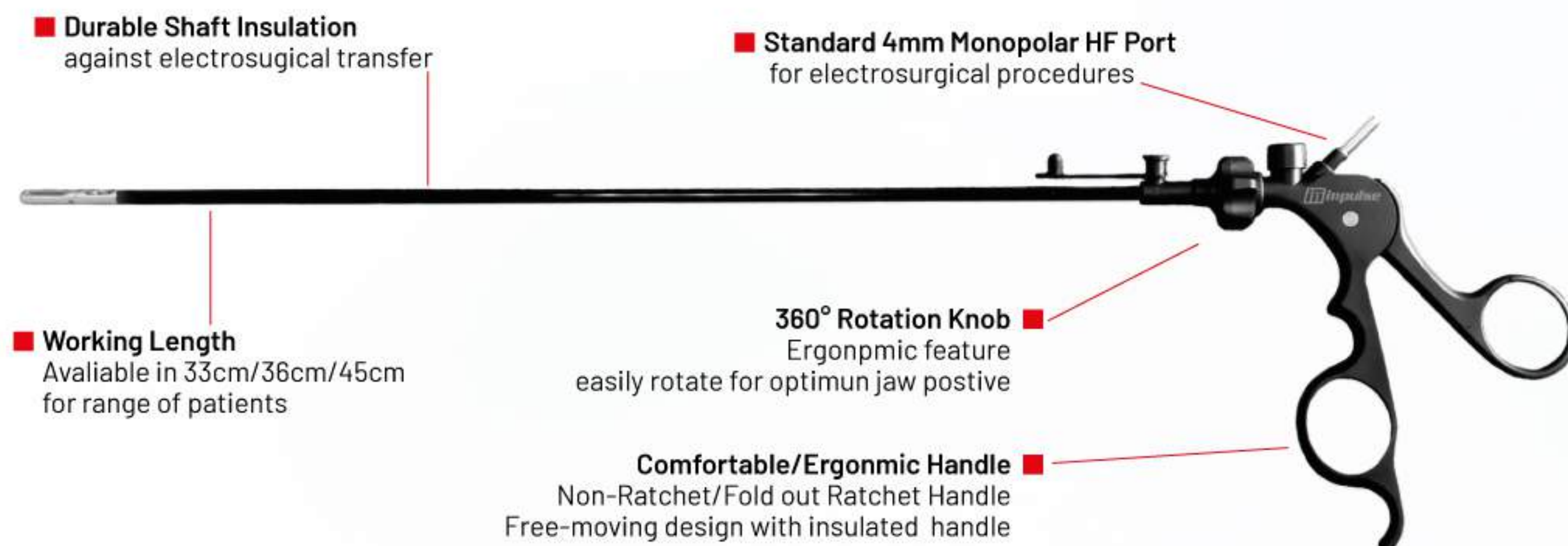
1. Positive pressure: Adjustable from 0 to 250 kPa with a step size of 1 kPa; automatic stable pressure output.
2. Negative pressure: Adjustable from -92 to 0 kPa with a step size of 1 kPa; automatic safety pressure limit output.
3. Defogging: Fast defogging using infrared non-contact heating method with automatic sensing when the endoscope is inserted; high heating efficiency, defogging completed in 8 seconds.
4. Drainage: Real-time detection of liquid waste capacity, one-click drainage function; automatic liquid waste capacity warning function; drainage capacity > 600 mL/min.

Equipment List

Intelligent host machine	x1	4K camera	x1
4K monitor	x1	Light guide bundle	x1
Spray gun, suction gun, blowing gun	x1		

Optional Accessory

UHF wireless microphone	x1	External liquid waste tank	x1
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ORDER EXAMPLES FOR MODULAR LAPAROSCOPE INSTRUMENTS



1

PLASTIC HANDLES FOR 5MM AND 10MM TUBE SHAFT INSTRUMENTS

ART. NO. HL401

2



FENESTRATED GRASPING FORCEPS, DOUBLE ACTION JAWS

Shaft Length	330mm	360mm	450mm
Art. No.	192-3305	192-3605	192-4505



3

TUBE SHAFT 5MM, SHAFT LENGTH 330MM, INSULATED

Art. No. 3605

please order using the following article number should you wish for a tube shaft instruments consisting of these 3 individual parts

COMPLETE

Art. No. HL401-192-3605

Key Handle-Working insert-Tube shaft

PLASTIC HANDLES for 5mm/10mm tube shaft instruments



H401



HL401



SHAFT LENGTH	TUBE SHAFT 10MM/ART NO	TUBE SHAFT 10MM/ART NO
330mm	3305	3310
300mm	3605	3610
450mm	4505	4510



H402



HL402



SHAFT LENGTH	TUBE SHAFT 10MM/ART NO	TUBE SHAFT 10MM/ART NO
330mm	3305K	3310K
360mm	3605K	3610K
450mm	4505k	4510K

✧ SCISSORS insert for 5mm tube shaft instruments

SUPERCUT scissors Insert straight single action jaws		
Shaft Length	Art. No.	
330mm	161-3305	
360mm	161-3605	
450mm	161-4505	

SUPERCUT scissors Insert straight dual action jaws		
Shaft Length	Art. No.	
330mm	163-3305	
360mm	163-3605	
450mm	163-4505	

SUPERCUT scissors Insert curved single action jaws		
Shaft Length	Art. No.	
330mm	165-3305	
360mm	165-3605	

SUPERCUT METZE-BAUM scissors Insert curved dual		
Shaft Length	Art. No.	
330mm	166-3305	
360mm	166-3605	
450mm	166-4505	

Hook scissors Insert single action jaws		
Shaft Length	Art. No.	
330mm	167-3305	
360mm	167-3605	
450mm	167-4505	

Micro scissors, straight Insert single action jaws		
Shaft Length	Art. No.	
330mm	168-3305	
360mm	168-3605	
450mm	168-4505	

Scissors straight single insert action with ball jaws		
Shaft Length	Art. No.	
330mm	162-3305	
360mm	162-3605	
450mm	162-4505	

Scissors straight dual insert action with ball jaws		
Shaft Length	Art. No.	
330mm	164-3305	
360mm	164-3605	
450mm	164-4505	

✧ BIOPSY PUNCHES inserts for 5 mm tube shaft instruments

Biopsy Punches, inserts single action jaws		
Shaft Length	Art. No.	
330mm	169-3305	
360mm	169-3605	
450mm	169-4505	

Biopsy forceps with tooth Insert Dual action jaws		
Shaft Length	Art. No.	
330mm	171-3305	
360mm	171-3605	
450mm	171-4505	

Biopsy forceps Insert Dual action jaws		
Shaft Length	Art. No.	
330mm	170-3305	
360mm	170-3605	
450mm	170-4505	

DISSECTING inserts for 5mm tube shaft instruments



Dissecting forceps Insert straight single action jaws

Shaft Length	Art. No.
330mm	172-3305
360mm	172-3605
450mm	172-4505



MARYLAND Dissecting forceps insert Dual action jaws

Shaft Length	Art. No.
330mm	173-3305
360mm	173-3605
450mm	173-4505



MOXTER 90 Dissecting forceps Insert Dual action jaws

Shaft Length	Art. No.
330mm	174-3305
360mm	174-3605
450mm	174-4505



Dolphin gr dissecting insert dual action jaws

Shaft Length	Art. No.
330mm	177-3305
360mm	177-3605
450mm	177-4505

GRASPING FORCES inserts for 5mm tube shaft instruments



Maxi forceps insert dual action jaws

Shaft Length	Art. No.
330mm	186-3305
360mm	186-3605
450mm	186-4505



Babcock forceps insert dual action jaws

Shaft Length	Art. No.
330mm	187-3305
360mm	187-3605
450mm	187-4505



Duck nose insert Fenestrated insert Dual action jaws

Shaft Length	Art. No.
330mm	188-3305
360mm	188-3605
450mm	188-4505



Fenestrated Grasping Insert dual action jaws

Shaft Length	Art. No.
330mm	206B-3305
360mm	206B-3605
450mm	206B-4505



Fenestrated Grasping Insert dual action jaws

Shaft Length	Art. No.
330mm	206A-3305
360mm	206A-3605
450mm	206A-4505



atraumatic grasper Insert dual action jaws

Shaft Length	Art. No.
330mm	175-3305
360mm	175-3605
450mm	175-4505



atraumatic grasper Insert dual action jaws

Shaft Length	Art. No.
330mm	176-3305
360mm	176-3605
450mm	176-4505



Claw grasping insert, 2+3 teeth dual action jaws

Shaft Length	Art. No.
330mm	179-3305
360mm	179-3605
450mm	179-4505



Grasping forceps insert, 2+3 teeth dual action jaws

Shaft Length	Art. No.
330mm	180-3305
360mm	180-3605
450mm	180-4505



Grasping forceps insert,
2+3 teeth dual action jaws

Shaft Length	Art. No.
330mm	181-3305
360mm	181-3605
450mm	181-4505



Grasping forceps insert,
1+2teeth long single action jaws

Shaft Length	Art. No.
330mm	182-3305
360mm	182-3605
450mm	182-4505



Grasping forceps insert,
1+2teeth long single action jaws

Shaft Length	Art. No.
330mm	183-3305
360mm	183-3605
450mm	183-4505



Alligator Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	184-3305
360mm	184-3605
450mm	184-4505



Long Alligator Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	185-3305
360mm	185-3605
450mm	185-4505



Oviduct Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	189-3305
360mm	189-3605
450mm	189-4505



Fenestrated Atraumatic insert
dual action jaws

Shaft Length	Art. No.
330mm	190-3305
360mm	190-3605
450mm	190-4505



Clinch Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	191-3305
360mm	191-3605
450mm	191-4505



Fenestrated Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	192-3305
360mm	192-3605
450mm	192-4505



Blunt, Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	193-3305
360mm	193-3605
450mm	193-4505



Tine, Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	194-3305
360mm	194-3605
450mm	194-4505



Fenestrated Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	195A-3305
360mm	195A-3605
450mm	195A-4505



Fenestrated Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	195B-3305
360mm	195B-3605
450mm	195B-4505



Fenestrated Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	196-3305
360mm	196-3605
450mm	196-4505



Babcock forceps insert
dual action jaws

Shaft Length	Art. No.
330mm	197-3305
360mm	197-3605
450mm	197-4505



Allis Grasping insert
dual action jaws

Shaft Length	Art. No.
330mm	198-3305
360mm	198-3605
450mm	198-4505



Allis Grasping insert dual action jaws

Shaft Length	Art. No.
330mm	199-3305
360mm	199-3605
450mm	199-4505



knot forcep inserts single action jaws

Shaft Length	Art. No.
330mm	200-3305
360mm	200-3605
450mm	200-4505



B-knot forcep inserts dual action jaws

Shaft Length	Art. No.
330mm	201-3305
360mm	201-3605
450mm	201-4505



S-knot forcep inserts dual action jaws

Shaft Length	Art. No.
330mm	202-3305
360mm	202-3605
450mm	202-4505



Fenestrated Wave grasping insert dual action jaws

Shaft Length	Art. No.
330mm	203-3305
360mm	203-3605
450mm	203-4505



Cobra grasping insert dual action jaws

Shaft Length	Art. No.
330mm	204-3305
360mm	204-3605
450mm	204-4505



Claw forceps insert 1+2 teeth single action jaws

Shaft Length	Art. No.
330mm	207-3305
360mm	207-3605
450mm	207-4505



Debakey forceps insert jaw length 36mm Dual action jaws

Shaft Length	Art. No.
330mm	208-3305
360mm	208-3605
450mm	208-4505



DEBAKEY ATRAUMATIC forceps insert jaw length 36mm, Dual action jaws

Shaft Length	Art. No.
330mm	209-3305
360mm	209-3605
450mm	209-4505



DORSEY INTESTINAL forceps insert jaw length 36mm. Dual action jaws

Shaft Length	Art. No.
330mm	210A-3305
360mm	210A-3605
450mm	210A-4505



Debaikny with Wave forceps insert jaw length 31mm Dual action jaws

Shaft Length	Art. No.
330mm	210-3305
360mm	210-3605
450mm	210-4505

✂ INSERT for 10mm tube shaft instruments



**Spoon forceps
straight single action jaws:**

Shaft Length	Art. No.
330mm	161-3305
360mm	161-3605
450mm	161-4505



**Large scissors
straight single action jaws**

Shaft Length	Art. No.
330mm	161-3305
360mm	161-3605
450mm	161-4505



**Large scissors
curved single action jaws**

Shaft Length	Art. No.
330mm	161-3305
360mm	161-3605
450mm	161-4505



**Large scissors
curved Dual action jaws**

Shaft Length	Art. No.
330mm	161-3305
360mm	161-3605
450mm	161-4505



**MIXTER grasping forceps
Dual action jaws**

Shaft Length	Art. No.
330mm	161-3305
360mm	161-3605
450mm	161-4505

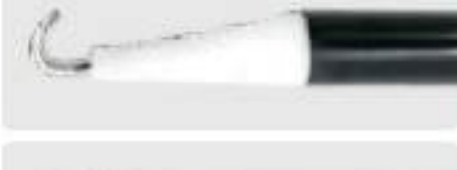


**Claw grasping
2+3 teeth single action jaws**

Shaft Length	Art. No.
330mm	161-3305
360mm	161-3605
450mm	161-4505

✂ MONOPOLAR HF ELECTRODE 5mm 33cm and 45cm Working length



		Working Length	Art. No.
	L-Hook	330mm	SK130-33
		450mm	SK130-45
	J-Hook	330mm	SK131-33
		450mm	SK131-45
	Ball	330mm	SK132-33
		450mm	SK132-45
	Ball	330mm	SK133-33
		450mm	SK133-45
	Needle	330mm	SK134-33
		450mm	SK134-45
	Blade	330mm	SK135-33
		450mm	SK135-45
	Spatula	330mm	SK136-33
		450mm	SK136-45
	L-Hook Ceramic	330mm	SK137-33
		450mm	SK137-45

SUCTION & IRRIGATION ø 5/10mm 33cm working length

Complete

5mm/10mm Tube-Sliding valve

Art.No

SK401-140



Sliding Valve

Complete

5mm/10mm Tube-Trumpet Valve

Art.No

SK401-141



Trumpet Valve

Unit part	Part No.
10mm tube	T1001
5mm tube	T0501
Sliding valve	140.1
Trumpet valve	141.1

MONOPOLAR HF ELECTRODE WITH S & I

Complete

5mm Eelctrode-Sliding valve

Art.No

SK401-138



Unit part	Part-No
5mm Eelctrode	138.1
Sliding valve	140 1

CORD FOR MONOPOLAR-ADAPTOR



Cord 4x3000mm SK401-576

Adaptor 6mm SK401-577

Adaptor 8mm SK401-578

BIPOLAR

Complete
Art. No

SK401-115

SK401-116

SK401-117



Unit part

bipolar insert, Dual action curved jaw

Part-No

115.1

bipolar insert, Single action curved jaw

116.1

bipolar insert, Fenestrated jaw

117.1

bipolar shaft tube 5x330mm

09:1

bipolar handle

110.1



Cord for Bipolar 3000mm
SK401-118

VERESS NEEDLE



ø 2.2mm x100mm SK401-570

ø 2.2mm x120mm SK401-571

Aspiration-and injection cannula | Ø 5mm 33cm working length

Needle ø 2.5mm SK401-148

Needle ø 1.8mm SK401-148.1

Needle ø 0.9mm SK401-148.2



Bile Duct Scalpel

Ø.5mm 33cm working length

Art No



SK401-146



Ø.10mm 33cm working length

ArtNo



SK401-147



CLIP APPLIERS Titanium Ligation Clip

ENDOSCOPIC APPLIER

10mm Single action



5mm Single action



10mm Dual action



10mm 90°



10MM SINGLE ACTION

Art. No.	Ø mm x Length	Clip Size
SK401-101.01	10x330mm	For LT-400
SK401-101.02	10x330mm	For LT-300
SK401-101.03	10x330mm	For- Large
SK401-101.04	10x330mm	For Medium-Large

10MM DUAL ACTION

Art. No.	Ø mm x Length	Clip Size
SK401-102.01	10x330mm	For LT-400
SK401-102.02	10x330mm	For LT-300

5MM SINGLE ACTION

Art. No.	Ø mm x Length	Clip Size
SK401-104.01	5x330mm	For LT-200
SK401-104.02	5x330mm	For LT-100
SK401-104.03	5x330mm	For Medium

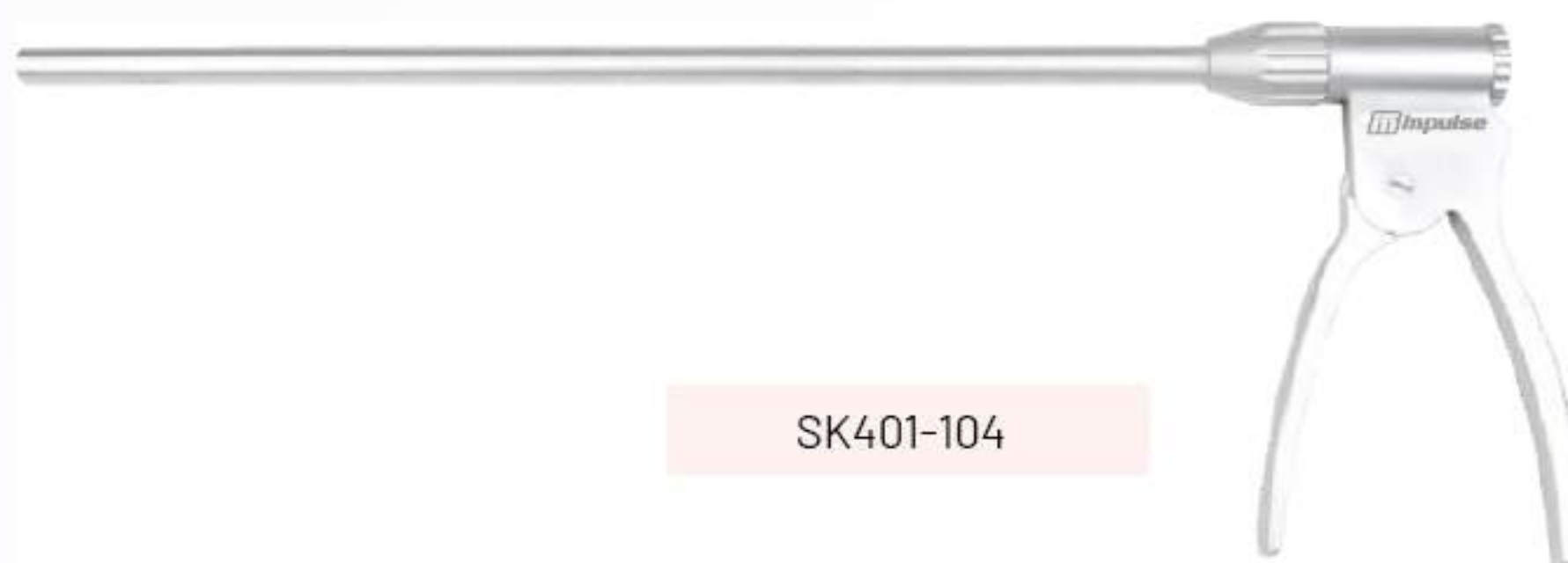
10MM 90°

Art.No	Ø mm x Length	Clip Size
SK401-103.01	10x330mm	For LT-300

➤ OPEN Applier

Art. No.	Clip Size.	 For additional information or special needs pls contact the shenke medical internatio nal sales
SK401-108	for Large	
SK401-109	for Medium-Large	
SK401-110	for Medium	
SK401-111	for Small	

CLIP APPLIER 10X330MM COMPATIBLE WITH TYCO CLIP



SK401-104

TITANIUM LIGATION CLIP



SK401-780
Clip (LT400)



SK401-781
Clip (LT300)



SK401-782
Clip (LT200)



SK401-783
Cpip (LT100)



SK401-680
Large



SK401-681
Medium-Large



SK401-682
Medium



SK401-683
Small

POLYMER CLIP APPLIER Polymer Ligation Clip



Polymer Applier available in Medium-Large, Large, Extra-Large
 Available with 330mm or extended-length 450mm
 One-Piece design
 Medium-Large appliers available on a 5mm platform



Polymer Clip Applier

Art. No.	Clip Size
SK401-105	for polymer clip XL
SK401-106	for polymer clip L
SK401-107	for polymer clip ML

STERILIZATION METHOD	INSTRUMENT CONFIGURATION	TEMPERATURE	EXPOSURE TIME (MINIMUM)	DRYING TIME (MINIMUM)
Pre-vacuum	Wrapped	273°F (134°C)	3 minutes	10 minutes
Pre-vacuum	Wrapped	279°F (137°C)	3 minutes	10 minutes
Gravity Displacement	Wrapped	270°F (132°C)	10 minutes	10 minutes



SK401-684
Polymer clip XL



SK401-685
Polymer clip L



SK401-686
Polymer clip ML

6 clips/cartridge
14 cartridges per box,
sterile

Clip Remover



For L/ML Clips
SK401-116 Ø5.5X330mm

Open polymer clip applier

Art: No.	Clip Size
SK401-113.01	for XL clips (9°)
SK401-113.02	for XL clips (30°)
SK401-113.03	for XL clips (70°)
SK401-114.01	for L clips (9°)
SK401-114.02	for L clips (30°)
SK401-114.03	for L clips (70°)
SK401-115.01	for ML clips (9°)
SK401-115.02	for ML clips (30°)
SK401-115.03	for ML clips (70°)



10MM LAPAROSCOPE instruments

- Non-insulated sheath & handle.
- Lightweight ergonomic 1-piece design for mis-matched or lost components.
- Good quality stainless steel.
- Handles can be disengaged for free movement.
- Flush port for optimized cleaning of the inner lumen.
- 3 popular handles available.



Forceps	① Handle with ratchet	② Handle with non-ratchet	③ handle with spring-loaded
	Large Spoon forceps Single action Ø 10×330mm SK401-310	SK401-310L	SK401-310S
	Claw forceps 2+3 teeth Single action Ø 10×330mm SK401-311	SK401-311L	SK401-311S
	Large lung forceps Single action Ø 10×330mm SK401-312	SK401-312L	SK401-312S
	Stomach grasping forceps Single action Ø 10×330mm SK401-313	SK401-313L	SK401-313S
	Stomach grasping forceps-spoon Single action Ø 10×330mm SK401-314	SK401-314L	SK401-314S

	Pennington clamp dual action Ø 10-330mm	SK401-316	SK401-316L	SK401-316S
	Babcock clamp dual action Ø 10-330mm	SK401-317	SK401-317L	SK401-316S
	Wave grasping forceps dual action Ø 10-330mm	SK401-320	SK401-320L	SK401-320S
	Tenaculum forceps dual action Ø 10-330mm	SK401-321	SK401-321L	SK401-321S
	Alligator grasping forceps dual action Ø 10-330mm	SK401-322	SK401-322L	SK401-322S
	Babcock Grasping forceps, atraumatic dual action Ø 10-330mm	SK401-323	SK401-323L	SK401-323S
	Babcock-De Bakey dual action Ø 10-330mm	SK401-324	SK401-324L	SK401-324S
	TC Collin Grasping Forceps dual action Ø 10-330mm	SK401-325	SK401-325L	SK401-325S
	De Bakey Clamp, jaw length: 65mm dual action Ø 10-330mm	SK401-318	SK401-318L	SK401-318S
	Grasping forceps jaw length: 65mm dual action Ø 10-330mm	SK401-319	SK401-319L	SK401-319S

5MM LAPAROSCOPE Neele Holders

- Tungsten Carbide jaws provide firm and secure grip on the needle and long life of the instruments.
- Lightweight ergonomic 1-piece design for mis-matched or lost components.
- Good quality stainless steel.
- Luer lock flush port for optimized cleaning of the inner lumen.
- 5 popular jaws available.
- 33cm/36cm/45cm shaft for larger patients.



Straight



Left curved



Right curved



Self-Righting



Self-Righting with teeth



Needle holder, TUNGSTEN CARBIDE, IN-LINE RING HANDLE

	Ø 5X330mm	Ø 5X360mm	Ø 5X450mm
Straight	SK125-331	SK125-361	SK125-451
Left curved	SK125-332	SK125-362	SK125-452
Right curved	SK125-333	SK125-363	SK125-453
Self-Righting	SK125-334	SK125-364	SK125-454
Self-Righting with teeth	SK125-335	SK125-365	SK125-455



Needle holder, TUNGSTEN CARBIDE, PISTAL HANDLE

	Ø 5X330mm	Ø 5X360mm	Ø 5X450mm
Straight	SK124-331	SK124-361	SK124-451
Left curved	SK124-332	SK124-362	SK124-452
Right curved	SK124-333	SK124-363	SK124-453
Self-Righting	SK124-334	SK124-364	SK124-454
Self-Righting with teeth	SK124-335	SK124-365	SK124-455



Needle holder, TUNGSTEN CARBIDE, AXIAL HANDLE

	Ø 5X330mm	Ø 5X360mm	Ø 5X450mm
Straight	SK123-331	SK123-361	SK123-451
Lelt curved	SK123-332	SK123-362	SK123-452
Right curved	SK123-333	SK123-363	SK123-453
Self-Righting	SK123-334	SK123-364	SK123-454
Self-Righting with teeth	SK123-335	SK123-365	SK123-455



Needle holder, TUNGSTEN CARBIDE, AXIAL HANDLE

	Ø 5X330mm	Ø 5X360mm	Ø 5X450mm
Straight	SK122-331	SK122-361	SK122-451
Lelt curved	SK122-332	SK122-362	SK122-452
Right curved	SK122-333	SK122-363	SK122-453
Self-Righting	SK122-334	SK122-364	SK122-454
Self-Righting with teeth	SK122-335	SK122-365	SK122-455



Needle holder, TUNGSTEN CARBIDE, AXIAL HANDLE

	Ø 5X330mm	Ø 5X360mm	Ø 5X450mm
Straight	SK126-331	SK126-361	SK126-451
Lelt curved	SK126-332	SK126-362	SK126-452
Right curved	SK126-333	SK126-363	SK126-453
Self-Righting	SK126-334	SK126-364	SK126-454
Self-Righting with teeth	SK126-335	SK126-365	SK126-455

KNOT PUSHER Ø 5mm 33cm working length



	with slit	SK401-152	SK401-152.1
	with open eye	SK401-151	SK401-151.1
	with closed eye	SK401-150	SK401-150.1
	with ceramic closed eye	SK401-149	SK401-149.1

Wound Closure Forceps

Closure Forceps



SK401-570

2.2mmx100mm

SK401-571

2.2mmx120mm



SK401-580

2.5mm Up Open

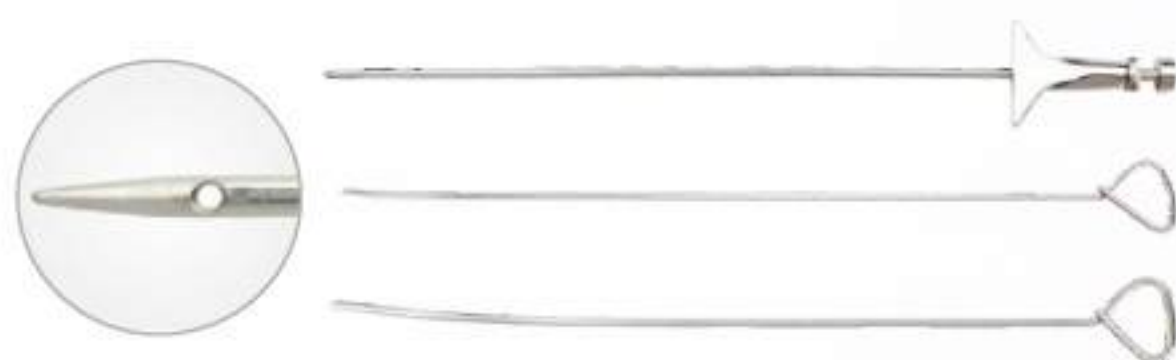
SK401-580.1

2.5mm Down Open

Closure Forceps



Hernia needle



SK401-581

Ø 1.5mmx150mm

SK401-582

Ø 2.0mmx170mm

SK401-583

Ø 2.3mmx150mm

Hernia needle



SK401-584

Ø 2.2mmx100mm

SK401-585

Ø 2.2mmx100mm

TROCARS



Autoshield trocar available



Screw cannula available



■ Multifunctional valve



Pyramidal



Autoshield

Art. No Ø mmxLength

SK401-521	3.0x65
SK401-522	5.5x100
SK401-523	10.5x100
SK401-524	12.5x100

Art. No Ø mmxLength

SK401-525	3.0x65
SK401-526	5.5x100
SK401-527	10.5x100



■ Silicon sealing



Pyramidal



Autoshield

Art. No Ø mmxLength

SK401-500	3.0x65
SK401-501	5.5x100
SK401-502	10.5x100
SK401-503	12.5x100

Art. No Ø mmxLength

SK401-504	3.0x65
SK401-505	5.5x100
SK401-506	10.5x100



■ Magnetic sealing



Pyramidal



Autoshield

Art. No Ø mmxLength

SK401-531	3.0x65
SK401-532	5.5x100
SK401-533	10.5x100
SK401-534	12.5x100

Art. No Ø mmxLength

SK401-535	3.0x65
SK401-536	5.5x100
SK401-537	10.5x100



SK404-001	Ø 12.5
SK404-002	Ø 10.5

SK404-003	Ø 8.5
SK404-004	Ø 5.5

REDUCER Sealing Cap



SK401-559 150mm

SK401-560 120mm

SK401-561 100mm

SK401-562 22mm



SK401-555	reducer	10.5-5.5
SK401-556	reducer	12.5 5.5



Silicon Cap

SK401-550	12mm
SK401-551	10mm
SK401-552	5mm



Sealing Cap

SK401-557	12mm
SK401-553	10mm
SK401-554	5mm
SK401-558	3mm

For additional information or special needs.pls contact the shenke medical international sales

Endo Retractor

SK401-212

Ø 5x350mm

3blades flushing port rigid



SK401-213

Ø 5x350mm

Kite-shaped



SK401-215

Ø 10x350mm

5blades flushing port angleable



H402-216-3305K

Ø 10x350mm

3blades flushing port 3 pieces detachable



Retractor

Articulating

SK401-332
Ø 10x330mm


GOLD Finger



SK401-230



SK401.230.1
Half Ring



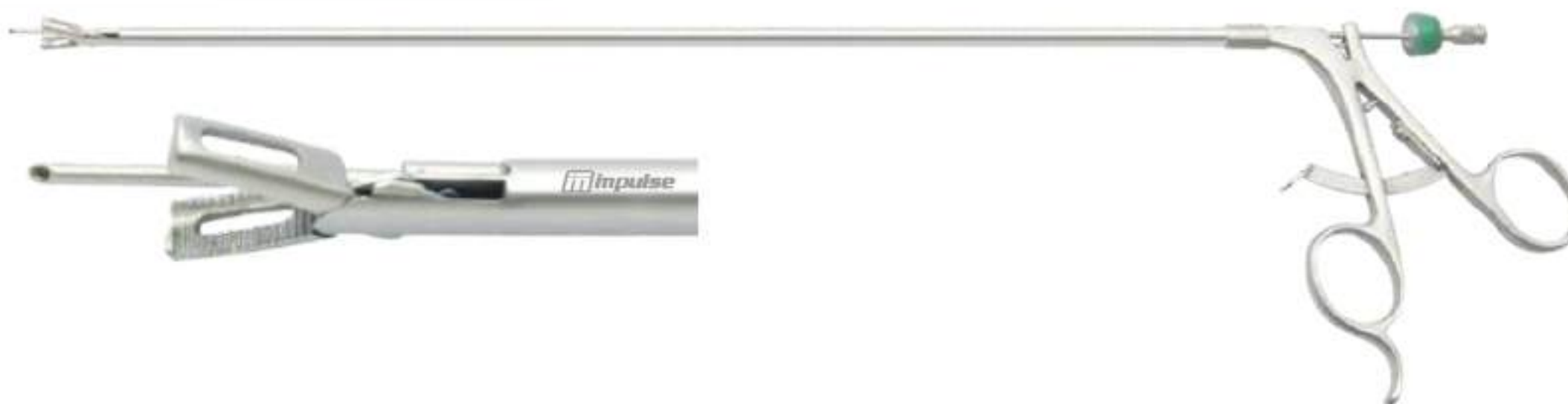
SK401-230.2 Full
Ring (down)



SK401-230 3
Full Ring (up)

Cholangiography forceps

Ø 5x330mm
SK401-216



Spring Grasping Forceps

Ø 5x330mm

SK401-217 Bowel

SK401-218 Bowel (long)

SK401-219 blunt



Speculum with 3 blades
for extraction of Gall Bladder, 55mm
blade length SK401-342



Binary-Lithotomy Forcep



SK401-220
Vertical 6X330mm



SK401-220
Transverse 5X330mm



MINIATURE Laparoscopic instruments

SK402-117

Ø 3x95mm

Tracar



SK402-118

Ø 5x95mm

Tracar



SK402-119

Ø 5/2.8mm

Adaptor



SK402-111

Ø 28X280mm

Suction and irrigation tube



SK402 101

Ø 5 X 330mm

Single action clip applicator



SK403-103

Ø 2.8X280mm

Straight dissecting forceps



SK403-104

Ø 2.6X 280mm

Curved dissecting forceps



SK403-105

Ø 2.8X280mm

Straight scissor



SK403-106

Ø 2.8X280mm

Curved scissor



SK402-102

Ø 2.8x280mm

Electric loagulator

SK402-113

Ø 2.BX 250mm

Electric hook



SK402-114

Ø 2.8X 200mm

Electric needin



SK402-115

Ø 2.8X 280mm

Electric knife



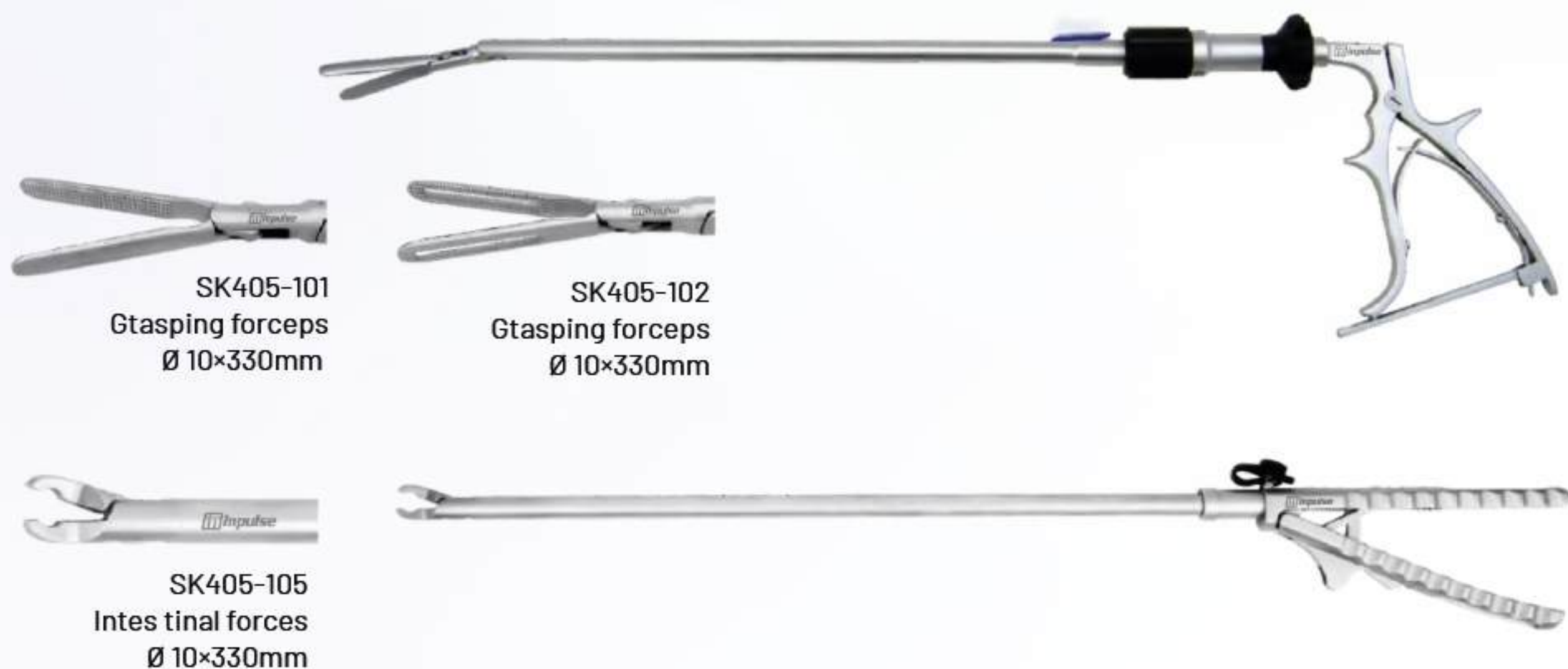
SK402-116

Ø 2.8X280mm

Electric spade



COLON Laparoscopic instruments



SK405-106 Guidance tube (small) Ø 5×330mm

SK405-107 Guidance tube (big) 5×330mm

Thyroid operating Instruments

SK406-103 Subcutaneous dissector Ø 10×350mm



SK406-102 Dissector flexible Ø 5×330mm



SK406-101 Thyroid dissector Ø 5×330mm



SK406-101 Subcutaneous Injector Ø 2.5×250mm



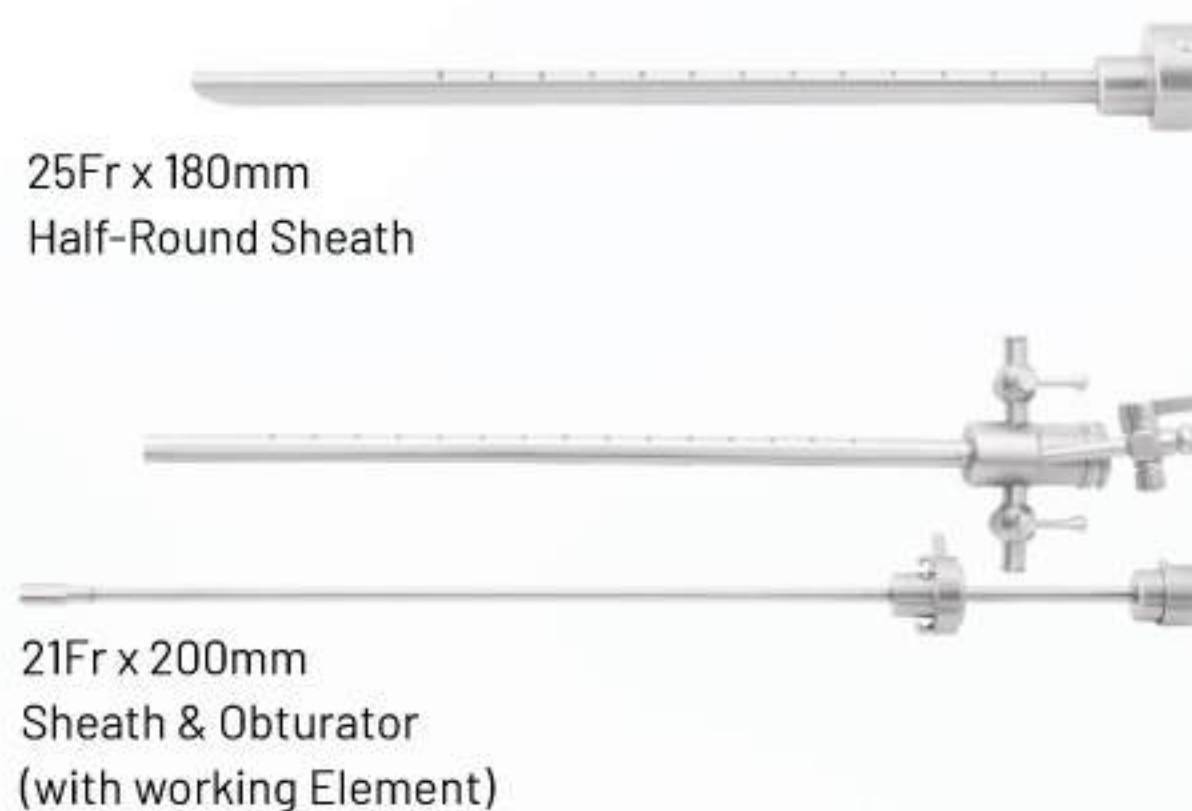
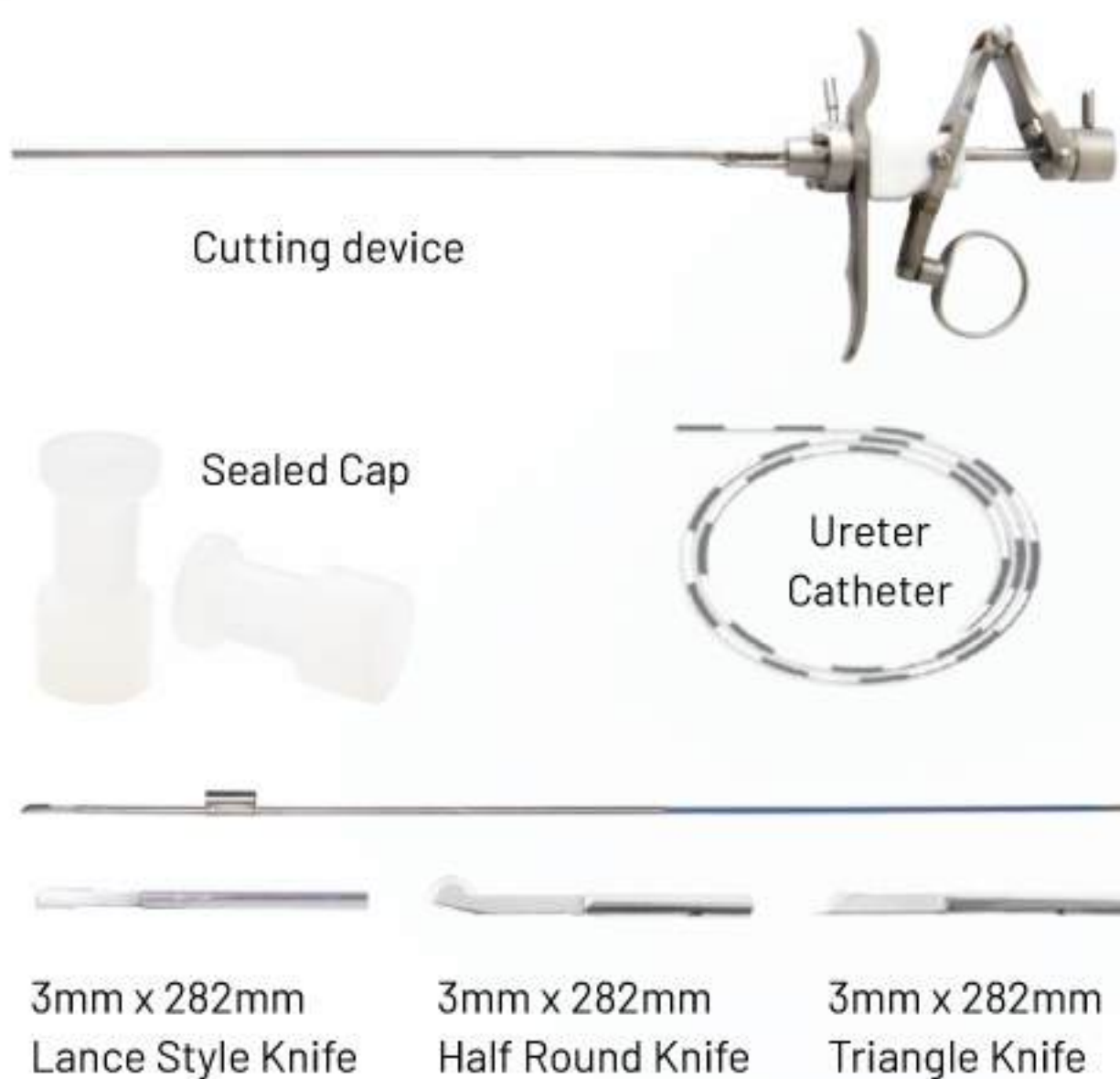
SK406-101 Retractor Ø 1.8×250mm



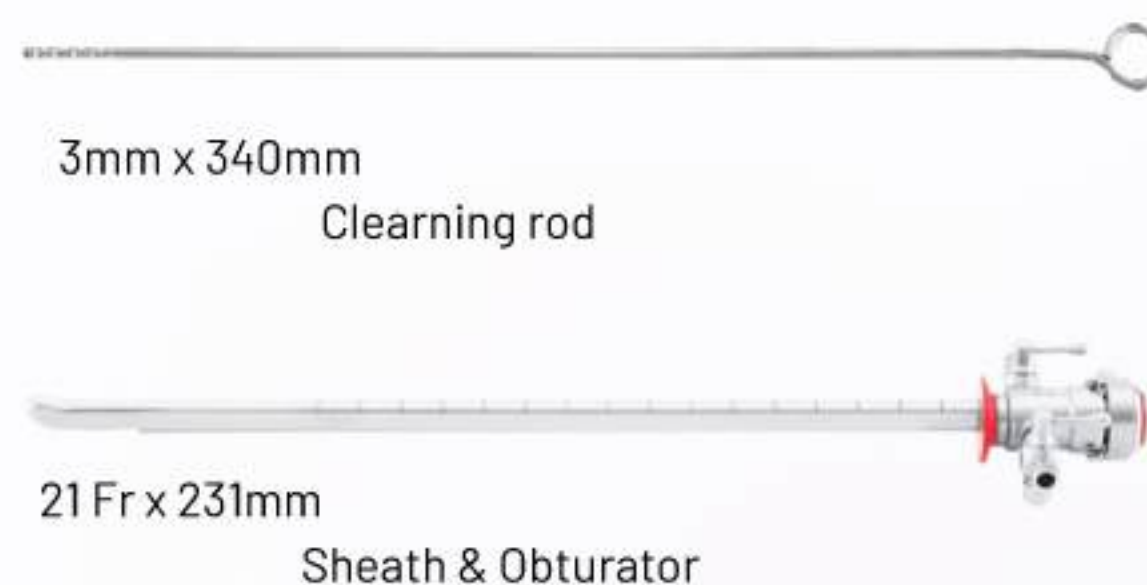
SK406-101 Retractor Ø 1.8×250mm



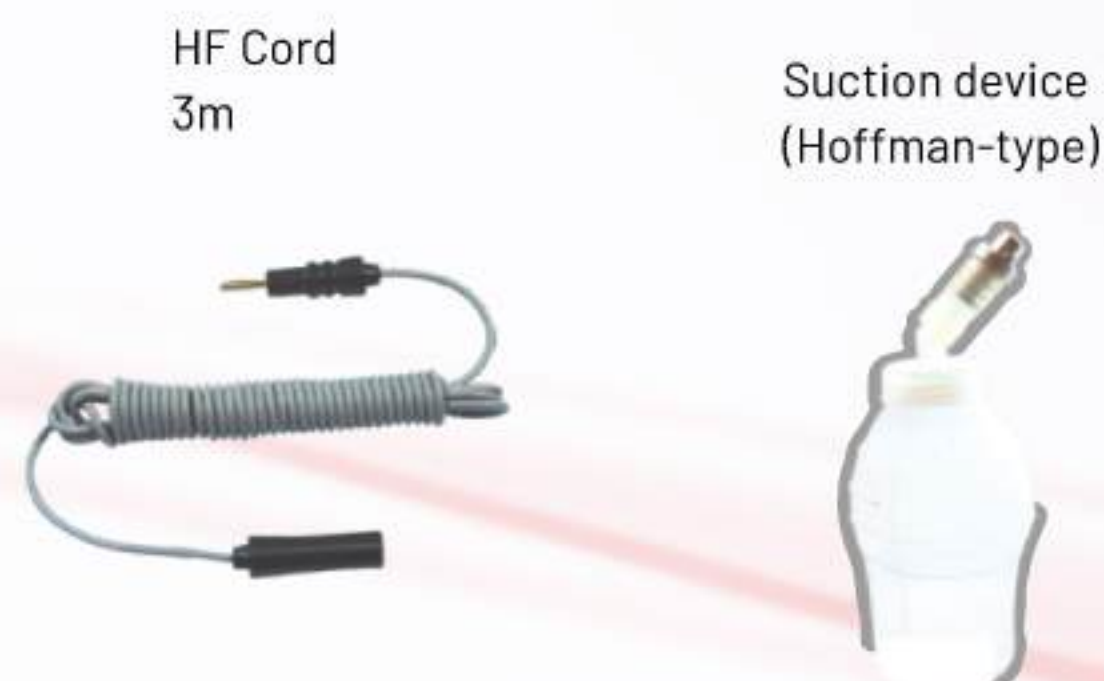
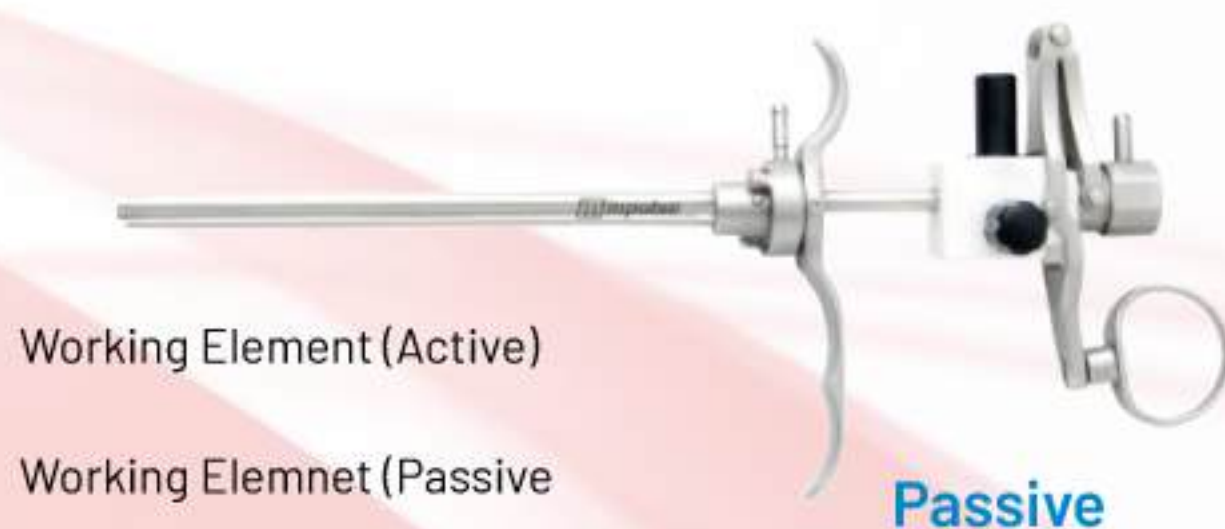
RE-2Q RESECTOSCOPE Instruments



PE-2S Lithotriptoscope Instruments



PE-2D Cystoscope Instruments





Ø27Fr x 180mm
Outer Sheath

Obturator for outer Sheath (Active)

3mm x 340mm
Inner Sheath & Obturator

Ø25Fr x 195mm
Clearing rod

Fistula instruments



16Fr
18Fr
20Fr
22Fr
24Fr

PE-2 Cystoscope Instruments

3.5mm (Instrument Channel)
Endoscope Bridge (Single Channel)



3.5mm (Instrument Channel)
Working Element (Double Channels)

Flexible Instruments



7Fr x 390mm
Flexible biopsy forceps

7Fr x 390mm
Flexible saw-tooth forceps

7Fr x 390mm
Flexible Foreign body forceps

7Fr x 390mm
Flexible scissors

Cutting Loops



4mm x 282mm
Cutting Loops

4mm x 287mm
Ball-style cutting loops

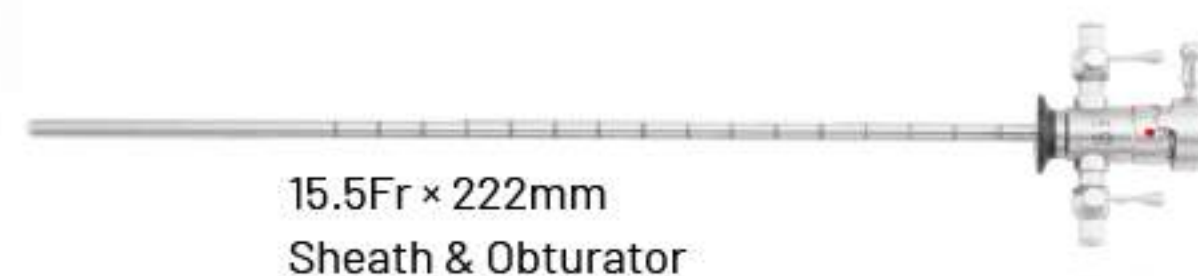
4mm x 282mm
Spade-style cutting loops

4mm x 284mm
Needle-style cutting loops

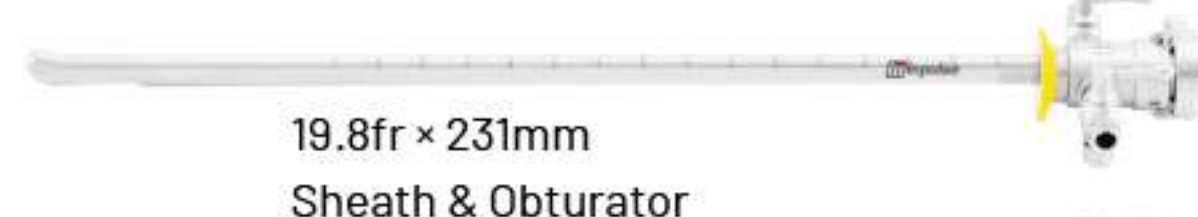
4mm x 282mm
Cutting tumor loops



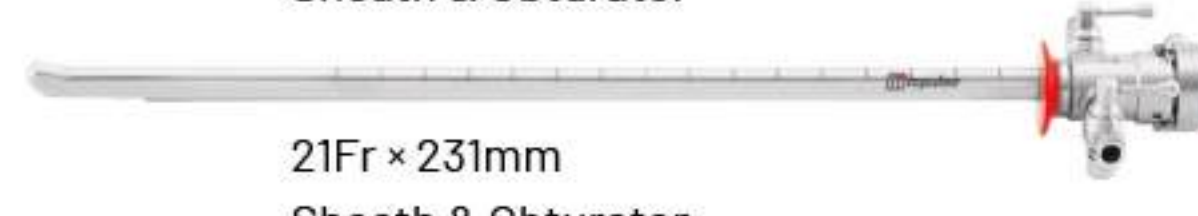
In-flow valve



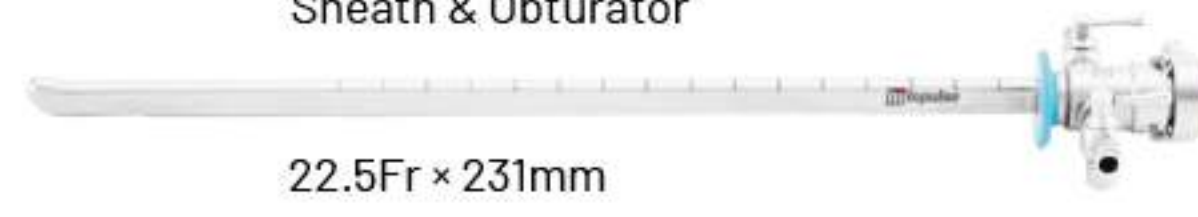
15.5Fr x 222mm
Sheath & Obturator



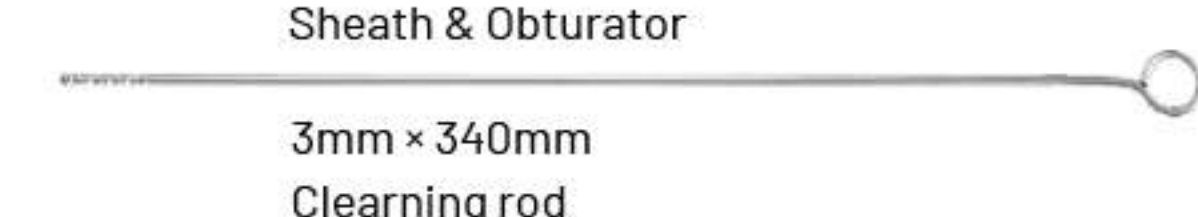
19.8fr x 231mm
Sheath & Obturator



21Fr x 231mm
Sheath & Obturator



22.5Fr x 231mm
Sheath & Obturator



3mm x 340mm
Clearing rod



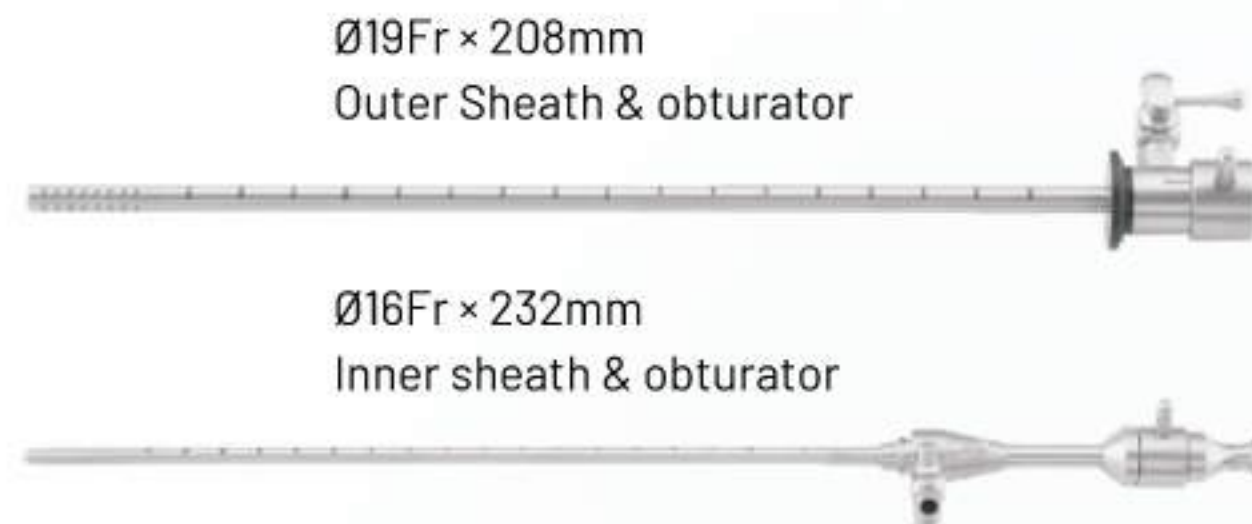
Sealed Cap

In-flow valve

Out-flow valve

GYNECOLOGY

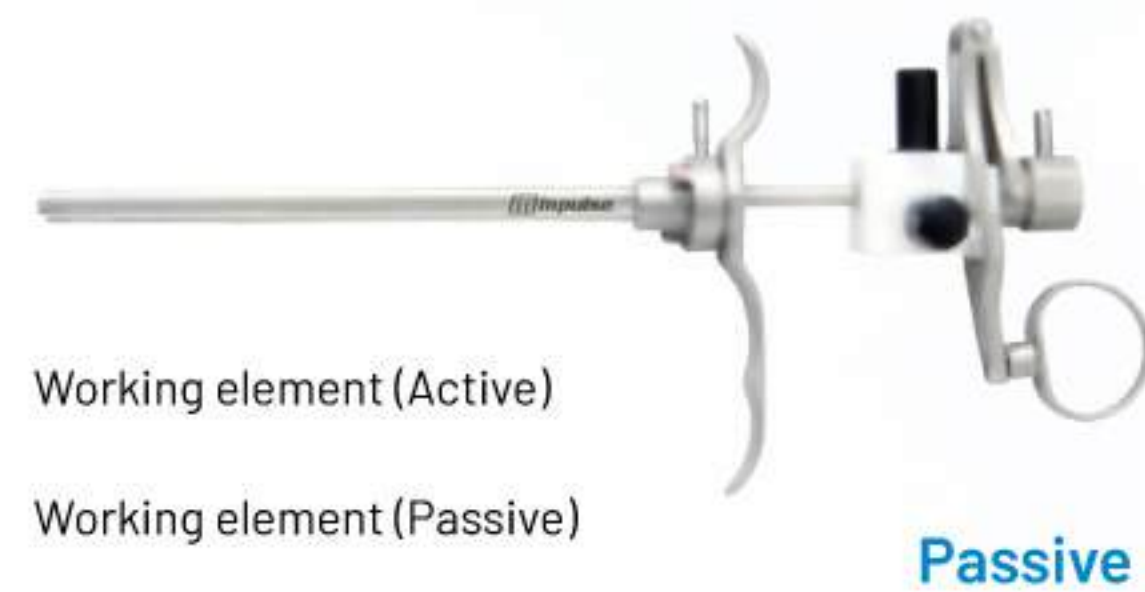
GE-3D Hysteroscope Instruments



In-flow valve

Out-flow valve

GE-3DQ Resectoscope Instruments

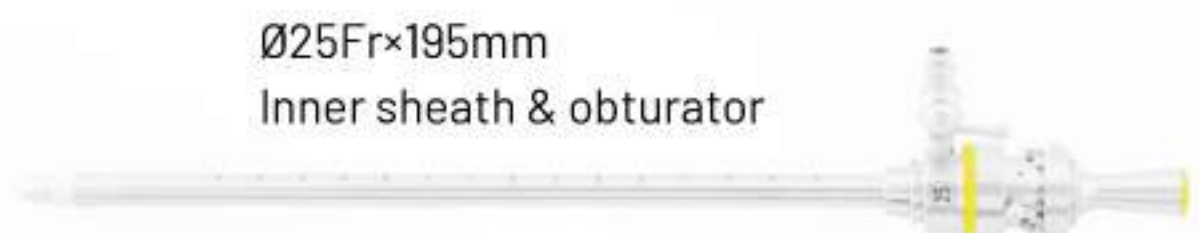


Electrode


4mm × 282mm
Cutting Loops

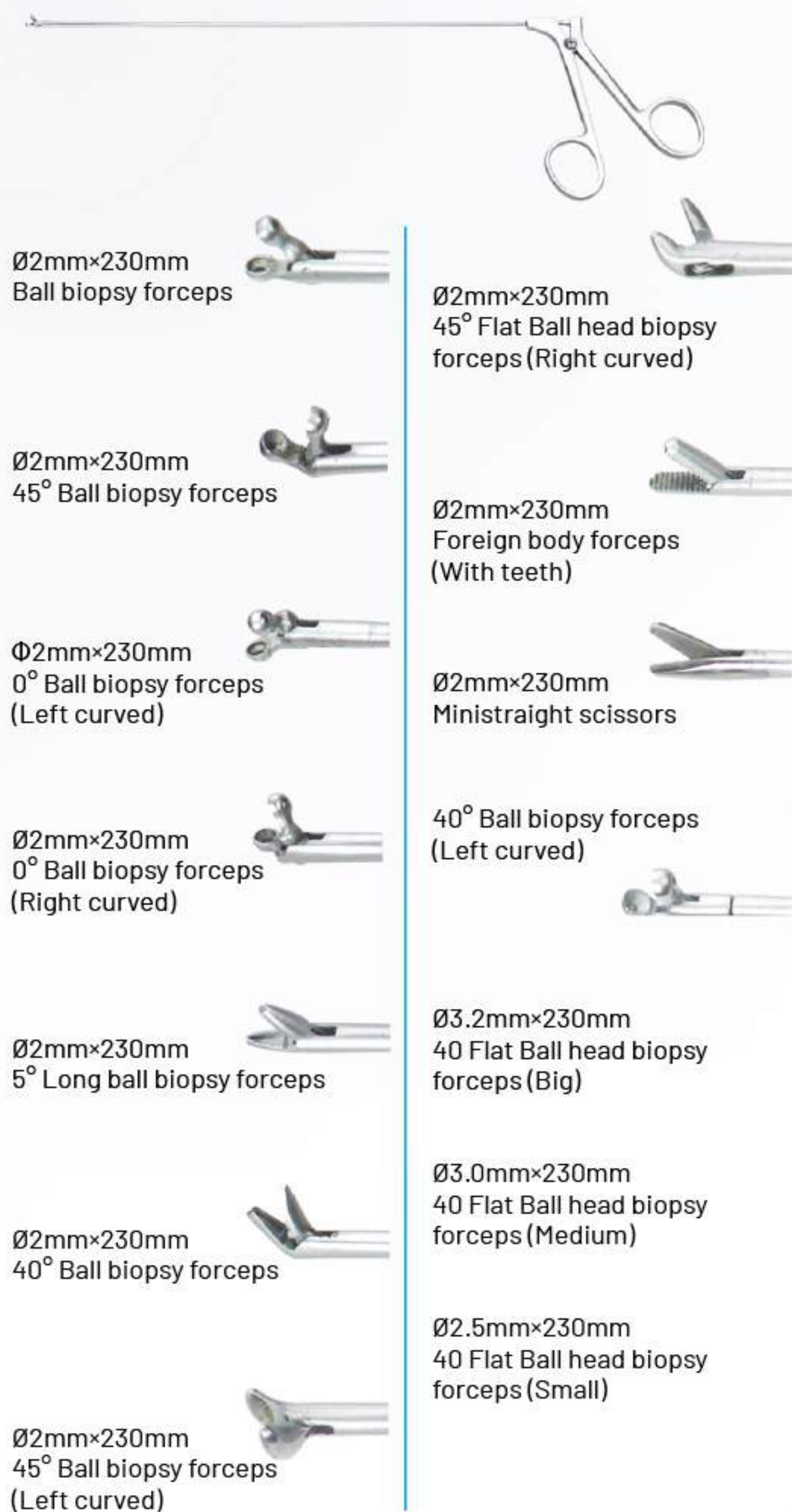
4mm × 283mm
Cutting loops, Straight

4mm × 287mm
Coagulation electrode

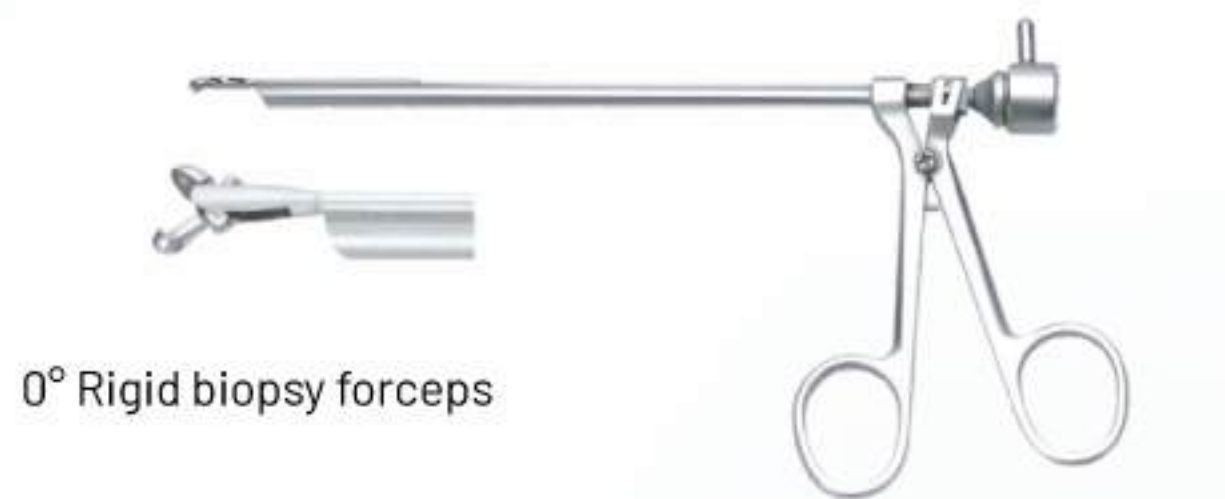
4mm × 284mm
Needle-style cutting loops

3m
HF cord


In-flow valve

HE-2Z OPERATING Laryngoscope



BE-1 SINUSCOPE Instruments



0° Rigid biopsy forceps



Holder


Ø2mm x 96mm
Trocar

Ø4.7mm x 87mm
Trocar Cannula

Mucosal scissors
Left curved

Mucosal scissors
Straight

Mucosal scissors
Right curved

Rongcur forceps
backward

Cutting forceps
30° up curved

0° Cutting
forceps

Rongcur forceps
forward

0° Biopsy
forceps

Biopsy forceps
30° up curved

Biopsy forceps
45° up curved

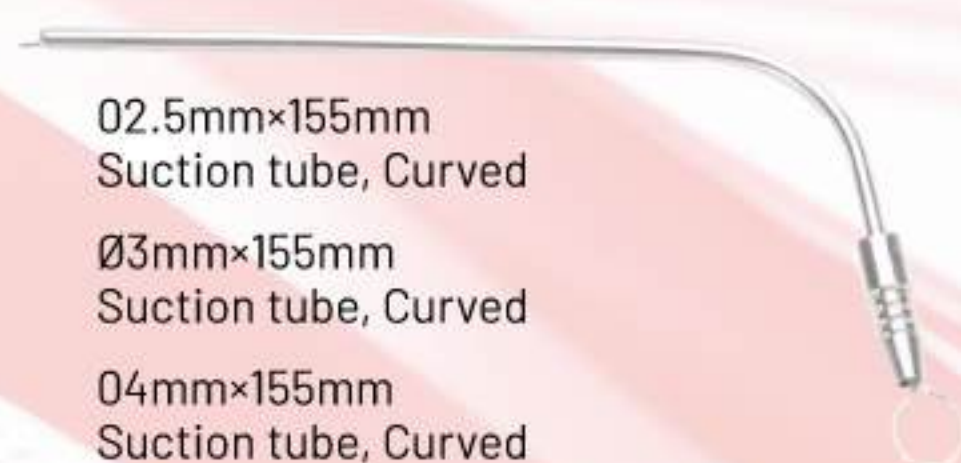
90° Biopsy
forceps up

Grain-shape
biopsy forceps


Grasping forceps slim serrated

Ø2.5mm x 155mm
Suction tube, Curved

Ø3mm x 155mm
Suction tube, Curved

Ø4mm x 155mm
Suction tube, Curved


Maxillary uncorking forceps


0° Biopsy forceps
(with suction tube)

45° Biopsy forceps
(with suction tube)


Acute mucosal knife



Obtuse mucosal knife



Ball curette



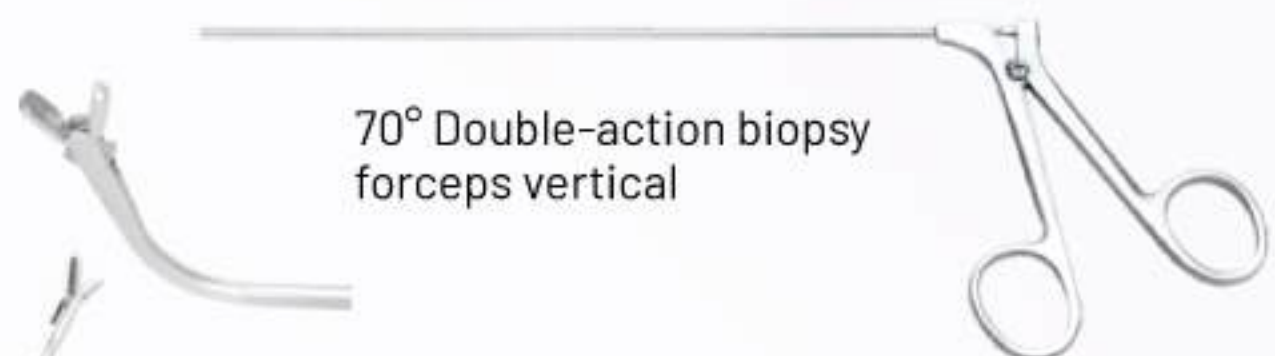
Long ball curette



Long ball curette



Double dividing instrument


70° Double-action biopsy
forceps vertical


110° Two-cups biopsy forceps


Ø3mm Suction tube, Curved
Ø2.5mm Suction tube, Curved

 ARTHROSCOPE



XE-1 ARTHROSCOPE Instruments

0°, Ø4mm×175mm
Arthroscope



30°, Ø4mm×175mm
Arthroscope



70°, Ø4mm×175mm
Arthroscope



0°, Ø5.5mm×138mm
Sheath two-stopcock



30°, Ø5.5mm×138mm
Sheath two-stopcock



70°, Ø5.5mm×138mm
Sheath two-stopcock



Ø4.3mm×173mm
Prism puncture needle



Ø4.3mm×187mm
Blunt obturator



Ø5.5mm×74mm
Trocar cannula



Ø5mm 92,5mm
Trocar



Ø4.8mm×165mm
Meniscus grasping forceps



Ø4mm×150mm
Synovium forceps, straight



Ø4mm×150mm
Needle location biopsy forceps



Ø5mm×150mm
Punch Forceps



Left 45° Ø4mm×130mm
Forceps



Right 45° Ø4mm×130mm
Forceps



Left Ø4mm×150mm
Curved scissors



Right Ø4mm×150mm
Curved scissors



(3mm) Ø5mm-1.5mm×105mm
Right angle probe



4mm×1.2mm×105mm
Hook knife



4mm×1mm×105mm
Backward knife



4mm×1.8mm×105mm
Spade knife, straight



4.8mm×105mm
Meniscus knife



Rosette knife



4mm×105mm
Half-round knife



4mm×105mm
Curette



Ø4mm×2m
Light cable

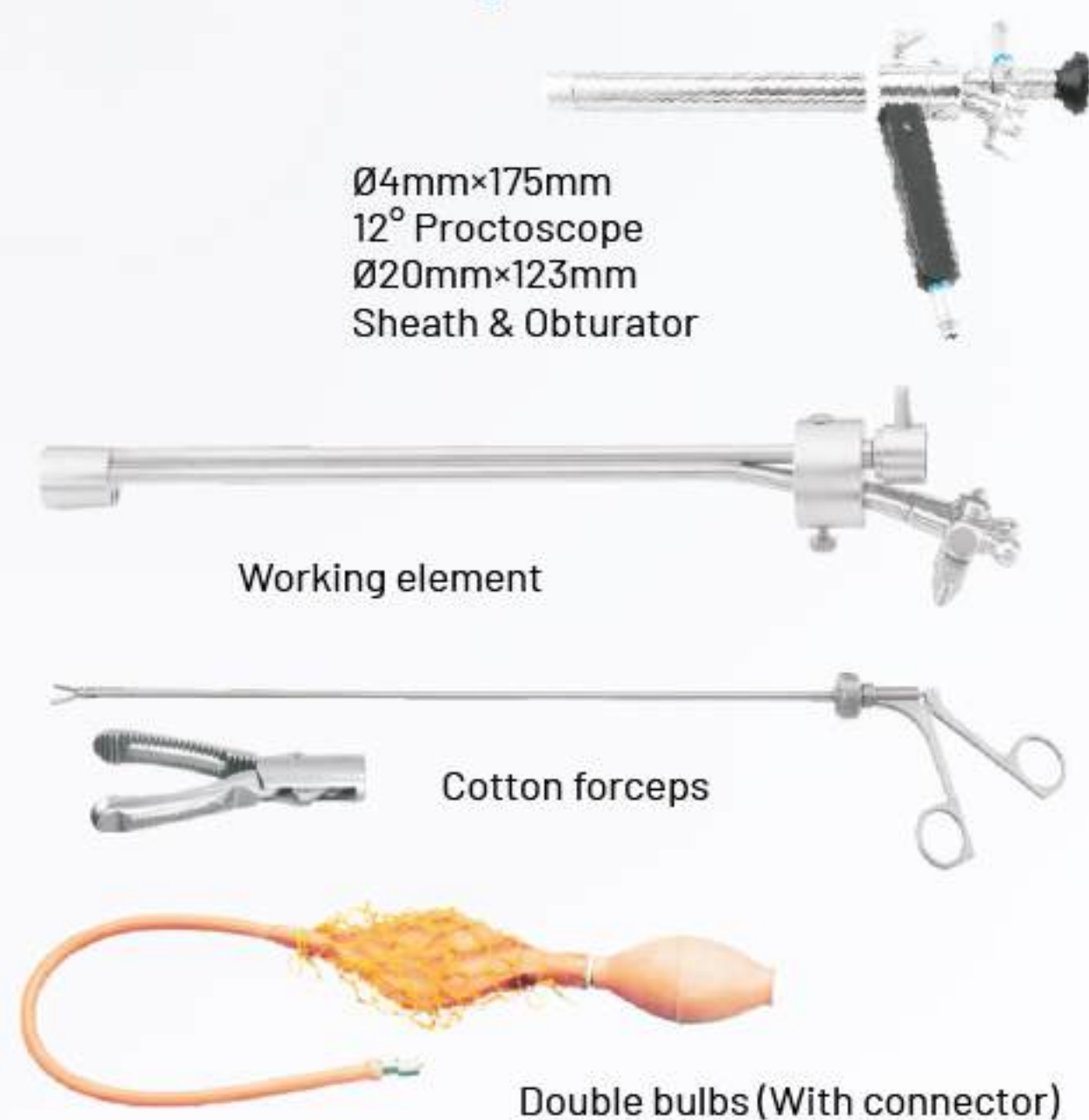


0° Ø4mm×130mm
Forceps

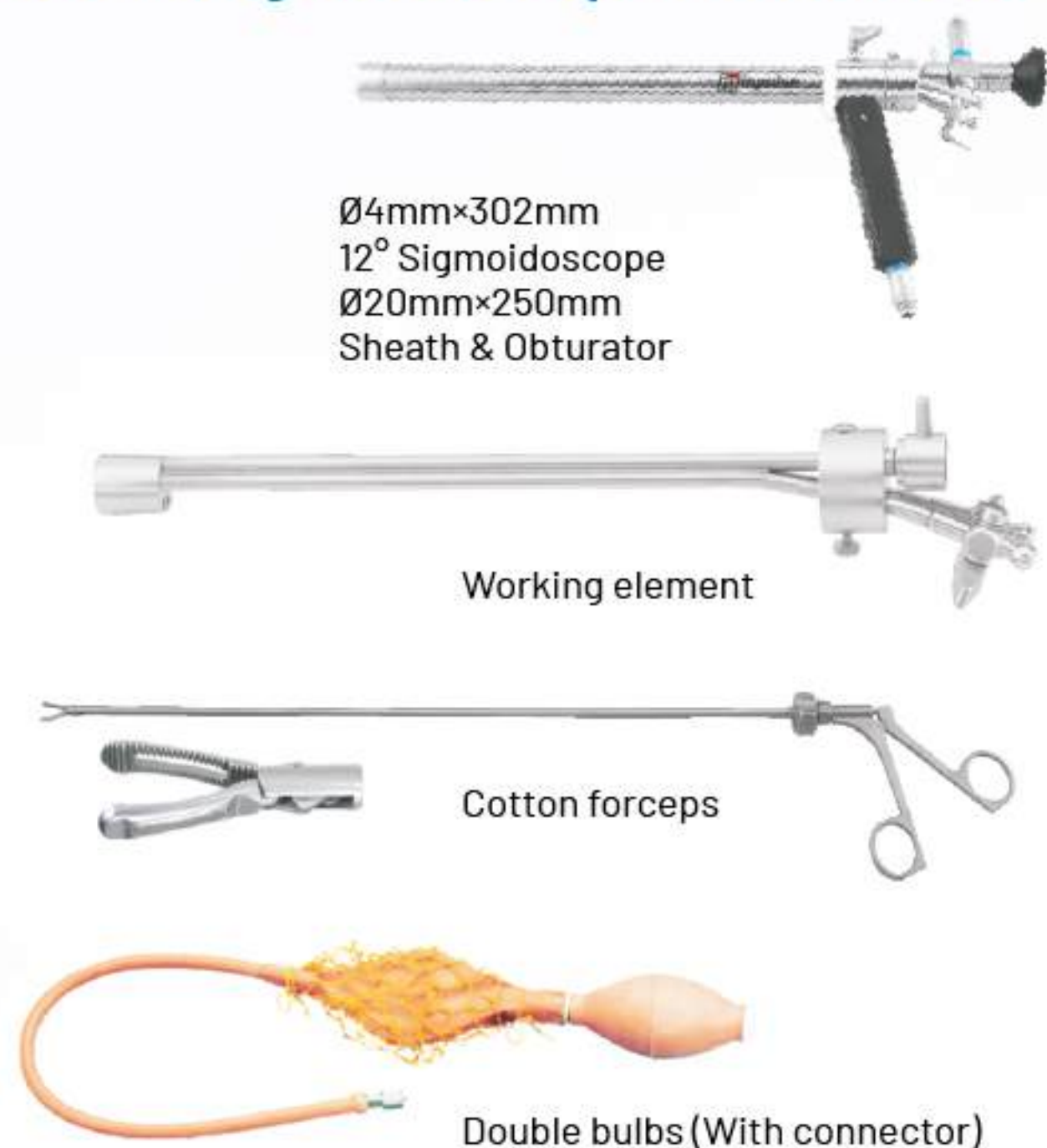


ANUS Enterology

ZE-1 Proctoscope Instruments



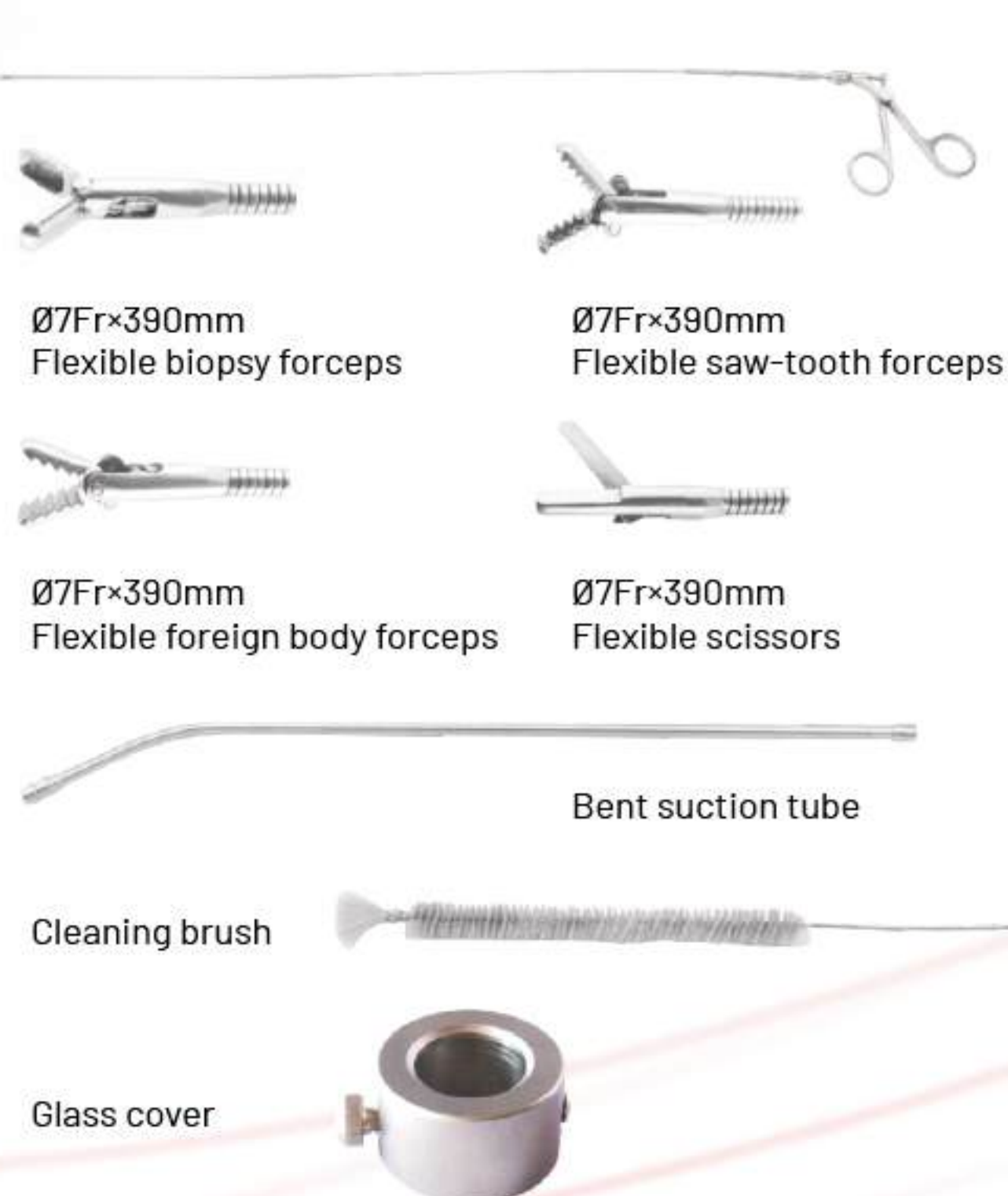
ZE-1A Sigmoidoscope Instruments



Flexible Instruments



Flexible Instruments





MADE IN BANGLADESH



MADE IN CHINA

COMBI MAX



Completely Modular and Upgradable 400W Energy Workstation
Monopolar, Bipolar, Vessel Sealing, Plasma Bipolar in Saline and Argon Enhancement.

Models:

MBXXX, MBXVX, MBXXP, MBXVP, MBAXX, MBAXP, MBAVX, MBAVP

ELSY - 360 D+



Mid-Range 400W Electro Surgical Unit with Monopolar and Bipolar with Added Features of Auto-Stop, EndoCut and Soft.

ELSY - 360 M+



Premium 400W Electro Surgical Unit with Monopolar, Bipolar and Vessel Sealing features.

ELSY - 360 L+



Mid-Range 400W Electro Surgical Unit with Monopolar and Bipolar with Added Features of Spray and Micro.

E - LITE



Basic 300W Electro Surgical Unit with Basic Monopolar and Bipolar Modes.



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