Wickland

4K 3 CMOS Camera System

HJ-30
cold light source

GEV-620
4k endoscope camera system

GEV-240
irrigation pump

SWD-QFG
insufflator

4k endoscope camera system

GEV-620

Product parameters

1. camera: 9,000,000 pixel 3*1/2.8" CMOS

2. resolution: 3840(H)*2160(V)

3. definition: 2100 lines

4. minimum illumination: 0.3Lux

5. video output: HDMI2.0/3G-SDI(4K UHD output) DVI,USB3.0*2,LAN

6. shutter speed: 1/60~1/60000(NTSC), 1/50~50000(PAL)

7. camera cable: 2.8m / length customized

8. power: 85 ~ 264VAC

9. freeze four times, the screen displays simultaneously

10. standard zoom coupler

11. USB storage, taking videos and photos

12. ≥7 department scenes can be choosed according to the endoscopes

cold light source

HJ-30

Product parameters

1. model: HJ-30 (touch screen)
2. output power: 140W/120W/100W
3. long life: ≥50000Hours
4. color temperature: 3000-7000k
5. brightness: ≥1600000lx
6. dimming mode: touch button, PWM can set a variety of working curves, automatic temperature detection and control, colour rendering index ≥293
7. light cable: F4.8,3000mm, autoclavable
8. there is a timer on the screen to display the cumulative usage time
9. low noise: less than 55dB
10. the temperature is controlled closed to human body, no burning sensation
11. built-in cooling fan to effectively extend the service life

irrigation pump

GEV-240

Product parameters

1.5-inch LCD screen

2.extrusion water supply, more sophisticated, maintain the cavity shape and visual effect well

3.irrigation + suction, expand the cavity and clean the dirty blood in the cavity

4.pressure setting range: 15-700mmHg, flow rate setting range: 10ml-1500ml/min

5.automatic stop in case of overpressure, alarm on LCD screen

6.suction pressure range: 100-400mmHg, suction flow range: 1000ml-30000ml/min

7.actual flow, actual pressure, etc. can be displayed in real time

8.medical-grade tubes, to ensure surgical safety and can be used perfectly with other brands

9.the tubes can be sterilized autoclavable, and low temperature plasma

10.accurate output of flow and pressure, stable operation, strong anti-interference ability, etc

11.disposable and reusable tubes

Packing list

1.irrigation pump machine: 1 unit

2.infusion pump tube: 1 set

3.silicone diaphragm: 4 pcs

4.power cord: 1 pc

5.negative pressure suction bottle 2000 ml: 1pc

6.silicone tube φ6*10*2800 mm: 1 pc

7.silicone tube φ6*10*600 mm: 1 pc

8.fuse: 2 pcs

9.user manual: 1 pc

Irrigation pump line

Silicone diaphragm*4

Silicone tube

Fuse*2

Suction bottle 2000ml

insufflator

SWD-QFJ

Product parameters

1.environment degree request:5-40°C   2.relative humidity:30-80%   3.pressure:(700~1060)hPa

4.power supply:AC100-240V,50/60HZ   5.input power:50VA

◆ set pressure from 3mmHg~25mmHg.

◆ The tolerance of pre display pressure is ± 266.6Pa(2mmHg).

◆ Reminding with sound alarms when over pressure is 3mmHg,the tolerance is 2mmHg.

◆ Automatic overpressure release,the time is 40s.

◆ Underpressure time is 20s.

◆ gas flow:(0~42)L/min.

Monitor   SWD-XSQ

Product parameters

1.Display screen：LCD、LED TFT display screen

2.Screen proportion：16:9

3.Brightness：450cd/m2   4.Maximumresolution：1920x1080

5.Screen back light tube life：50000H   6.Contrast：1000:1

7.Viewingangle：178°(H)/178°(V)

8.Equipmentinput：line frequency:30~80kHz/field frequency:60~75Hz

9.Visible color：about 16.7 million colors(high color rendering)

10.Inputsignal：VGA、DVI、HDMI   11.frequency：60Hz

12.voltage：110V~240V   13.power：40W

monitor

24’、27’、30’、32’
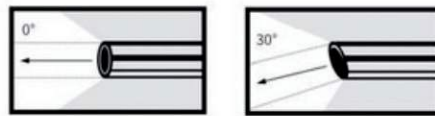(and other sizes are available)

Multi function trolley   SWD-TC

• Overall combination   • Free loading and unloading   • Adjustable laminates

• Multiple space combinations   • With hard mirror and soft mirror bracket

laparoscope

SWD-FQJ

F4K30.01	φ5X330mm	30°	4K
F4K30.03	φ10X330mm	30°	4K

FQJ00.41	φ5X300mm	0°
FQJ30.39	φ5X300mm	30°

FQJ00.01	φ10X330mm	0°
FQJ30.01	φ10X330mm	30°

FQJ30.15	φ8X330mm	30°

SWD-FQJ -I

FQJ I 12.09   φ8X330mm   12°

SWD-FQJ - II

FQJ II 12.07   φ10X210mm   12°

SWD-FQJ -III

FQJ III 00.23   φ6X210mm   0°

Laparoscopic Instrument

544250(XL) hem-o-lok clip XL
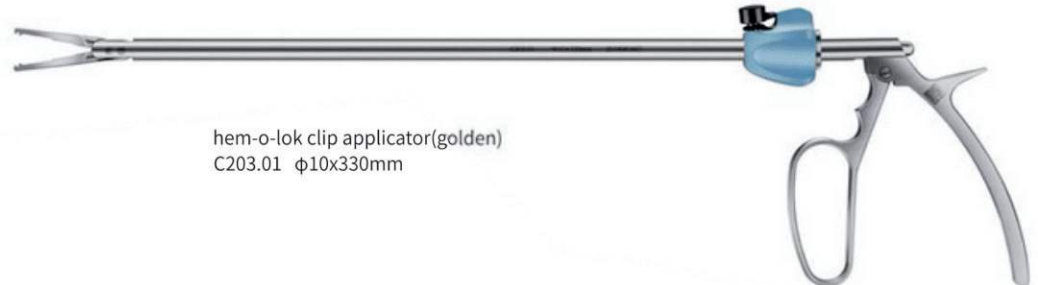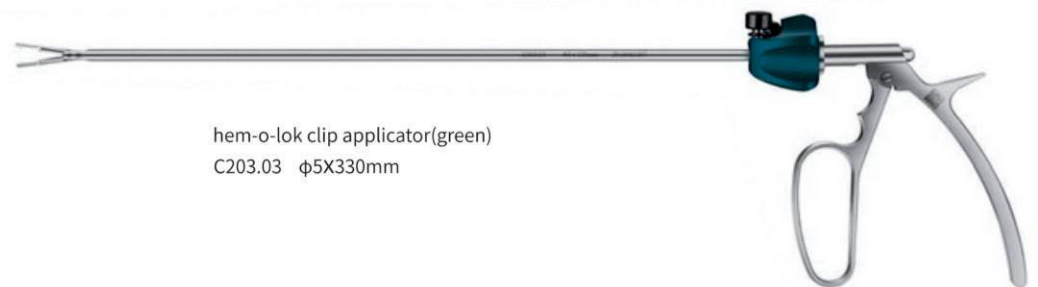
hem-o-lok clip applicator(golden)
C203.01 φ10x330mm

544240(L) hem-o-lok clip L
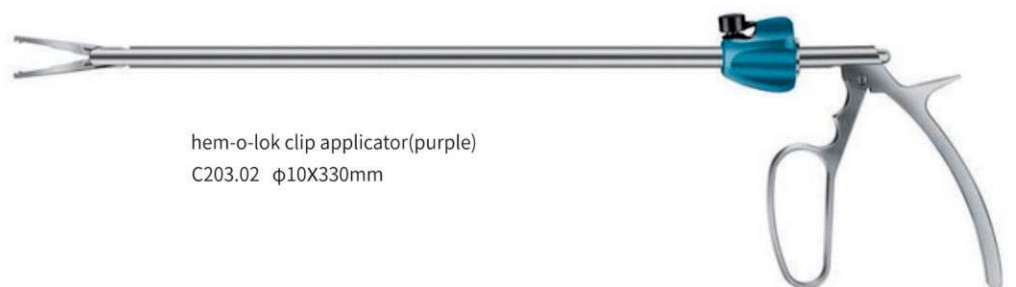
hem-o-lok clip applicator(purple)
C203.02 φ10X330mm

544230(ML) hem-o-lok clip ML

hem-o-lok clip applicator(green)
C203.03 φ5X330mm

clip remover

C204.01 φ5X330mm
C204.02 φ10X330mm

Lapro-clip applicator(fit COVIDIEN brand)

8886848813

C206.01 φ10X265mm
C206.02 φ10X365mm(long)
C206.03 φ10X110mm (short)

grasping forceps

C223.01   φ10X330mm   2+3 teeth,single action

bulldog clip applicator

C282.02   φ10X330mm

bulldog clip applicator

C282.01   φ10X330mm

straight with teeth
C282.01.01(35mm)

tiny teeth,fenestrated
C282.01.03(35mm)

straight with teeth
C282.01.05(25mm)

toothless
C282.01.02(60mm)

curved with teeth
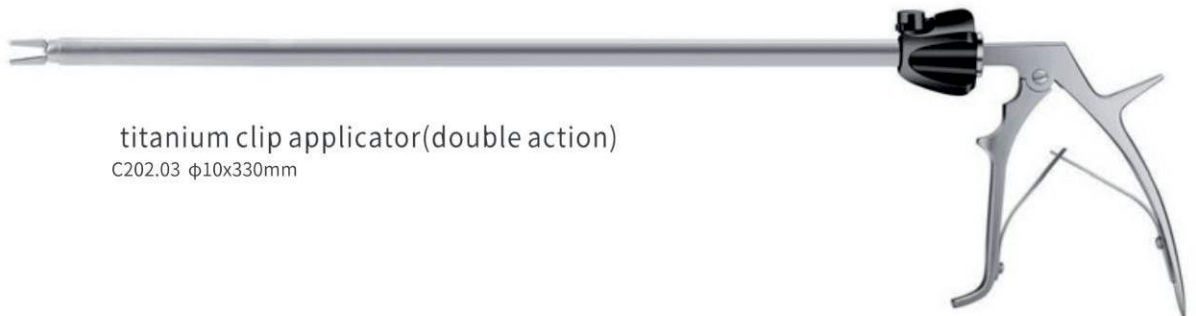C282.01.04(35mm)

curved with teeth
C282.01.06(25mm)

Laparoscopic Instrument

titanium clip applicator(single action)

C202.01 φ10x330mm
C202.02 φ5x330mm

titanium clip applicator(double action)
C202.03 φ10x330mm

biopsy forceps
C201.01 φ10X330mm

biopsy forceps
C291.01

veress needle

C257.01 φ2.2X130mm
C257.02 φ2.2X150mm (long)
C257.03 φ2.5X130mm
C257.04 φ2.5X150mm (long)

Laparoscopic Instrument

biopsy forceps(biliary tract)

C220.14.1 φ5X330mm up and down opened

C220.14.2 φ5X330mm left and right opened

spring grasping forceps

C239.01 φ5X330mm
C239.02 φ5X330mm(long)

hernia forceps
C292.01

knot tier

C260.01 5x330mm (metal)   C260.02 5x330mm(plastic)   C260.03 5x330mm(Y-shaped)
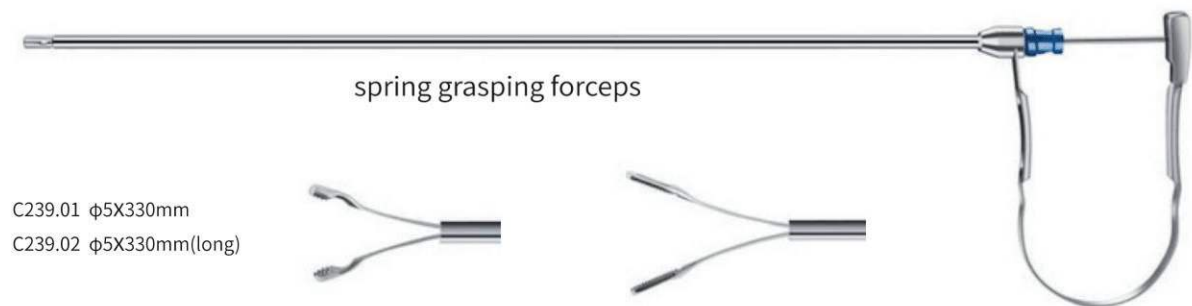
trocar accessories

needle

needle with safety

magnetic flake

cross valve

C261.03

C261.02 φ10-5 80mm

C261.01 φ10-5 150mm

trocar(stainless steel)

(magnetic flake)CM254.01 φ10.5x100mm
(magnetic flake)CM255.01 φ5.5x100mm

(magnetic,with thread)CM254.02 φ10.5x100mm
(magnetic,with thread)CM255.02 φ5.5x100mm

(cross valve)CM254.03 φ10.5x100mm
(cross valve)CM255.03 φ5.5x100mm

(cross valve,with thread)CM254.08 φ10.5x100mm
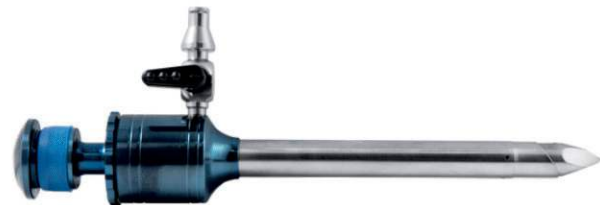(cross valve,with thread)CM255.08 φ5.5x100mm

trocar(stainless steel with safety)

(magnetic flake)CM254.04 φ10.5x100mm
(magnetic flake)CM255.04 φ5.5x100mm

(magnetic,with thread)CM254.05 φ10.5x100mm
(magnetic,with thread)CM255.05 φ5.5x100mm

(cross valve)CM254.06 φ10.5x100mm
(cross valve)CM255.06 φ5.5x100mm

(cross valve,with thread)CM254.07 φ10.5x100mm
(cross valve,with thread)CM255.07 φ5.5x100mm

trocar(titanium alloy)

(magnetic flake)C254.01 φ10.5x100mm
(magnetic flake)C255.01 φ5.5x100mm

(magnetic,with thread)C254.02 φ10.5x100mm
(magnetic,with thread)C255.02 φ5.5x100mm

(cross valve)C254.03 φ10.5x100mm
(cross valve)C255.03 φ5.5x100mm

trocar(titanium alloy with safety)

(magnetic flake)C254.04 φ10.5x100mm
(magnetic flake)C255.04 φ5.5x100mm

(magnetic,with thread)C254.05 φ10.5x100mm
(magnetic,with thread)C255.05 φ5.5x100mm

(cross valve)C254.06 φ10.5x100mm
(cross valve)C255.06 φ5.5x100mm

trocar(titanium alloy with safety)

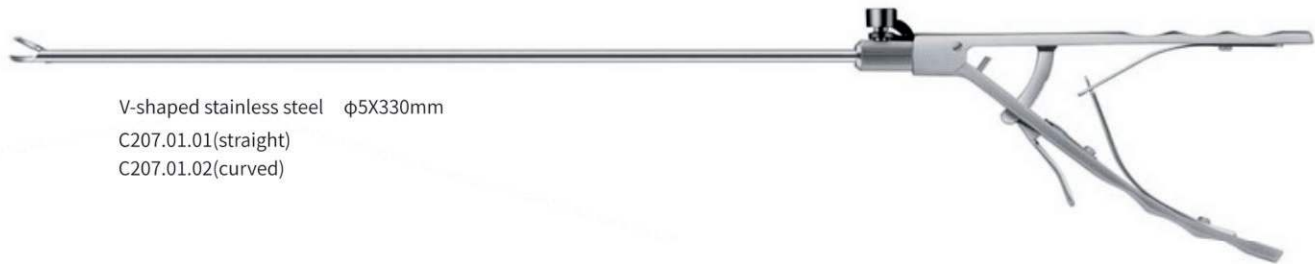(cross valve)C256.01 φ12.5X100mm

(cross valve,with thread)C256.02 φ12.5x100mm

(cross valve,with thread)C254.07 φ10.5X100mm

(cross valve,with thread)C255.07 φ5.5x100mm

needle holder

V-shaped stainless steel   φ5X330mm
C207.01.01(straight)
C207.01.02(curved)

O-shaped stainless steel   φ5X330mm
C207.03.01(straight)
C207.03.02(curved)

V-shaped titanium alloy   φ5X330mm
C207.02.01 (straight)
C207.02.02(curved)

pistol-shaped   titanium alloy φ5X330mm
C207.04.01(straight)
C207.04.02(curved)
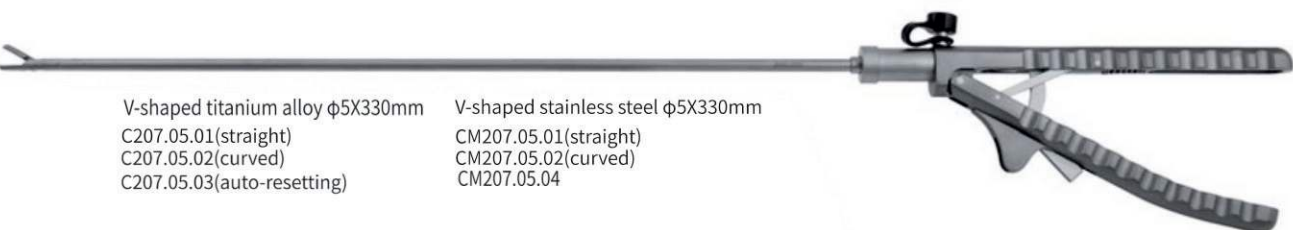
V-shaped titanium alloy φ5X330mm
C207.05.01(straight)
C207.05.02(curved)
C207.05.03(auto-resetting)

V-shaped stainless steel φ5X330mm
CM207.05.01(straight)
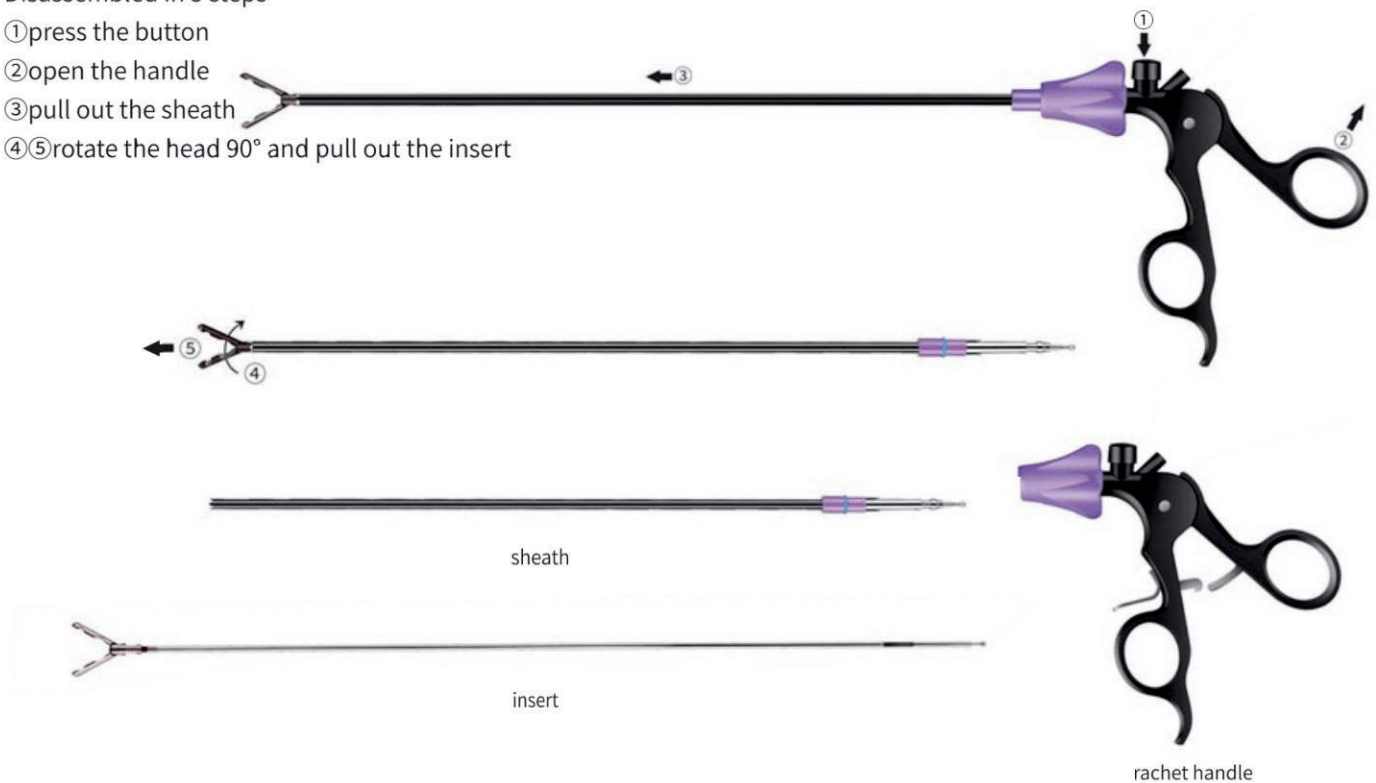CM207.05.02(curved)
CM207.05.04

straight

curved

auto-resetting

Disassembled(without monopolar connector)

Disassembled in 5 steps
① press the button
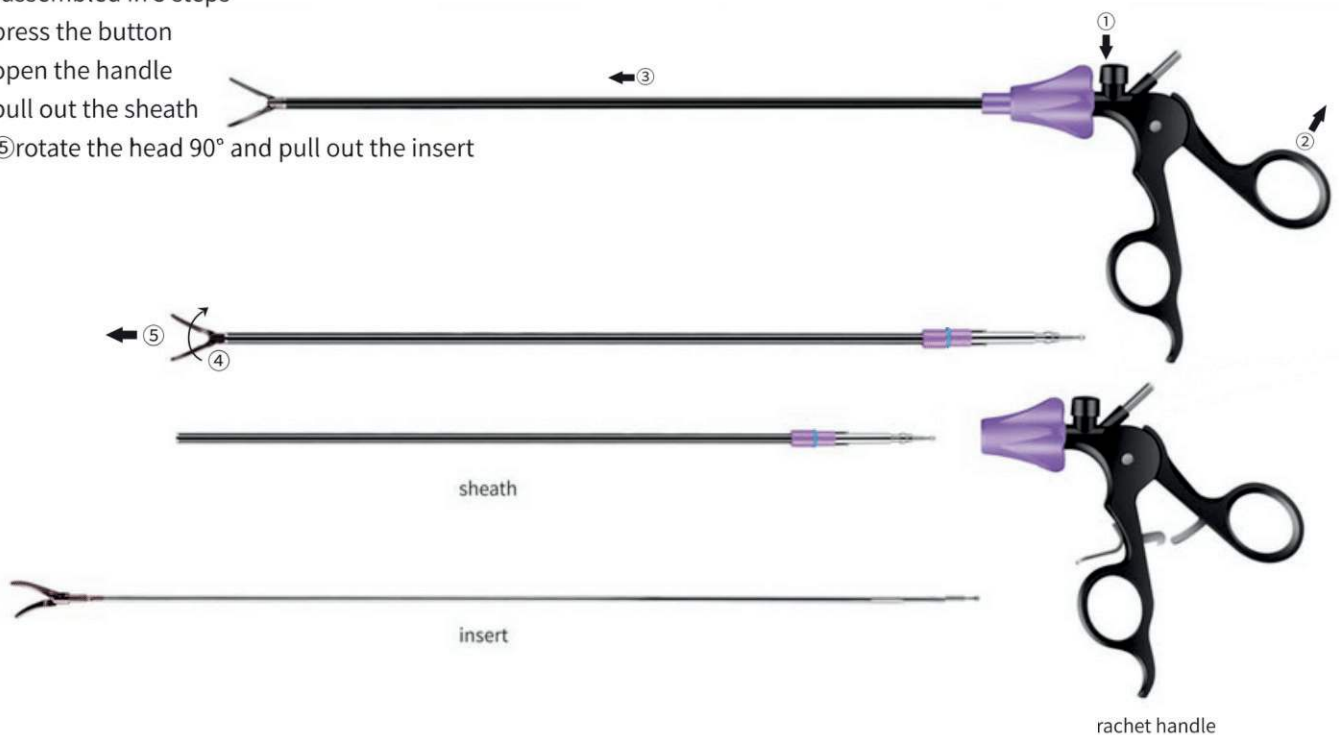② open the handle
③ pull out the sheath
④⑤ rotate the head 90° and pull out the insert

sheath

insert

rachet handle

Disassembled (with monopolar connector)

Disassembled in 5 steps
① press the button
② open the handle
③ pull out the sheath
④⑤ rotate the head 90° and pull out the insert

sheath

insert

rachet handle

instruments(without coating)

grasping forceps (bowel grasper) C220.01 φ5X330mm	biopsy forceps C220.14 φ5X330mm
grasping forceps (bowel grasper,fenestrated) C220.02 φ5X330mm	grasping forceps(appendix) C220.15 φ5X330mm
grasping forceps(clasping) C220.03 φ5X330mm	grasping forceps(babcock) C220.16 φ5X330mm
grasping forceps(duckbill) C220.04 φ5X330mm	grasping forceps(oviduct) C220.17 φ5X330mm
grasping forceps(atraumatic) C220.05 φ5X330mm	grasping forceps(oviduct S) C220.17.1 φ5X330mm
grasping forceps (tiny serration,atraumatic) C220.06 φ5X330mm	grasping forceps(oviduct L) C220.17.2 φ5X330mm
grasping forceps (atraumatic) C220.07 φ5X330mm	grasping forceps(mesentery) C220.18 φ5X330mm
grasping forceps (toughteeth,atraumatic) C220.08 φ5X330mm	grasping forceps (mesentery,fenestrated) C220.18.1 φ5X330mm
grasping forceps(maxi) C220.09 φ5X330mm	grasping forceps (crossteeth,fenestrated) C220.19 φ5X330mm
grasping forceps(blunt) C220.10 φ5X330mm	grasping forceps (verticalteeth,fenestrated) C220.20 φ5X330mm
grasping forceps (pointed,dolphin nose) C220.13 φ5X330mm	grasping forceps(O-shaped) C220.21 φ5X330mm

instruments(without coating)

grasping forceps (O-shaped,fenestrated) C220.22 φ5X330mm	grasping forceps C220.35 φ5X330mm
grasping forceps(stomach) C220.23 φ5X330mm	grasping forceps (slight serrated) C220.36 φ5X330mm
grasping forceps(coincide) C220.25 φ5X330mm	grasping forceps (double holes) C220.37 φ5X330mm
grasping forceps (CROCE/OLMI,single action) C220.26 φ5X330mm	grasping forceps C220.41 φ5X330mm
grasping forceps(fixation) C220.27 φ5X330mm	A-knot forceps C220.42 φ5X330mm
grasping forceps C220.28 φ5X330mm	knot forceps C220.43 φ5X330mm
grasping forceps(urethra) C220.29 φ5X330mm	grasping forceps(pawl) C221.01 φ5X330mm
grasping forceps (CROCE/OLMI,double action) C220.30 φ5X330mm	clawforceps(2+3teeth) C221.03 φ5X330mm
grasping forceps(pike) C220.32 φ5X330mm	claw forceps(1+2teeth) C221.04 φ5X330mm
grasping forceps (alligator jaws) C220.33 φ5X330mm	claw forceps (1+2 teeth, double action) C221.04.1 φ5X330mm
grasping forceps (appendix,short) C220.34 φ5X330mm	claw forceps(pawl,2+3teeth) C221.05 φ5X330mm

instruments(without coating)

grasping forceps (rough serrated,fenestrated) C221.07 φ5X330mm		curved scissors (double action,long) B209.04 φ5X330mm	
biopsy punch forceps (two teeth) C221.08 φ5X330mm		curved scissors (double action,short) B209.04.1 φ5X330mm	
grasping forceps(triporate) C221.10 φ5X330mm		hook scissor B209.05 φ5X330mm	
grasping forceps C221.11 φ5X330mm		scissor(single action,45°) B209.06 φ5X330mm	
grasping forceps(2+3teeth) C221.12 φ5X330mm		dissecting forceps(straight) B212.01 φ5X330mm	
grasping forceps(with teeth) C221.13 φ5X330mm		dissecting forceps (curved 19mm) B213.01 φ5X330mm	
grasping forceps(WOLF teeth) C221.14 φ5X330mm		dissecting forceps (curved 17mm) B213.01.1 φ5X330mm	
grasping forceps (with teeth,double action) C221.15 φ5X330mm		dissecting forceps (curved 14mm) B213.01.2 φ5X330mm	
straight scissors(single action) B209.01 φ5X330mm		dissecting forceps (curved 12mm) B213.01.3 φ5X330mm	
straight scissors(double action) B209.02 φ5X330mm		dissecting forceps (grid teeth,17mm) B213.09 φ5X330mm	
curved scissors(single action) B209.03 φ5X330mm		dissecting forceps (Precision) B213.11 φ5X330mm	

instruments(without coating)

dissecting forceps(90°)
B213.04
φ5X330mm

dissecting forceps(70°)
B213.05
φ5X330mm

dissecting forceps(45°)
B213.06
φ5X330mm

dissecting forceps(30°)
B213.07
φ5X330mm

dissecting forceps
(grid teeth)
B213.08
φ5X330mm

dissecting forceps
(grid teeth,90°)
B213.10
φ5X330mm

Anti-stick coating

grasping forceps
(bowel grasper, fenestrated)
C220.02H
φ5X330mm

grasping forceps
(tiny serration,atraumatic)
C220.06H
φ5X330mm

grasping forceps
(CROCE/OLMI,single action)
C220.26H
φ5X330mm

dissecting forceps
(curved 19mm)
B213.01H
φ5X330mm

compatible with all 5mm instrument inserts

dissecting forceps(90°)
C213.04.1
φ10X330mm

dissecting forceps(70°)
C213.05.1
φ10X330mm

bipolar forceps type II

Disassembled in 5 steps

①press the button②open the handle③pull out the sheath④⑤rotate the head and pull out the insert

③

B262.02 φ5x330mm

① ② handle

⑤ ④

sheath

insert

atraumatic B262.02.01

dissecting B262.02.02
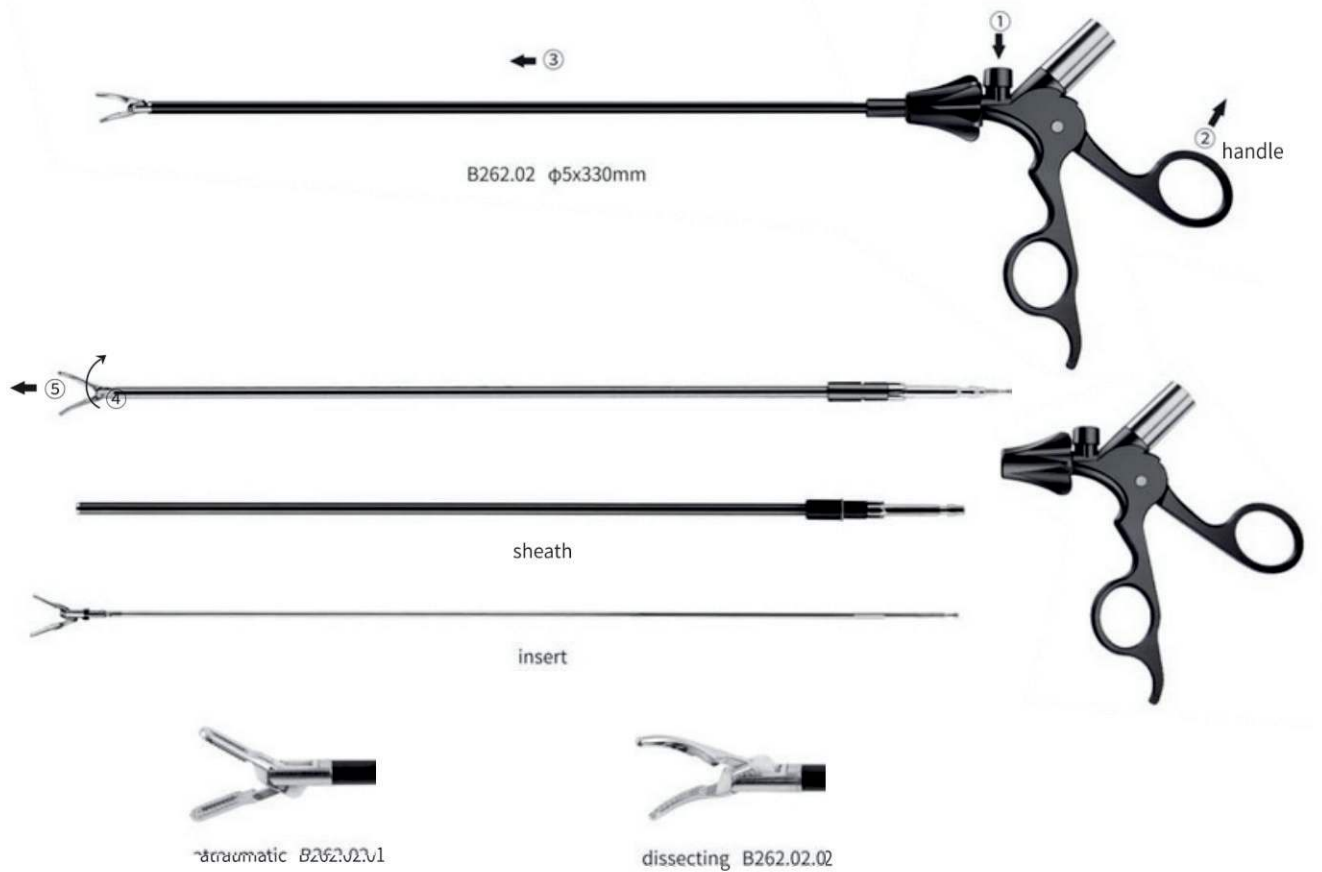
HF cable

Adaptor for monopolar cable
B271.01   8mm

Adaptor for monopolar cable
B271.01.01   6mm

B270.01 monopolar cable length 3000mm

B270.02 bipolar cable length   3000mm

electrode

electric hook
B234.01 φ5x330mm

electric hook
B234.01.02 φ5x330mm

electric coagulator
B235.01 φ5x330mm

electric coagulator
B235.02 φ5x330mm

electric spud
B236.01φ5x330mm

electric needle
B237.01φ5x330mm

electrode with suction channel

push type

electric coagulator
B239.01

electric hook
B239.02

electric spud
B239.06

button type

electric coagulator
B239.03

electric hook
B239.04

electric spud
B239.05

suction and irrigation

push type
C232.02.02 φ5x330mm   C232.02.01 φ10x330mm

button type
C232.04.02 φ5x330mm   C232.04.01 φ10x330mm

suction needle

φ5x330mm

C259.03.03 0.9mm   C259.02.02 1.2mm   C259.01.01 1.6mm   C259.01 2.0mm
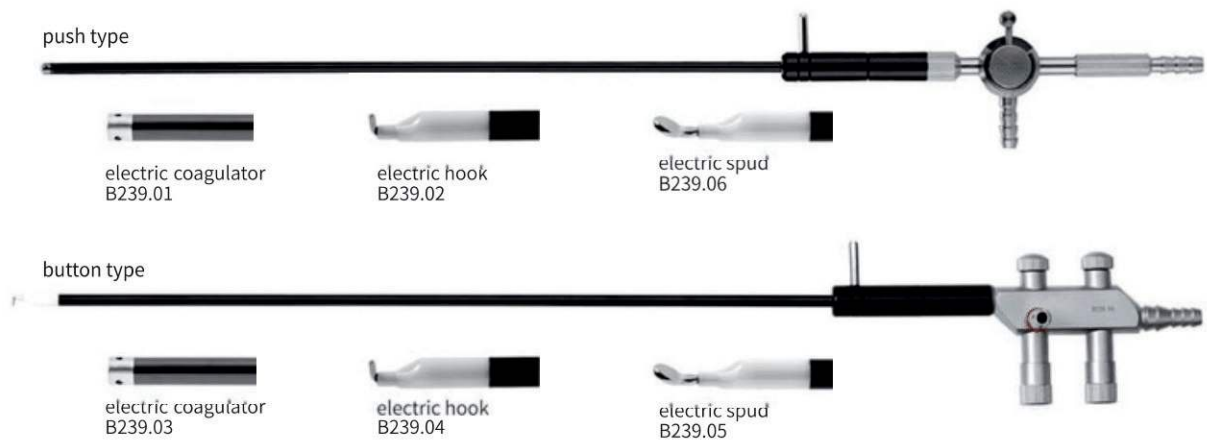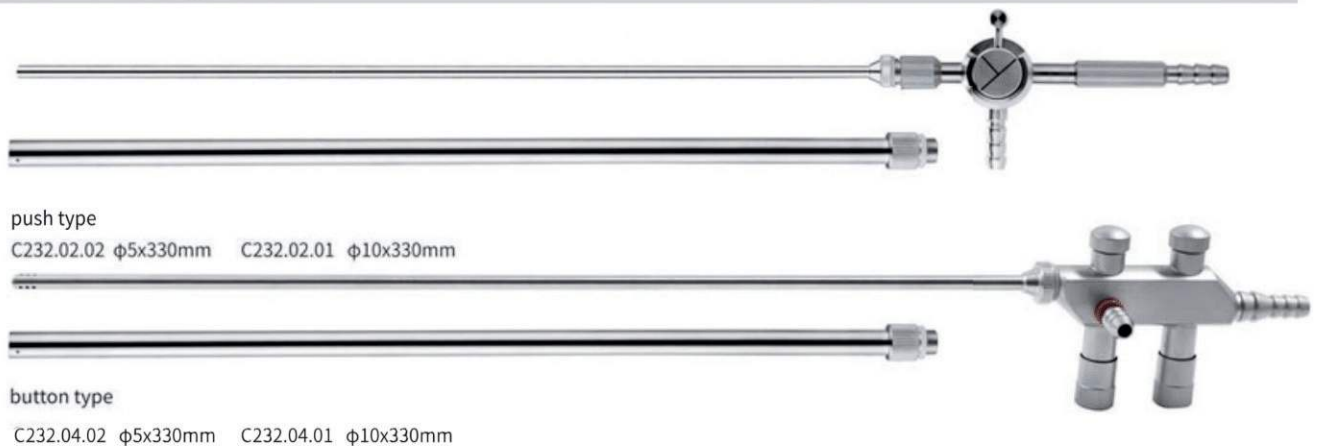
Pediatric laparoscopic instrument set

titanium clip applicator
C202.02 φ5x330mm

hem-o-lok clip applicator
C203.03 φ5x330mm

trocar CM253.01 φ3x75mm

trocar CM255.01 φ5.5x100mm

reducer C361.01 φ5-3 80mm

suction and irrigation
C332.02.02 φ3x300mm

needle holder   CM307.06.01 (straight) CM307.06.02 (curved) φ3x300mm
                 CM407.06.01 (straight) CM407.06.02 (curved) φ3x200mm

straight head

curved head

electric hook
B334.01 φ3x300mm
B434.01 φ3x200mm

electric coagulator
B335.01 φ3x300mm
B435.01 φ3x200mm

electric needle
B337.01 φ3x300mm
B437.01 φ3x200mm

Abdominal Retractor System   SWD-G
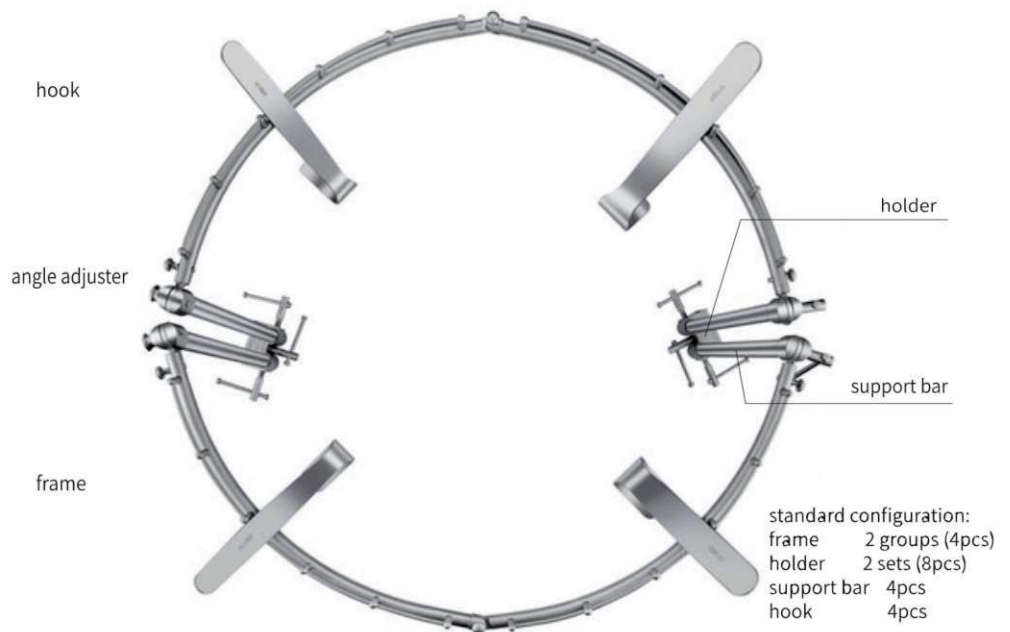
Product Adaptation:
The abdominal retractor is suitable for all abdominal surgeries, especially upper abdominal surgeries, such as liver and kidney transplantation, hepatic lobectomy, total gastrectomy, two-dimensional pancreas resection, splenectomy, peripancreatic detachment, and colorectal surgery, etc. It has many advantages, such as satisfactory visualization of the operative field, time-saving and power-saving. and is a good helper for surgical procedures.

Product Structure:
The abdominal retractor is precision machined from high quality stainless steel and has two detachable semi-circular positioning frames, two adjustable positioning bases, and four adjustable backbones.

Performance Features:
①This product has a stable structure and reasonable design, and can be quickly fixed on different types of cellular beds.
②Adjust the angle and orientation according to the needs of different surgeries.
③Easily tested, disassembled, cleaned, and can be sterilized in various ways.

hook

angle adjuster

frame

holder

support bar

standard configuration:
frame   2 groups (4pcs)
holder   2 sets (8pcs)
support bar 4pcs
hook   4pcs

Abdominal surgical retractor SWD-G

G503.01 support bar(fixed)

G505.01 bracket angle positioning screw

G504.01 support bar

G501.01 hook(small)

G509.01 support bar locating screw

G507.01 holder

G507.01

G509.01

G509.01

G508.01 holder screw

G508.01

G506.02 detachable semi-circular positioning frame

G502.01 hook(middle)

G506.01 detachable semi-circular positioning frame