



• Code of endoscope

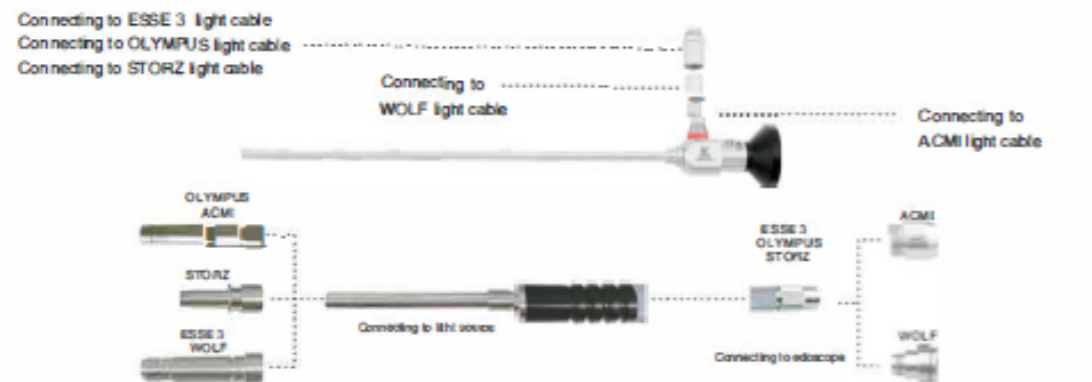


	Endoscopes	Autoclavable endoscope
	<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">□□□□□</div> <div> <p>G or CG</p> <p>G: wide angle, CG: wider angle</p> <p>Code(English letter)</p> <p>Angle of view direction (Arabic numerals)</p> <p>Kinds of endoscopes(Arabic numerals)</p> </div> </div>	<p>Autoclave</p> <p>134° C/273° F</p>

• Mark of color code

	● 0° / 5°	● 12°	● 30° / 25° 22°	● 45° / 90°	● 70°	○ 110°
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• How to connect the light cable



The picture is only for reference. Please refer to the real object.



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ORTHOPEDICS



Since 1985

ENDOSCOPES



Arthroscope GJ-3



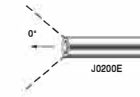
J0230G
G4503X

Product features

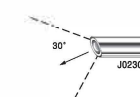
- Endoscope adopts imported stainless steel material
- Endoscope adopts German optic glass, light fiber and light cone
- Adopt the patented technology of rod optical lens, clear field of view
- With direction index, sapphire lens cover never abrasion
- The autoclavable endoscope can be chosen
- The operation instruments adopt imported stainless steel material, no coating, good anti-corrosion function
- Stainless steel valve, easy for maintenance, avoid damaging



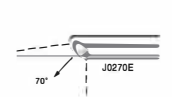
• Endoscope



J0200G 0° Endoscope
φ4mm × 175mm



J0230G 30° Endoscope
φ4mm × 175mm



J0270G 70° Endoscope
φ4mm × 175mm

• Sheath, Prism puncture needle, Blunt obturator

G4500X 0° Sheath two-stopcock (Rotatable)
φ5.5mm × 140mm



G4507X 70° Sheath two-stopcock (Rotatable)
φ5.5mm × 140mm



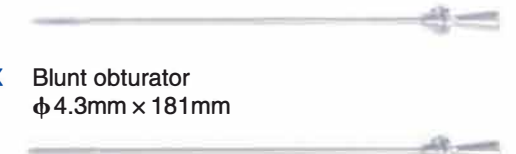
G4503X 30° Sheath two-stopcock (Rotatable)
φ5.5mm × 140mm



G4520X Prism puncture needle
φ4.3mm × 184mm



G4540X Blunt obturator
φ4.3mm × 181mm



• Forceps



G5016.1 Duck-jaw Punch, right curved
4.8mm × 122mm



G5013.1 Duck-jaw Punch, straight
4.8mm × 125mm



G5002.1 Duck-jaw Punch, right curved
4.8mm × 125mm



G5003ZT Anterior Horn Punch, left curved
5.6mm × 115mm



G5013.2 Straight Punch
3.5mm × 125mm



G5003YT Anterior Horn Punch, right curved
5.6mm × 115mm

• Forceps



G5004YT 90° Punch, right curved
7mm x 125mm



G5004ZT 90° Punch, left curved
7mm x 125mm



G5014.1 Duck-jaw Punch, left curved
4.8mm x 122mm

• Right angle probe

G5901 Right angle probe
φ3mm x 120mm

G5902 Right angle probe
φ5mm x 120mm



• Scissors

G5302T 20° Scissors, left curved
5.5mm x 125mm

G5303T 20° Scissors, right curved
5.5mm x 125mm

G5302.2 60° Scissors, right curved
7.1mm x 125mm

G5302.1 60° Scissors, left curved
7.1mm x 125mm



• Tissue Grasper



G5001 Tissue Grasper
3.3mm x 125mm
with/without lock



G5001T Tissue Grasper
4.0mm x 125mm
with/without lock

• Light cable

U8724 Light cable
φ4mm x 2m
φ4mm x 3m



1. Connecting to ESSE 3 fountain
Connecting to WOLF fountain
2. Connecting to STORZ fountain

U9910EB Disinfection box
293mm x 84mm x 42mm



• Knife, Curette, Bone file



G5408 Meniscus knife
φ3mm x 105mm

G5401 Hook knife
φ3mm x 105mm



G5409 Rosette knife
φ3mm x 105mm



G5403 Backward knife
φ3mm x 105mm



G5410 Half-round knife
φ3mm x 105mm



G5404 Spade knife, straight
φ3mm x 105mm



G5411 Curette
φ3mm x 105mm



G5911N Curette
φ3mm x 105mm



G5915N Bone file
φ3mm x 105mm



G5406N Banana Knife
φ3mm x 105mm



• Suture cutters, Suture passers

G5003.1 Suture grasper
4mm x 165mm



G5304.1 Suture cutters
4mm x 142mm



G5304.2 Suture cutters
4.2mm x 129mm



G5903.1 Suture passers
4.4mm x 136mm



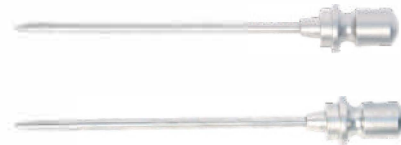
G5903.1 Suture passers needle core
2.0mm x 25.5mm

• Trocar cannula, Trocar

G4502 Trocar cannula
φ5.8mm × 74mm



G4542 Trocar
φ5mm × 93mm



• Punch forceps, Meniscus grasping forceps, Synovium forceps

G5001 Meniscus grasping forceps
φ5mm × 135mm



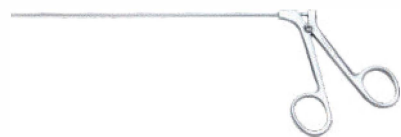
G5004 Punch forceps
φ5mm × 150mm



G5002 Synovium forceps, straight
φ4mm × 140mm



• Instrument



G5003 Needle location biopsy forceps
φ3.6mm × 145mm



G5302 Curved scissors(left)
φ3.5mm × 140mm



G5013 Forceps(0°)
φ5mm × 135mm



G5303 Curved scissors(right)
φ3.5mm × 140mm



G5014 Forceps (left45°)
φ5mm × 135mm



G5304 Straight scissors
φ4mm × 150mm



G5016 Forceps(right45°)
φ5mm × 135mm



• Accessories of arthroscope (Endoscope)



J0200E 0° Arthroscope
φ4mm × 175mm

J0200CG 0° Arthroscope (angle of field: 110°)
φ4mm × 175mm

J1200 0° Arthroscope
φ3mm × 175mm

J2200 0° Arthroscope
φ2.7mm × 175mm

J0212 12° Arthroscope
φ4mm × 175mm

J0230E 30° Arthroscope
φ4mm × 175mm

J0230CG 30° Arthroscope(angle of field: 110°)
φ4mm × 175mm

J1230 30° Arthroscope
φ3mm × 175mm

J2230 30° Arthroscope
φ2.7mm × 75mm

J0245G 45° Arthroscope (angle of field: 90°)
φ4mm × 175mm

J0245E 45° Arthroscope
φ4mm × 175mm

J0270E 70° Arthroscope
φ4mm × 175mm

J0270CG 70° Arthroscope (angle of field: 110°)
φ4mm × 175mm

J1270 70° Arthroscope
φ3mm × 175mm

J2270 70° Arthroscope
φ2.7mm × 175mm

J0290E 90° Arthroscope
φ4mm × 175mm

J02110C 110° Arthroscope
φ4mm × 175mm

J0230GS 30° Arthroscope (stryker connector)
φ4mm × 142 mm

• Arthroscope accessories (Sheath, Prism puncture needle)

G4510X 0° sheath two-stopcock(Rotatable)
φ4mm × 140mm



G4513X 30° Sheath two-stopcock (Rotatable)
φ4mm × 140mm



G4517X 70° sheath two-stopcock (Rotatable)
φ4mm × 140mm



G4530X Prism puncture needle
φ3mm × 180mm



G4550X Blunt obturator
φ3mm × 180mm



• Forceps

G5046N Punch forceps 45° (Right)
φ4.5mm × 130mm



G5016N Punch forceps 45° (Left)
φ4.5mm × 130mm



G5046AN Punch forceps 90° (Right)
φ4.5mm × 130mm



G5016AN Punch forceps 90° (Left)
φ4.5mm × 130mm



G5004N Joint pliers forceps
φ4.5mm × 130mm



Unilateral Biportal Endoscopy UBE



ORTHOPEDICS

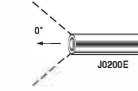
Product features

- Endoscope adopts imported stainless steel material
- Endoscope adopts German optic glass, light fiber and light cone
- Adopt the patented technology of rod optical lens, clear field of view
- With direction index, sapphire lens cover never abrasion
- The autoclavable endoscope can be chosen
- The operation instruments adopt imported stainless steel material, no coating, good anti-corrosion function
- Stainless steel valve, easy for maintenance, avoid damaging

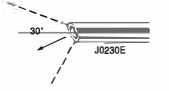


• Endoscope

J0200G 0° Endoscope
φ4mm × 175mm



J0230G 30° Endoscope
φ4mm × 175mm



• Nerve hook-probe

Y5604W Nerve hook-probe
4mm × 108mm

Y5610WZ Nerve hook-probe
8mm × 108mm, left

Y5610WY Nerve hook-probe
8mm × 108mm, right

Y5608W Nerve hook-probe
8mm × 108mm



• Suction tube, Dilator

Y4403WA Suction tube
φ3mm

Y4403WB Suction tube
φ3mm



Y5627W2 Dilator
φ7mm × 200mm



• Bone curette

Y5913WF Bone curette
3mm straight

Y5913W Bone curette
3mm curved

Y5913WZ Bone curette
5mm bar curved



• Bone chisel

Y5405WA1 Bone chisel
5mm straight

Y5405WZ Bone chisel
5mm left curved

Y5405WS Bone chisel
5mm triangle

Y5405WB1 Bone chisel
5mm curved

Y5405WY Bone chisel
5mm right curved



• Retractor Sheets, Spring retractor sheets

Y5615W1 Retractor sheets
50mm

Y5615W2 Retractor sheets
60mm

Y5615W3 Retractor sheets
70mm

Y5615W4 Retractor sheets
80mm



Y5615W2A Spring retractor sheets
Depth 60mm

Y5615W3A Spring retractor sheets
Depth 70mm

Y5615W4A Spring retractor sheets
Depth 80mm



• Dilator



Y5625W1 Dilator
φ5mm × 200mm

Y5631W Dilator
φ11mm × 155mm

Y5627W1 Dilator
φ7mm × 185mm

Y5633W Dilator
φ13mm × 140mm

Y5629W Dilator
φ9mm × 170mm

Y5635W Dilator
φ15mm × 125mm

• Hammer, Round nerve stripper, Probe

Y5936W Hammer
φ25mm



Y5931W Probe
125mm



Y5940W Muscle stripper
125mm



• Nerve Stripper



Y5944W Nerve stripper
3mm Double head straight/bend

Y5946WA Nerve stripper
6mm straight

Y5946WB Nerve stripper
6mm little curved

Y5945W Nerve stripper
5mm Double head straight/bend

Y5946WB1 Nerve stripper
6mm curved

• Intervertebral disc reamer, Curved funnel, Graft rod, Cage adjusting rod

Y5908W Curved funnel
φ8mm × 165mm



Y5410W Intervertebral disc reamer
φ8mm × 200mm



Y5906W Graft rod
φ6.8mm × 167mm

Y5806W Cage adjusting rod
φ6mm × 170mm



• Rongeur, Rotating Detachable Kerrison Rongeurs

Y5014QW1A Detachable Rongeur rod
1mm × 170mm

Y5015QW2 Rongeur(straight)
2mm × 220mm

Y5014QW2A Detachable Rongeur rod
2mm × 170mm

Y5015QW3 Rongeur(straight)
3mm × 220mm

Y5014QW3 Detachable Rongeur rod
3mm × 170mm

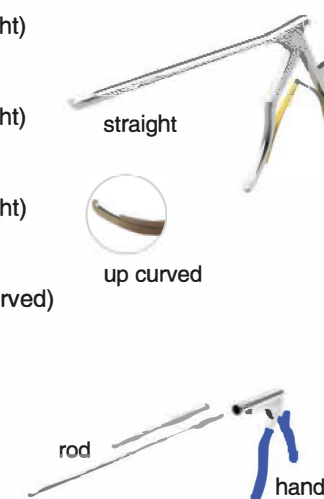
Y5015QW4 Rongeur(straight)
4mm × 220mm

Y5014QW4 Detachable Rongeur rod
4mm × 170mm

Y5016QW Rongeur(up curved)
2mm × 200mm

Y5014QW5 Detachable Rongeur rod
5mm × 170mm

Y5014QW Detachable Rongeur Handle



• Nucleus pulposus forceps

Y5005QW Nucleus pulposus forceps(straight)
1.6mm × 175mm

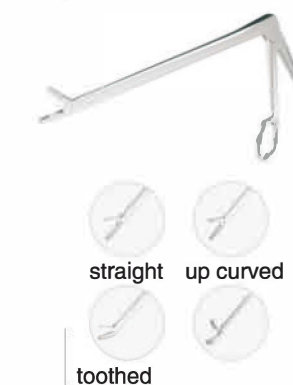
Y5112QW Nucleus pulposus forceps(straight)
2mm × 145mm

Y5021QW Nucleus pulposus forceps(up curved)
1.6mm × 175mm

Y5122QW Nucleus pulposus forceps(up curved)
2mm × 145mm

Y5031QW Nucleus pulposus forceps(toothed)
1.6mm × 175mm

Y5001QW Nucleus pulposus forceps(toothed)
2mm × 145mm



• Nucleus pulposus forceps with rongeur handle

Y5004W Nucleus pulposus forceps with rongeur handle(toothed, straight)
3.0mm × 200mm

Y5003W Nucleus pulposus forceps with rongeur handle(toothed, up curved)
3.0mm × 200mm



• Accessories

U8724 Light cable
φ4mm × 2m
φ4mm × 3m



U9910EB Disinfection box
293mm × 84mm × 42mm



1. Connecting to ESSE 3 fountain
Connecting to WOLF fountain

2. Connecting to STORZ fountain

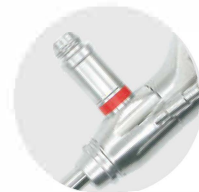
Endoscope disectomy system YZ-1



JY0730D2 30° ϕ 6.3mm \times 3.7mm \times 181mm
 JY0730F2 30° ϕ 6.9mm \times 4.3mm \times 181mm

Product features

- Endoscope adopts imported stainless steel material
- Endoscope adopts German optic glass, light fiber and light cone
- Adopt the patented technology of rod optical lens, clear field of view
- With direction index, sapphire lens cover never abrasion
- The autoclavable endoscope can be chosen
- The operation instruments adopt imported stainless steel material, no coating, good anti-corrosion function
- Adopt maintenance-free valve



• Cannula

Z5602A1	Cannula(one level) ϕ 2.5 \times 1.2 \times 230mm	Z5607A5	Cannula(five level) ϕ 7 \times 6.2 \times 150mm
Z5604A2	Cannula(two level) ϕ 4 \times 2.7 \times 195mm	Z5608A6	Cannula(six level) ϕ 8 \times 7.2 \times 135mm
Z5605A3	Cannula(three level) ϕ 5 \times 4.2 \times 180mm	Z5609A7	Cannula(seven level) ϕ 9 \times 8.2 \times 120mm
Z5606A4	Cannula(four level) ϕ 6 \times 5.2 \times 165mm		
Z5606B1	Dilator(tine) ϕ 6.0 \times 1.7 \times 230mm	Z5606D1	Dilator(double cavity) ϕ 6.4 \times 1.7 \times 230mm
Z5607B1	Dilator(tine) ϕ 7.0 \times 1.7 \times 230mm	Z5607D1	Dilator(double cavity) ϕ 7.0 \times 1.7 \times 230mm

• Sheath



Z4023D3DT	Sheath ϕ 7.5 \times 6.6 \times 170mm	Z4026G2DT	Sheath ϕ 8.5 \times 7.6 \times 150mm
Z4024F3DT	Sheath ϕ 8.0 \times 7.2 \times 170mm	Z4027F2FT	Sheath ϕ 9.0 \times 8.2 \times 150mm

• Trepine

Z6007B2T	Trepine ϕ 7.5 \times 6.6 \times 170mm
Z6008A2T	Trepine ϕ 8.0 \times 7.1 \times 170mm



• Bone curette, Puncture needle, Guide wire

Z5902A	Guide wire ϕ 0.8mm \times 450mm	Z4505A	Puncture needle ϕ 1.6mm \times 204mm
Z5921	Bone curette ϕ 2.5mm \times 330mm	Z4505C	Puncture needle ϕ 1.6mm \times 400mm



• Stripper, Hammer

Z5936 Hammer



Z5933A Stripper
φ2.5mm × 330mm



• Probe, Bone chisel

Z5907A Probe
φ2.5 × 330mm



Z5404 Bone chisel
φ2.5 × 330mm

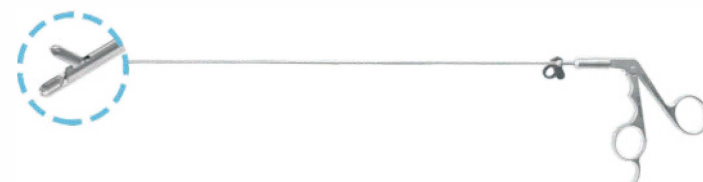


• Nucleus pulposus forceps, Spring forceps

Y5002D Nucleus pulposus forceps(straight)
φ2.7mm × 380mm

Z5012B1 Nucleus pulposus forceps(straight)
φ2.5mm × 330mm

Y5001A1B Nucleus pulposus forceps(straight)
φ3.3mm × 380mm



Y5002D2/Z5013B1B Nucleus pulposus forceps(up curved)
φ3.4mm × 380mm/ φ3.5mm × 330mm



Y5013/Z5042B1B Spring forceps
φ2.5mm × 380mm/ φ2.5mm × 330mm



• Cutting forceps

Y5031 Cutting forceps(straight)
φ2.7mm × 380mm

Z5022B1 Cutting forceps(straight)
φ2.5mm × 330mm



Y5031.1T Cutting forceps(up curved)
φ2.8mm × 360mm



• Rotating Detachable Rongeurs

Y5014QW3A Rotating Detachable Rongeurs
φ3.4 × 2.7 × 305mm



Y5014QW Handle for Detachable Rongeurs

• Accessories

U8724 Light cable
φ4mm × 2m
φ4mm × 3m



U9910ZK Disinfection box
480mm × 135mm × 70mm



1.Connecting to ESSE 3 fountain
Connecting to WOLF fountain
2.Connecting to STORZ fountain

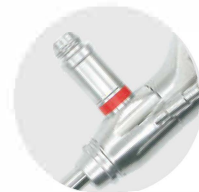
Endoscope Disectomy System YZ-1

(Big channel)



Product features

- Endoscope adopts imported stainless steel material
- Endoscope adopts German optic glass.light fiber and light cone
- Adopt the patented technology of rod optical lens,clear field of view
- With direction index,sapphire lens cover never abrasion
- The operation instruments adopt imported stainless steel material,no coating, good anti-corrosion function
- Stainless steel valve,easy for maintenance,avoid damaging



• Sheath,Trephine

Z4042H1D Sheath
 ϕ 14mm \times 120mm



Z4038H1D Sheath
 ϕ 12.5mm \times 11.5mm \times 195mm



Z6011B Trephine
 ϕ 11.2mm \times 10.2mm \times 115mm



• Guide wire,Puncture needle,Probe,Dilator

Z5902A Guide wire
 ϕ 0.8mm \times 450mm



Z4505A Puncture needle
 ϕ 1.6mm \times 204mm

Z4505C Puncture needle
 ϕ 1.6mm \times 400mm



Z5907A Probe
 ϕ 2.5mm \times 330mm

Z5606B1 Dilator
 ϕ 6.0mm \times 1.7mm \times 230mm

Z5610B2 Dilator
 ϕ 10mm \times 6.2mm \times 215mm



• Stripper,Bone chisel,Bone curette,Hammer

Z5933A Stripper
 ϕ 2.5mm \times 330mm



Z5404 Bone chisel
 ϕ 2.5mm \times 330mm



Z5921 Bone curette
 ϕ 2.5mm \times 330mm



Y5936 Hammer



• Nucleus pulposus forceps,Rotating Detachable Rongeurs,Handle for Detachable Rongeurs

Z5012B2 Nucleus pulposus forceps(straight)
 ϕ 2.5mm \times 260mm



Z5012B2C Nucleus pulposus forceps(straight)
 ϕ 2.5mm \times 260mm



Y5014QW5A Rotating Detachable Rongeurs
 ϕ 5.0mm \times 2.0mm \times 250mm

Y5014QW5C Rotating Detachable Rongeurs
 ϕ 5.0mm \times 5.0mm \times 250mm

Y5014QW5B Rotating Detachable Rongeurs
 ϕ 5.0mm \times 3.0mm \times 250mm

Y5014QW Handle for Detachable Rongeurs



• Accessories

U8724 Light cable
 ϕ 4mm \times 2m
 ϕ 4mm \times 3m



U9910ZK Disinfection box
480mm \times 135mm \times 70mm




- 1.Connecting to ESSE 3 fountain
Connecting to WOLF fountain
- 2.Connecting to STORZ fountain

• HD Camera System(With Screen)



HD Camera System
ESD-HD668P

- ◆ Type: SD-HD668P
- ◆ HD output:1920(H)x1080(V)
- ◆ Image sensor:2.86-inch ultra-low voice global exposure CMOS sensor
- ◆ Output signal: Dual HDMI、Dual DVI
- ◆ Sharpness:1080p
- ◆ Frame frequency:60FPS
- ◆ Minimal illumination:5Lx at F5.5
- ◆ Power source condition:AC 220V、50Hz
- ◆ Input power:35VA
- ◆ Optical connector size:Rigid endoscope connector: $\Phi 32 \pm 0.1\text{mm}$
- ◆ Working environment:Temperature $+10^{\circ}\text{C}\sim+40^{\circ}\text{C}$
Humidness 30%~75%
Barometric pressure 860hpa~1060hpa
- ◆ Security type:  Class I BF type application part

• Power system (used with laser shredding endoscope)



Computer powerful chipping device
Cutters head
(Outside diameter4.8mm,
Working length370mm)

- ◆ Speed adjustment range:200rpm/min~6000 rpm/min (forward and reverse)
200rpm/min~3000 rpm/min (round trip)
With stepless speed regulation function
- ◆ Flushing flow: The controller has flushing function
Maximum flow is 15ml/min (no-load)
Adjustable flow
- ◆ The maximum output torque of hand-held motor shall not be less than $36\text{mN} \cdot \text{M}$
- ◆ Working noise: < 65db
- ◆ Full LCD display, touch screen control
- ◆ Flushing linkage control: when the flush switch is on, press the foot switch to flush automatically, and release the foot switch to stop automatically
- ◆ Power source: 220V 50/60HZ
- ◆ Overall power $\leq 180\text{VA}$

• SD-LED Medical cold light source



Medical cold light source
ESD-LED

- ◆ Power source condition:220V、50Hz
- ◆ Input power:150VA
- ◆ Spectral properties:①Color rendering index: ≥ 90
②Color temperature:3000k~7000k
- ◆ Total luminous flux: $\geq 410\text{lm}$
- ◆ Output aperture: $10 \pm 0.050\text{mm}$
- ◆ Working noise: < 35dB
- ◆ Electrical safety should meet the GB9706.1-2007 standard

• Automatic high flow CO₂ insufflator



Automatic high flow CO₂ insufflator

- ◆ Gas flow and abdominal pressure are controlled by microcomputer technology automatically.
- ◆ Pulse gas supply can be adjusted by setted abdominal pressure and actual abdominal pressure value automatically according to advanced pulse gas supply principle.
- ◆ Gas cylinder pressure, the actual abdominal pressure and air flow are displayed by light beam.
- ◆ With the electrical safety protection system, when the pressure is too high,inflation needle is jammed or gas pressure is insufficient, audible and visual alarm will work.

ES-QG- II

Inlet pressure:0.28~0.6MPa
Setted abdominal pressure:5~25mmHg
Set flow:0~30L/min

• Perfusion pump for endoscope



Perfusion pump for endoscope
ES-QB-1

- ◆ The cavity speculum filling pupm QB-1 is an open pressure equipment.It is easy and convenient to clean the liquid in the operation.
- ◆ It takes stepping electrical motor.When the equipment drives.It is steady and makes low noise.
- ◆ Pressure and flow is controlled by computer automatically,when the power is over,the computer will cut off electric source automatically,and when the power recovers,the equipment will be in normal situation. Meanwhile,control equipment is safe and reliable.
- ◆ The range of pressure is 2- 53Kpa,the range of flow is 0.1-1L/min.The number is showed on the equipment,and it can adjust the number according to the need.
- ◆ Cavity speculum filing pump QB-1 has the ability of memory.When you open the equipment,it can show the power and flow stated last time.

• Uteri auto inflate and pressure



Uteri auto inflate and pressure
ES-U9522 DG-1

It is used for gynecology endoscope and operation.In order to make the field of view clear,uterus is inflated by gas pressure

- ◆ Power:220V $\pm 22\text{V}$ 50Hz $\pm 1\text{Hz}$
- ◆ Power rating 30W
- ◆ Power rang 1Kpa~30Kpa
- ◆ Adjusting step length 1Kpa
- ◆ Setting pressure 1~30Kpa
- ◆ Alarm pressure 30Kpa

• Computer powerful chipping device



Computer powerful chipping device
ES-BXQ-1

- ◆ Integrating planing power and negative pressure suction
- ◆ ϕ 4.2mm cutters, larger internal suction space, peak flow 28L/min
- ◆ Vacuum degree: - 88kPa
- ◆ Imported cutters, ultra-low vibration, effective protection of endoscope
- ◆ Simple operation, sensitive response, three-speed adjustable

• Peritoneum cleaner



Peritoneum cleaner
ES-QXQ-1000J

Peritoneum Cleaner QXQ-1000J is used for irrigations and suction of organs in cavity under the laparoscopic surgery in order to make the field of view clear and clean the feculence prevent from pollution and adhesion after the operation

- ◆ The peritoneum cleaner is controlled by computer, adjusted the positive pressure and negative pressure according to the user's demands
- ◆ It can positive pressure irrigate and negative pressure suck, it can be matched single tube with double channels suction unit (D4403, D4403A) for irrigation and suction and exchange frequently.
- ◆ Washing pressure: 75 ± 5 KPa Suction pressure: ± 65 t 5KPa

• ESSE 27/24-inch full-HD surgical special monitor



ESSE Monitor

- ◆ Size: 27 inches(16:9)
- ◆ Contrast: 1000:1 Max Resolution: 3840x2160
- ◆ Viewing Angle: 178/178 Response Time: 8ms
- ◆ Appearance and structure: white metal shell with high strength, fast heat dissipation and anti-interference
- ◆ Power source: DC12V Installation standard: VESA 100x100mm
- ◆ Built-in curve: more than ten kinds of medical display curves
- ◆ Color: 1.07B Brightness: 800cd/m²
- ◆ Input Interface: DVI/HDMI2.0/VGA/DP/USB
- ◆ Size: 24 inches(16:10)
- ◆ Contrast: 1000:1 Max Resolution: 1920x1200
- ◆ Viewing Angle: 178/178 Response Time: 5ms
- ◆ Appearance and structure: white metal shell with high strength, fast heat dissipation and anti-interference
- ◆ Power source: External power supply 24V Installation standard: VESA 100x100mm
- ◆ Built-in curve: more than ten kinds of medical display curves
- ◆ Color: 1.07B Brightness: $650 \pm 10\%$ cd/m²
- ◆ Input Interface: DVI/VGA/VIDEO/S-VIDEO/YPBPR/HDMI/SDI (for choice)

• Endoscope image system



Endoscope image system
ES-NYX-1

- Convenient operation process, efficient and simple functions;
- ◆ High-resolution synchronous display of real-time dynamic images;
 - ◆ Digitally capture images to ensure that they are clear and realistic;
 - ◆ It has the function of real-time local clipping and blackout collection;
 - ◆ Large capacity and high quality dynamic video storage system;
 - ◆ The software supports calibration, measurement of length and area, and automatic placement of measured values;
 - ◆ Basic operations such as zooming in, zooming out, mirroring and rotating images are supported;
 - ◆ Support image brightness and contrast adjustment, text and region annotation and other functional processing;
 - ◆ The diagnostic report supports multiple modes and respects the working habits of doctors. You can click input, select input, fill in the blank, and text input;
 - ◆ There is no limit to the size of printing paper. You can choose to print paper so that it can be used with the hospital standard medical record folder.

Endoscope Imaging System

- ◆ CPU: high-end Acquisition card: high-definition imported chip
- ◆ Memory: 4G Display: 19.5-inch LCD
- ◆ Hard disk: 1T Printer: all-in-one machine
- ◆ Graphics card: integrated graphics card Trolley: medical trolley
- ◆ Output interface: 3-way output of S terminal interface and AV video interface



- ◆ Multi-department application mode is provided, including Thoracoscope, Fiber-optic, Hysteroscope, Cystoscope, ENT and Laparoscope, etc
- ◆ 7-inch LCD screen, real-time image display
- ◆ High waterproof camera, which can be soaked and disinfected
- ◆ Menu memory function, can switch different endoscope modes
- ◆ The main machine has fiber-optic mode, which can be connected to the fiber mirror for use
- ◆ With image freezing, 4-level image magnification, image horizontal and vertical mirroring functions
- ◆ The camera handle has three function keys, brightness increase, brightness decrease and image freeze (This key can also be set as white balance function in the menu)
- ◆ Power: AC 220V \pm 22V 50Hz \pm 1Hz
- ◆ Output power: 35VA
- ◆ Image pixels: 1920 (H) x 1080 (V) (2.073 million pixels)
- ◆ Scanning standard: 1125 lines, 60 frames
- ◆ Video output: dual HDMI, dual DVI
- ◆ Minimal illumination: 5Lx at F5.5
- ◆ ESD-HD668P Endoscope Image System
- ◆ ESD-LED Medical cold light source
- ◆ ES-QG-II Automatic high flow Co₂ insufflator
- ◆ ES-QB-1 Perfusion pump for endoscope
- ◆ Trolley
- ◆ ESSE Monitor

4K Medical Endoscope Camera System



Product features

- Color reproduction, closer to eye vision
The 4K medical endoscope camera system can reproduce the color , generally same as the original .
- Supporting high color reproduction
Clear display of organ tissue and nature color , improve the surgery safety .
- Large picture, large field of view
Immersive observation , help doctors focus on the surgery
- 4K HD laparoscope with Ultra HD Resolution
Display tiny blood vessels , tiny nerves and tissue levels accurately .
Images are more clear smooth
- With two electronic dyeing functions
The 4K medical endoscope camera system includes features such as vascular enhancement and special spectra.

• 4K 3 Chips camera system




4K 3 Chips camera system
ESD-4K-3P

- ◆ Power supply: 220V、50HZ
- ◆ Input power: 80VA
- ◆ Camera resolution: 3824x2160
- ◆ Image sensor: CMOS sensor
- ◆ Output video signal: HDMI 2.0 4K Ultra HD output

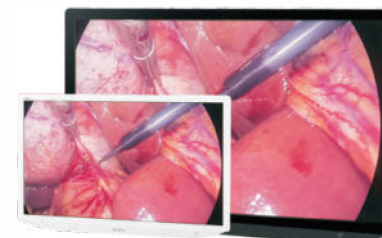
• Medical Endoscope LED cold light source



Medical Endoscope LED cold light source
ESD-LED100

- ◆ Supply voltage: 220V
- ◆ Input power: 125VA
- ◆ Power frequency: 50HZ
- ◆ Spectral properties: ①Color rendering index: ≥ 90
②Color temperature: 3000k~7000k
- ◆ Total luminous flux: $>550\text{lm}$
- ◆ Working environment: Temperature $+10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
Humidness 30%~75%
Barometric pressure 860hpa~1060hpa
- ◆ Security type:  I type BF type application part

• Medical monitor (High-quality SONY customized)32/55" monitor - extends surgical view



Medical monitor
LMD-X3200MC
LMD-X550MC

- ◆ Size: 32 inches
- ◆ Resolution(H*V): 3840x2160
- ◆ Aspect ratio: 16:9
- ◆ Backlight: LED
- ◆ Consume electricity: Approx. 163W (maximum)
- ◆ Weight: Approx. 11.8kg (SU-600MD optional bracket not assembled)
- ◆ Size: 55 inches
- ◆ Resolution(H*V): 3840x2160
- ◆ Aspect ratio: 16:9
- ◆ Backlight: LED
- ◆ Consume electricity: Approx. 290W (maximum)
- ◆ Weight: Approx. 27kg