

**ENDOSCOPES**

**APRIL - 2008**



**MEDICAL PRODUCTS**

**ENDOSCOPES**

Quality System Standard applied: **ISO 9001:2000**

**ISO 13485:2003**

**CE Certification 93/42/EEC**

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**The Company** is a professional manufacturer in endoscope field. The Company supplies medical, industrial and veterinary endoscopes with complete optical-electrical instruments and operating instruments.

With over 20 years experienced designers and technicians, The Company takes advantages of develop and design endoscopes with high quality and providing products with unique appearance design. The Company endoscopes are made from medical grade stainless steel, and manufactured by advanced Germany technologies with the properties of high brightness, large eyeshot as well as little aberrance & image discrepancy. The Company endoscopes are available in various specifications, such as outer diameter from 2.7mm to 10mm, working length from 54 mm to 374 mm, direction of view 0, 12, 30, 70, 90 degree etc. The products adopted international standard adaptor, it could be easily connected with most of the famous endoscopes.

The Company received the ISO9001: 2000, ISO13485: 2003, CE certificate from Germany TUV Rheinland Product Safety GmbH. The company has been strictly following the ISO9001 quality assurance system, the goal of The Company is to meet the customer's needs. The Company dedicates themselves to the products innovation, good quality, best service and unique supply. The Company produces all optic lenses by themselves; include objective (prism), rod lens, eyepiece, etc. The Company has the ability to manufacture custom-made optic lens and produce unique mechanical parts (include the body of endoscopes) according to the specifications of clients.

#### Warranty:

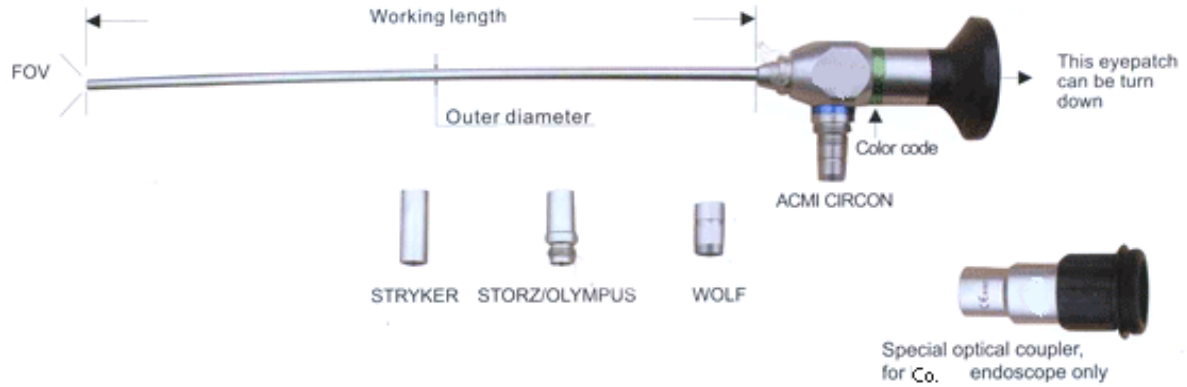
All products are tested and inspected to be ensured that the products are of the high quality as directed by The Company Quality Assurance System before being shipped to our customers. The Company products are manufactured according to CE (EC Directive 93/42/EEC) Certification and other international standards. The Company provides 3 months free exchange guarantee period and 18 months free repair guarantee under the condition of keeping the endoscope in normal use, operating in accordance with the operation manual, and having no self-alterations to the products in any way from the date of purchasing. The Company also guarantee the supply of spare parts in life.

#### After service

The Company promises to carry out the repairs as soon as possible in accordance with the detailed defect information supplied by you. All repairs in The Company workshop or repair centre in overseas are quickly and precisely dealt with. The repair centre can repair all kinds of endoscopes and instruments, please contact us if there is any requirement.

**SPECIFICATION**

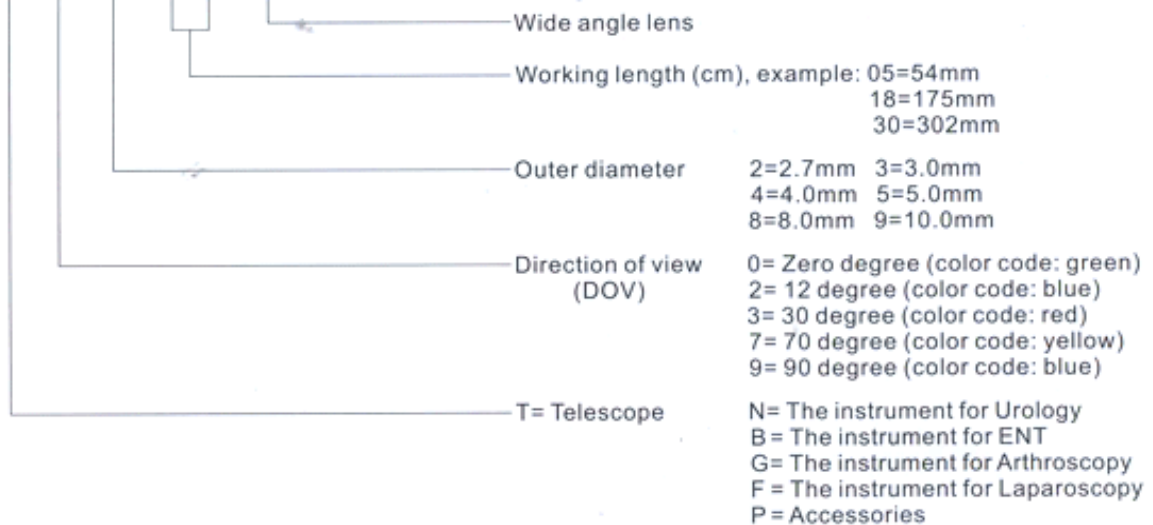
**SPECIFICATION**



Outer diameter (Stainless steel tube)	2.7 and 3mm	4 and 5mm	10mm Laparoscope	8 and 10mm Laryngoscope
Outer diameter (Optic lens)	1.91mm	2.78mm	6.58mm	4.17mm
FOV (Field of view)	>62 degree	>70 degree	>70 degree	>50 degree
DOF (Depth of Field)	3-20mm	4-50mm	4-100mm	4-50mm
Magnification(Multiple)	>4X	>4X	>1X	>1X
Resolution (lp/mm)	>20.1	>28.1	>9.83	>8.34
Luminance (Lux)	>2500	>5500	>6000	>6000
Testing condition	Object distance is 4mm		Object distance is 20mm	

**Code means**

T 0 4 1 8 A

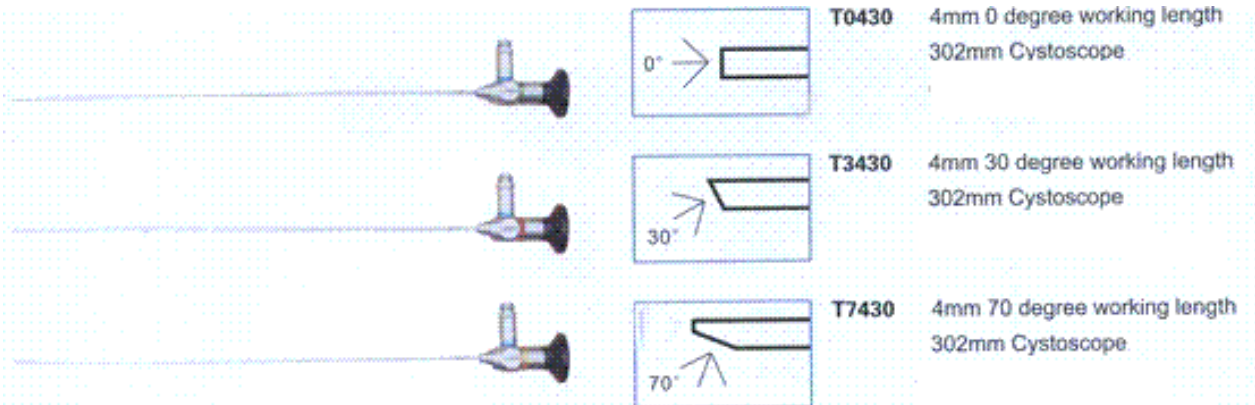




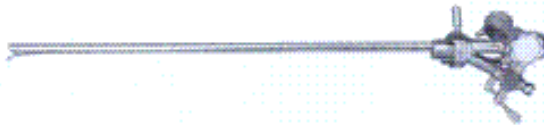
## RIGID ENDOSCOPE LIST

No	Code	Name of commodity	Outer diameter	Direction of view	Working length	Field of view
1	T0205	Otoscope	2.7mm	0 degree	54mm	>62 degree
2	T3205	Otoscope	2.7mm	30 degree	54mm	
3	T0211	Otoscope for tympanum	2.7mm	0 degree	108mm	
4	T3211	Otoscope for tympanum	2.7mm	30 degree	108mm	
5	T0217	Arthroscope	2.7mm	0 degree	165mm	
6	T3217	Arthroscope	2.7mm	30 degree	165mm	
7	T0218	Sinoscope	2.7mm	0 degree	175mm	
8	T3218	Sinoscope	2.7mm	30 degree	175mm	
9	T0219	Cystoscope	2.7mm	0 degree	188mm	
10	T3219	Cystoscope	2.7mm	30 degree	188mm	
11	T0220	Intervertebral endoscope	2.7mm	0 degree	196mm	
12	T3220	Intervertebral endoscope	2.7mm	30 degree	196mm	
13	T0328	Ventriculoscope	3.0mm	0 degree	283mm	>62 degree
14	T3328	Ventriculoscope	3.0mm	30 degree	283mm	
15	T0333	Laparoscope	3.0mm	0 degree	330mm	
16	T3333	Laparoscope	3.0mm	30 degree	330mm	
17	T0334	Bronchoscope	3.0mm	0 degree	336mm	
18	T0405	Otoscope	4.0mm	0 degree	54mm	>70 degree
19	T3405	Otoscope	4.0mm	30 degree	54mm	
20	T0417	Arthroscope	4.0mm	0 degree	165mm	
21	T3417	Arthroscope	4.0mm	30 degree	165mm	
22	T7417	Arthroscope	4.0mm	70 degree	165mm	
23	T0417A	Arthroscope, wide angle	4.0mm	0 degree	165mm	>90 degree
24	T3417A	Arthroscope, wide angle	4.0mm	30 degree	165mm	
25	T7417A	Arthroscope, wide angle	4.0mm	70 degree	165mm	
26	T0418	Sinoscope	4.0mm	0 degree	175mm	>70 degree
27	T3418	Sinoscope	4.0mm	30 degree	175mm	
28	T7418	Sinoscope	4.0mm	70 degree	175mm	
29	T0418A	Sinoscope, wide angle	4.0mm	0 degree	175mm	>90 degree
30	T3418A	Sinoscope, wide angle	4.0mm	30 degree	175mm	
31	T7418A	Sinoscope, wide angle	4.0mm	70 degree	175mm	
32	T0430	Cystoscope	4.0mm	0 degree	302mm	>70 degree
33	T2430	Cystoscope	4.0mm	12 degree	302mm	
34	T3430	Cystoscope	4.0mm	30 degree	302mm	
35	T7430	Cystoscope	4.0mm	70 degree	302mm	
36	T3430L	Cystoscope	4.0mm	30 degree	374mm	
37	T0533	Laparoscope	5.0mm	0 degree	310mm	>70 degree
38	T3533	Laparoscope	5.0mm	30 degree	310mm	
39	T7619	Laryngoscope	6.0mm	70 degree	187mm	>50 degree
40	T9619	Laryngoscope	6.0mm	90 degree	187mm	
41	T7819	Laryngoscope	8.0mm	70 degree	187mm	>50 degree
42	T9819	Laryngoscope	8.0mm	90 degree	187mm	
43	T7919	Laryngoscope	10.0mm	70 degree	187mm	>50 degree
44	T9919	Laryngoscope	10.0mm	90 degree	187mm	
45	T0933	Laparoscope	10.0mm	0 degree	330mm	>70 degree
46	T3933	Laparoscope	10.0mm	30 degree	330mm	

**CYSTO-URETHROSCOPE**



**N3016** 16Fr sheath with obturator



**N3019** 18.5Fr sheath with obturator



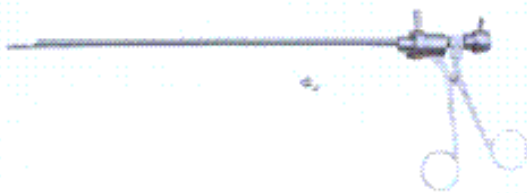
**N2100** Endoscope bridge



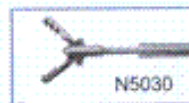
**N2110** Endoscope bridge, with one channel



**N2120** Endoscope bridge, with two channels



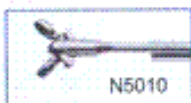
**N5010-N5060** Optical forceps for cystoscope



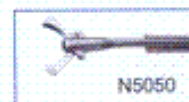
**N5030** Foreign body optical forceps



**N5040** Biopsy optical forceps, cutting action



**N5010** Biopsy optical forceps



**N5050** Optical scissors "wuppertal"

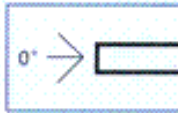


**N5020** Biopsy optical forceps, spoon angled 90 degree, downwards

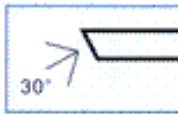


**N5060** Biopsy optical forceps, straight

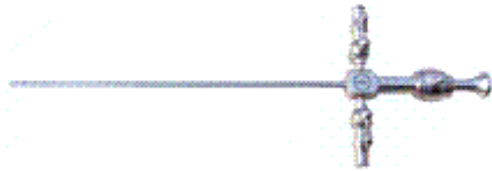
**PAEDIATRIC CYSTOSCOPE**



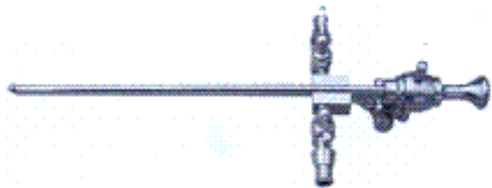
**T0219** 2.7mm 0 degree working length  
188mm Cystoscope



**T3219** 2.7mm 30 degree working length  
188mm Cystoscope



**N3009** 9Fr sheath with obturator



**N3011** 11Fr sheath with obturator



**N2020** Direction guide

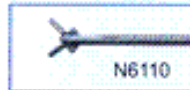


**N2170** Endoscope bridge

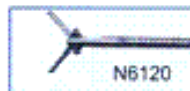


**N6110-N6120** Use for pediatric cystoscope

Outer diameter: 1.6mm  
Working length: 280mm



**N6110** 4.5Fr Flexible biopsy forceps



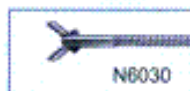
**N6120** 4.5Fr Flexible foreign body forceps



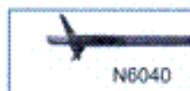
**N6010** 7Fr Flexible biopsy forceps



**N6020** 7Fr Flexible foreign body forceps



**N6030** 7Fr Flexible grasping forceps



**N6040** 7Fr Flexible scissors

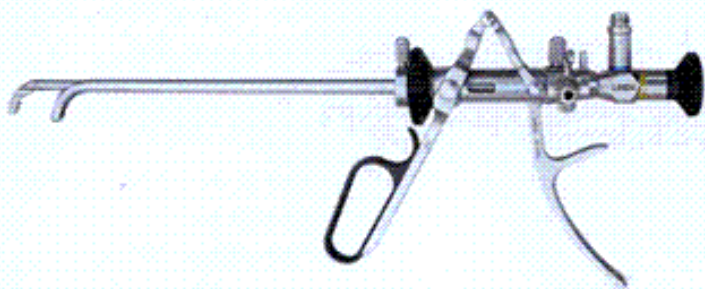


**N6010-N6040** Use for adult cystoscope

Outer diameter: 2.3mm  
Working length: 400mm



# LITHOTRIPTOSCOPE

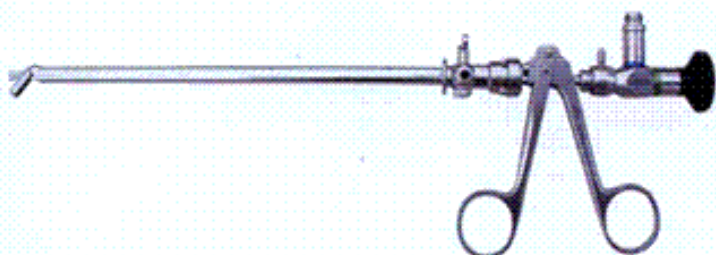


**N1010** Lithotrite, use with T7430



**N3025** 25Fr sheath with obturator  
use with N1020 only

**N1020** Lithoclast, use with T3430



**N1030** Stone crushing forceps,  
use with N3024 and T0430



**P2010** Evacuator (Ellik)



**P3010** Luer-lock connector, with stopcock



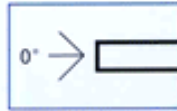
**P3020** Luer-lock connector



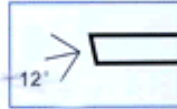
**N8000** Cleaning staff



# URETHROTOME



**T0430** 4mm 0 degree working length  
302mm Cystoscope



**T2430** 4mm 12 degree working length  
302mm Cystoscope



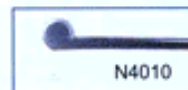
**N3410** 21Fr sheath with obturator



**N3420** Supplementary sheath



**N2310** Working element, passive



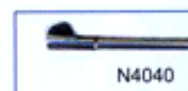
**N4010** Cold knife, half-round



**N4020** Cold knife, lancet



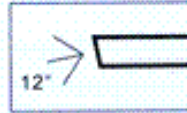
**N4030** Cold knife, hook-shaped



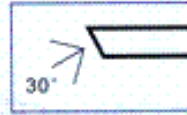
**N4040** Cold knife, hollow structure  
half-round



## RESECTOSCOPE



**T2430** 4mm 12 degree working length  
302mm Cystoscope



**T3430** 4mm 30 degree working length  
302mm Cystoscope



**N3226** 26Fr Outer sheath

**N3326** Outer sheath obturator, movable



**N3224** 24Fr Inner sheath, rotatable

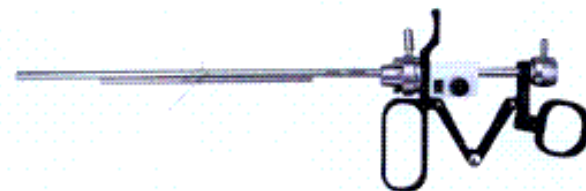
**N3324** Inner sheath obturator, movable



**N3200** Inner sheath connector



**N2210** Working element, passive



**N2220** Working element, active



**N3310** Visual obturator

**N3320** Examination bridge

**N3330** Deflecting bridge, with one  
working channel

## RESECTOSCOPE, DILATOR

**N4110-N4230** Matchable with new Storz mode

**N4110(OS)** Cutting loop, old Storz mode, two limbs  
Storz code: 27040 SG 24CH

**N4110(W)** Cutting loop, Wolf mode  
Wolf code: 8422.351 22Charr

**N4110(OL)** Cutting loop, Olympus mode  
Olympus code: A2183 (24)



**N4110** Cutting loop



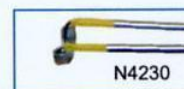
**N4120** Coagulating electrode pointed



**N4130** Coagulating electrode



**N4210** Spike electrode



**N4220** Roller electrode



**N4230** Vapor cutting electrode



**P3030** Adapter, connect outer sheath to Evacuator



**P3040** Adapter, connect inner sheath to Evacuator



**P3050** Electrical cable, connect working element to H.F. electrotome, with universal adapter



**P2120** 220V/50Hz High frequency electrotome  
cut: 400W, coagulating: 150W (Max)



**N8200** 22Fr Bladder puncture trocar



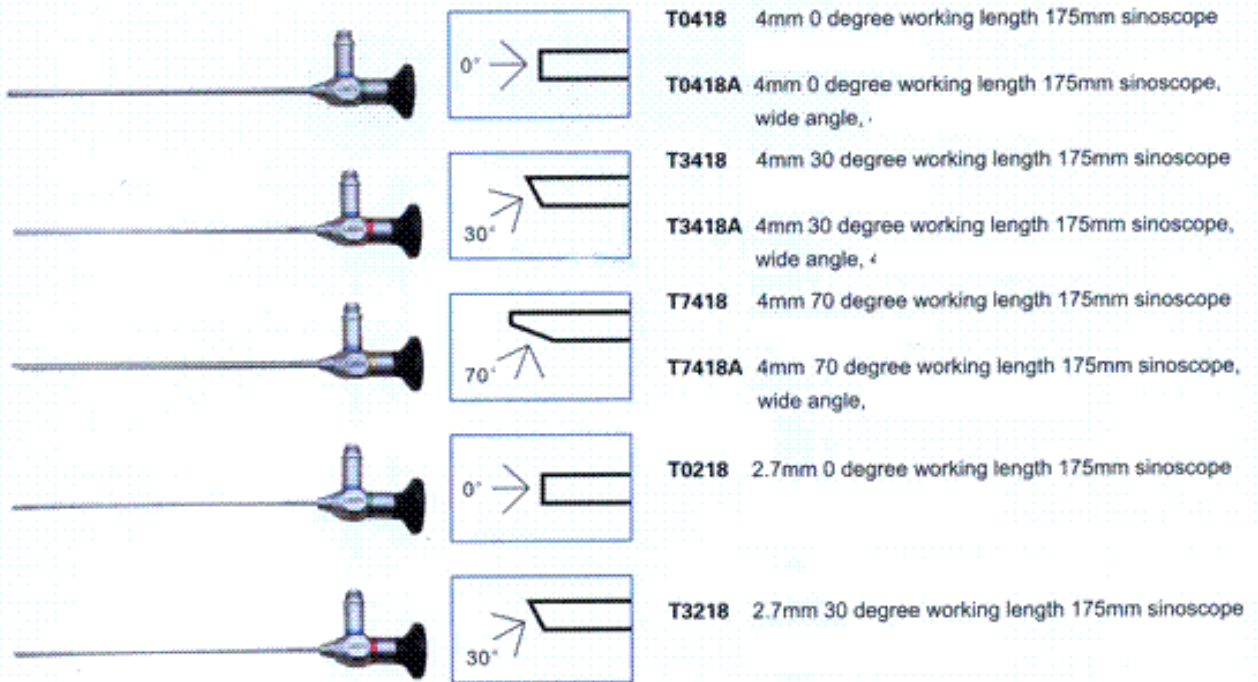
**N7010** Adjustable dilator, 17Fr-30Fr adjustable, stepless



**N7020** Adjustable dilating urethrotome, 18Fr-38Fr adjustable, stepless, with two knives



**SINOSCOPE, SINOSCOPY INSTRUMENTS**



**B3210** Sinoscope handle, round

**B3220** Sinoscope handle, flat



**B3010** Cannula, shaped beak

**B3020** Cannula, oblique beak

**B3030** Trocar

**B4010** Sickle knife, pointed

**B4020** Sickle knife, blunt

**B4110** Antrum curette, forward

**B4120** Antrum curette, backward

**B4140** Detacher, double head

**B3110** Suction tube, straight (Large)

**B3120** Suction tube, straight (Small)

**B3130** Suction tube, curved (Large)

**B3140** Suction tube, curved (Small)



**SINOSCOPY INSTRUMENTS**



**B1010** Alligator biopsy forceps



**B1110** Scissors, straight



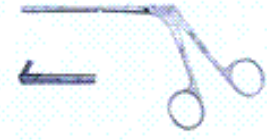
**B1120** Scissors, left curved



**B1130** Scissors, right curved



**B1210** Rongeur, forward



**B1220** Rongeur, backward



**B1310** Cutting forceps, straight



**B1320** Cutting forceps with a hole, straight



**B1330** 45 degree cutting forceps



**B1340** 90 degree cutting forceps



**B1370** 0 degree cutting forceps, with suction tube



**B1380** 45 degree cutting forceps, with suction tube



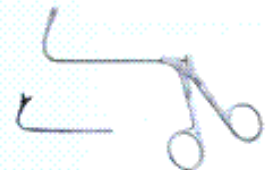
**B1410** 0 degree polyp forceps, vertical opening



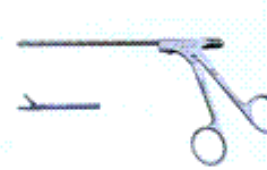
**B1430** 70 degree polyp forceps, vertical opening



**B1440** 70 degree polyp forceps, horizontal opening



**B1450** 100 degree polyp forceps, vertical opening



**B1370A** 0 degree cutting forceps, with inside suction tube



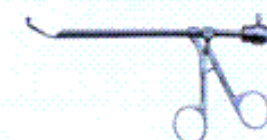
**B1380A** 45 degree cutting forceps, with inside suction tube



**B5010** 0 degree optical forceps



**B5020** 30 degree optical forceps



**B5030** 70 degree optical forceps

**OTOSCOPE, LARYNGOSCOPE, BRONCHOSCOPE, ESOPHAGOSCOPE**



**T0205** 2.7mm 0 degree working length 54mm otoscope



**T0405** 4mm 0 degree working length 54mm otoscope



**T3205** 2.7mm 30 degree working length 54mm otoscope



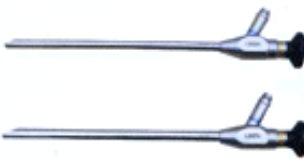
**T3405** 4mm 30 degree working length 54mm otoscope



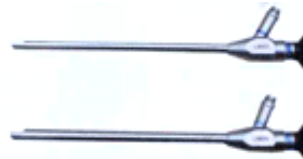
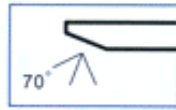
**T0211** 2.7mm 0 degree working length 108mm otoscope for tympanum



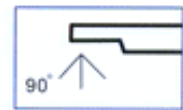
**T3211** 2.7mm 30 degree working length 108mm otoscope for tympanum



**T7819** 8mm 70 degree working length 187mm laryngoscope



**T9819** 8mm 90 degree working length 187mm laryngoscope



**T7919** 10mm 70 degree working length 187mm laryngoscope

**T9919** 10mm 90 degree working length 187mm laryngoscope



**E3010** Operating laryngoscope (Large)

**E3020** Operating laryngoscope (Small)

**E3110** Holder for above laryngoscope



**Q2110** 9×13×180mm Esophagoscope tube

**Q2120** 9×13×250mm Esophagoscope tube

**Q2130** 10×16×350mm Esophagoscope tube

**Q2140** 11×15×300mm Esophagoscope tube

**Q2150** 12×18×400mm Esophagoscope tube

**Q2160** 13×17×380mm Esophagoscope tube



**T0334** 3mm 0 degree working length 336mm Bronchoscope



**Q2010** 4.0×250mm Fiberoptic sheath

**Q2020** 4.5×250mm Fiberoptic sheath

**Q2030** 5.0×260mm Fiberoptic sheath

**Q2040** 5.5×280mm Fiberoptic sheath

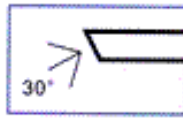
**Q2050** 6.0×280mm Fiberoptic sheath



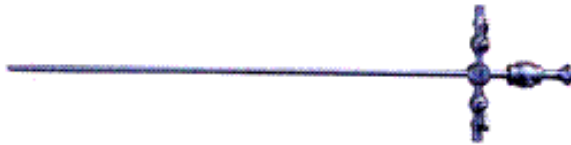
**Q5010** Peanut biopsy optical forceps

**Q5020** Alligator biopsy optical forceps

**HYSTEROSCOPE, HYSTERO-ELECTROTOME**



**T3430** 4mm 30 degree working length 302mm Hysteroscope



**W3015** 15Fr sheath with obturator



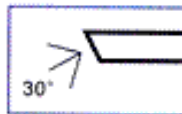
**W3024** 24Fr sheath with obturator



**W2010** Direction guide



**P2410** 220V/50Hz Uteromat



**T3328** 3mm 30 degree working length 283mm Hysteroscope



**W3200** Inner sheath connector


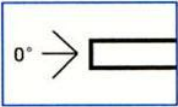

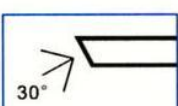



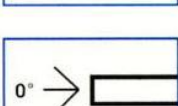



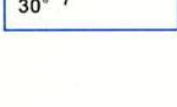


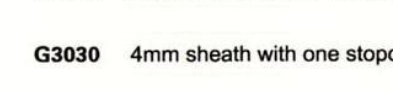

**W3212** 12Fr Inner sheath with obturator

**W3215** 15Fr Outer sheath, rotatable



**GDQ-1** Hystero-Electrotome

**ARTHROSCOPE, ARTHROSCOPY INSTRUMENTS**

		<b>T0417</b> 4mm 0 degree working length 165mm Arthroscope
		<b>T0417A</b> 4mm 0 degree working length 165mm Arthroscope, wide angle
		<b>T3417</b> 4mm 30 degree working length 165mm Arthroscope
		<b>T3417A</b> 4mm 30 degree working length 165mm Arthroscope, wide angle
		<b>T7417</b> 4mm 70 degree working length 165mm Arthroscope
		<b>T7417A</b> 4mm 70 degree working length 165mm Arthroscope, wide angle
		<b>T0217</b> 2.7mm 0 degree working length 165mm Arthroscope
		<b>T3217</b> 2.7mm 30 degree working length 165mm Arthroscope

**G3010** 2.7mm sheath with one stopcock

**G3030** 4mm sheath with one stopcock

**G3110** 2.7mm protective obturator, blunt

**G3130** 4mm protective obturator, blunt

**G3020** 2.7mm sheath with two stopcocks, rotatable

**G3040** 4mm sheath with two stopcocks, rotatable

**G3120** 2.7mm protective obturator, sharp

**G3140** 4mm protective obturator, sharp

**G3210** Trocar sleeve

**G3220** Obturator without stopcock, blunt

**G3230** Obturator without stopcock, sharp

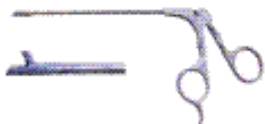
**G3310** Sheath sleeve

**G3320** Obturator with stopcock, sharp





**ARTHROSCOPY INSTRUMENTS**



**G1010** 1.7mm cutting forceps, straight



**G1020** 1.7mm cutting forceps, left curved



**G1030** 1.7mm cutting forceps, right curved



**G1140** 45 degree cutting forceps



**G1210** Hook scissors, straight



**G1220** Hook scissors, left curved



**G1230** Hook scissors, right curved



**G1320** Biopsy forceps, with spike



**G1410** Foreign body forceps, with ratchet



**G1420** Meniscus grasping forceps, with ratchet



**G1110** Cutting forceps, jaws straight left



**G1120** Cutting forceps, jaws straight right



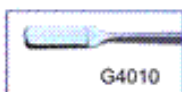
**G1130** Cutting forceps, downward curved



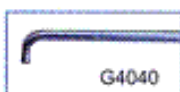
**G1310** Biopsy forceps, straight



**G4000** Handle



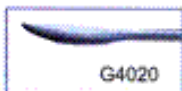
**G4010** Flat knife



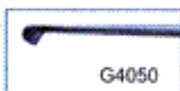
**G4040** Probe



**G4070** Meniscus cutting knife



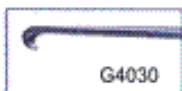
**G4020** Sickie shaped knife



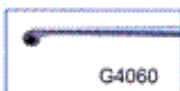
**G4050** Retrograde knife



**G4080** Curette



**G4030** Hook knife

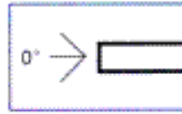


**G4060** Rosette knife

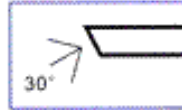


**G4090** Rasp

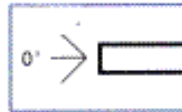
LAPAROSCOPE, LAPAROSCOPY INSTRUMENTS



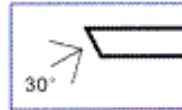
**T0533** 5mm 0 degree working length 310mm  
Laparoscope



**T3533** 5mm 30 degree working length 310mm  
Laparoscope



**T0933** 10mm 0 degree working length 330mm  
Laparoscope



**T3933** 10mm 30 degree working length 330mm  
Laparoscope



**F3005** 5.5mm Trocar sleeve and trocar



**F3010** 10.5mm Trocar sleeve and trocar



**F3015** 5.5mm Protective trocar sleeve and trocar



**F3020** 10.5mm Protective trocar sleeve and trocar



**F3105** 10mm to 5mm Reducer sleeve



**F4010** 2 × 100mm Veress needle

**F4012** 2 × 120mm Veress needle



**F4110** 5mm Suction and irrigation tube,  
two ways



**F4210** 5mm Spatula-electrode



**F4220** 5mm Hook-electrode



**F4230** 5mm Ballpoint-electrode



**F4240** 5mm Hook-electrode, curved



**F4410** 5mm Knot-pusher

## LAPAROSCOPY INSTRUMENTS

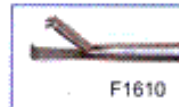


**F1500** 10mm Clip applicator, double action jaw

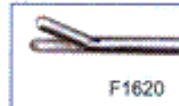
**F1510** 10mm Clip applicator, single action jaw

**F1520** 5mm Clip applicator, double action jaw

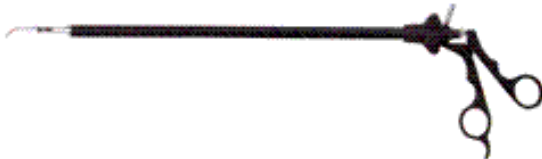
Titanium clips, size: large, medium, small, 6pcs in a cartridge (small seal plastic packing), 20pcs cartridge in a big paper packing, disinfect by epoxy ethane



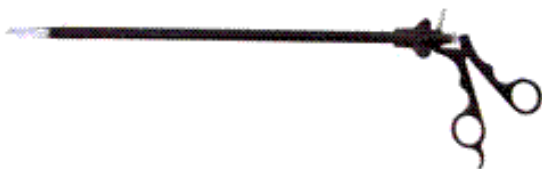
**F1610** 10mm Claw grasping forceps, single action



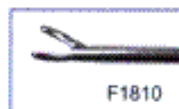
**F1620** 10mm Biopsy forceps



**F1630** 10mm Dissecting forceps, curved



**F1640** 10mm Scissors, single action



**F1810** 5mm Needle-holder forceps



**F1820** 5mm Knot forceps

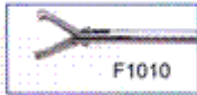


**F1830** 5mm Fan-shaped forceps, with ratchet



**F1710** 5mm U-shaped atraumatic grasping forceps

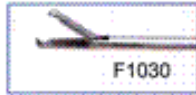
**F1720** 5mm U-shaped grasping forceps



**F1010**



**F1020**



**F1030**



**F1040**



**F1050**



**F1060**



**F1070**

**F1010** 5mm Claw grasping forceps, single action, with ratchet

**F1050** 5mm Grasping forceps, with hole, with ratchet

**F1020** 5mm Tissue grasping forceps, with ratchet

**F1060** 5mm Alligator grasping forceps, with ratchet

**F1030** 5mm Rat-teeth grasping forceps, with ratchet

**F1070** 5mm Babcock grasping forceps

**F1040** 5mm Atraumatic grasping forceps, with ratchet



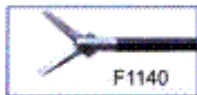
**F1110**



**F1120**



**F1130**



**F1140**



**F1210**



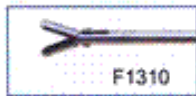
**F1220**



**F1230**



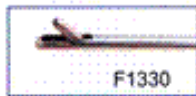
**F1240**



**F1310**



**F1320**



**F1330**

**F1110** 5mm Scissors, single action, straight

**F1230** 5mm Dissecting forceps, curved (Maryland)

**F1120** 5mm Hook scissors, single action, curved

**F1240** 5mm Dissecting forceps, 90 degree

**F1130** 5mm Scissors, double action, curved

**F1310** 5mm Biopsy forceps

**F1140** 5mm Scissors, double action, straight

**F1320** 5mm Biopsy forceps, with spike

**F1210** 5mm Dissecting forceps, with thin teeth

**F1330** 5mm Biopsy punch forceps

**F1220** 5mm Grasping forceps, with straight teeth



**P2200** 16L Automatic CO<sub>2</sub> insufflator

**P2210** 30L Automatic CO<sub>2</sub> insufflator

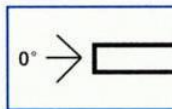


**P2510** Suction and irrigation pump

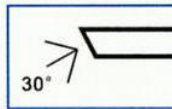
Note: We can supply 3mm mini Laparoscopy instruments for pediatric laparoscopy and small animal laparoscopy, includes 3mm trocar sleeve and trocar, 3mm operating forceps. Also we have 3mm Laparoscope for above instruments.



VENTRICULOSCOPE



**T0328** 3mm 0 degree working length 283mm Ventriculoscope



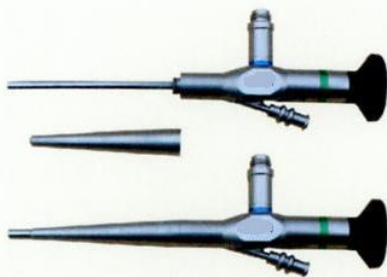
**T3328** 3mm 30 degree working length 283mm Ventriculoscope



**S3010** 6.2mm sheath with 4pcs obturator



**S4010** Flexible support arm



**VO-1** Veterinary otoscope, integrative with one working channel develop with Dr. Vladimir Khubiryants, Canada veterinarian

Dimensions  
 Total length: 171mm  
 Working length: 75mm  
 Distal end diameter: 4.4mm  
 Working channel: 2.0mm (Luer fitting)



**VO-2** Veterinary otoscope, integrative with two working channels develop with Dr. Neal Neuman, America veterinarian

Dimensions  
 Total length: 171mm  
 Working length: 75mm  
 Distal end diameter: 5.0mm  
 Working channel: 1.9mm each (Luer fitting)

one channel for flexible forceps, the other for rigid laser tube



**VO-3** Veterinary otoscope, endoscope and sheath separate

1. Universal endoscope, 2.7mm 0 degree working length 108mm, use for the following sheath together
2. Veterinary otoscope sheath, with one 2.0mm working channel, distal end diameter: 5.5mm
3. Veterinary arthroscope sheath, rotatable, one or two stopcock, outer diameter 3.2mm, working length 74mm
4. Veterinary cystoscope sheath, 11Fr, with one working channel, use for 1.6mm flexible forceps, working length 90mm
5. N6110A or N6120A 1.6×210mm Flexible forceps

**VETERINARY ENDOSCOPE**



Veterinary otoscope, code: T0405 (4mm 0 degree length 54mm)

- OA-1** Otoscope adapter, with Welch Allyn mode speculum connect to plastic cones and otoscope
- OA-2** Otoscope adapter, connect to light guide of endoscope and light handle
- MH-1** Mini halogen lamp portable light handle, use with 2pcs AA battery
- MX-1** Mini 1.25W LED lamp portable light handle, use with 3pcs AAA battery

Special lengthen cystoscope and instruments for artificial insemination of big animals (bitch)

- T3430L** 4mm 30 degree working length 374mm Cystoscope, .
- N3021L** 21Fr working length 300mm sheath and obturator,
- N2110** Endoscope bridge, with one working channel, .
- N3021LL** 21Fr working length 336mm sheath, without the obturator, connect to T3430L directly
- N6010-40** 2.3×400mm Flexible forceps, .

Special cystoscope sheath (custom-made), for working length 108mm, 145mm, 155mm, 165mm, 175mm, 180mm, 188mm, compatible with Storz brand endoscope.

- N3009** 9Fr sheath with obturator,
- N3011** 11Fr sheath with obturator, with one working channel, .

Special arthroscope sheath (custom-made), for working length 108mm,145mm,155mm,165mm,175mm, compatible with Storz or Stryker brand endoscope.

- G3010** 2.7mm sheath with one stopcock,
- G3020A** 2.7mm sheath with one stopcock, rotatable,
- G3020** 2.7mm sheath with two stopcocks, rotatable,
- G3030** 4mm sheath with one stopcock,
- G3040A** 4mm sheath with one stopcock, rotatable, .
- G3040** 4mm sheath with two stopcocks, rotatable,

Note: We can produce special endoscope and instruments for veterinary what customer need.

Rigid endoscope uses in the veterinary field include:

**Cystoscopy / Urethroscopy**

1. Incontinence,
2. Trauma,
3. Stranguria, tenesmus,
4. Cystic and urethral calculi,
5. Other diagnostic functions,

**Arthroscopy :**

1. Joint pain, swelling,
2. Instability, lameness
3. Cruciate ligament evaluation,
4. Meniscectomy,
5. Soft tissue injuries,
6. Specific evaluations,

**Rhinocopy**

1. Nasal discharge, pain, obstruction or severe sneezing
2. Epistaxis,
3. Facial distortion

**Laparoscopy**

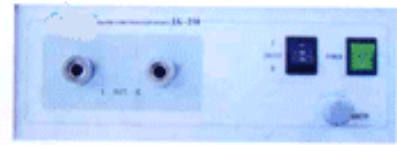
1. Liver, renal and pancreatic biopsies
2. Abdominal masses or trauma.
3. Adrenalectomy
4. Therapeutic response,
5. All related functions,

Please contact us by email, we can discuss your idea for produce special veterinary endoscope or instruments for you

**VIDEO & ILLUMINATION**



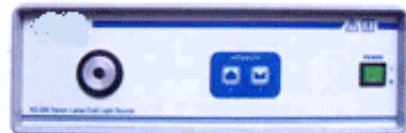
**LG-150** 150W two halogen lamp cold light source



**LG-250** 250W two halogen lamp cold light source



**LG-150-2** 150W one halogen lamp cold light source, with pump, use for fiberscope only



**XD-250** 250W xenon lamp cold light source



**XD-300** 350W xenon lamp cold light source



**XD-300-2** 350W xenon lamp and 250W halogen lamp integrative cold light source

Note: All model have 110V or 220V voltage, adapter is WOLF mode only, we supply adapter for connect Storz or Olympus brand light cable.



- Adapter for Storz cold light source
- Adapter for Wolf cold light source
- Adapter for Olympus cold light source
- Adapter for Storz / Olympus telescope
- Adapter for Wolf telescope

- P1418** 4 × 1800mm Fiberoptic light cable
- P1425** 4 × 2500mm Fiberoptic light cable
- P1430** 4 × 3000mm Fiberoptic light cable
- P1450** 4 × 5000mm Fiberoptic light cable
- P1518** 5 × 1800mm Fiberoptic light cable
- P1525** 5 × 2500mm Fiberoptic light cable
- P1530** 5 × 3000mm Fiberoptic light cable
- P1550** 5 × 5000mm Fiberoptic light cable

Note: Above model can connect with Storz / Wolf / Olympus brand cold light source, and Storz / Wolf / Olympus light guide of telescope.



**P3118-35** Adapter with Co rigid endoscope only, non water-proof, focus have 18/23/27/35mm



**P3218-35** Adapter with all kinds of rigid endoscope, water-proof, focus have 18/23/27/35mm



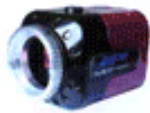
**P3323(N)** Adapter with integrated beamsplitter, focus is 23mm, you can choice water-proof or non water proof



**P3418-35** Directly adapter for Olympus fiberscope, non water-proof, focus have 18/23/27/35mm

**P3518-35** Adapter for Olympus fiberscope, with integrated beamsplitter, non water-proof, focus have 18/23/27/35mm

Special machine adapter, connect with fiberscope to rigid camera adapter



**P4010** Nikeo digital video camera, image device: 1/3 inch SONY CCD, C/CS Mount, resolution: 480 TV lines (horizontal), Made in Japan



**P4020** Panasonic GP-KS822 digital video camera, image device: 1/2 inch CCD, M15×0.5mm adapter, resolution: 480 TV lines (horizontal), Made in Japan



**P4120** Panasonic GP-US722 / 742 digital video camera, image device: 1/2, 1/4 inch 3CCD, C Mount / M16×0.5mm adapter, resolution: 800 TV lines (horizontal), Made in Japan



**P6000** Profession 15 inch color monitor, resolution: 500 lines

**P6010** Panasonic WV-CM1420 14 inch color monitor, resolution: 370 lines

**P6020** Sony PVM-14L1 14 inch color monitor, resolution: 600 lines

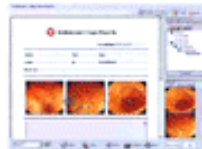
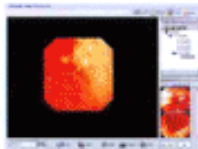
**P6030** Panasonic WV-CM1480 14 inch color monitor, resolution: 750 lines

**P6040** Sony PVM-14L4 14 inch color monitor, resolution: 800 lines

**P6050** Panasonic WV-CM1780 17 inch color monitor, resolution: 800 lines

**P6060** Sony PVM-20L1 20 inch color monitor, resolution: 600 lines

**P6070** Sony PVM-20L4 20 inch color monitor, resolution: 800 lines



**P6310** Endoscope image capture and processing software, use for desktop computer (Win XP)

**P6320** Endoscope image capture and processing software, use for notebook computer (Win XP)



**P9010** Mobile videocard, 5 floor



**P9020** Mobile videocard, 5 floor, with a drawer



**P9030** High-grade mobile videocard, 5 floor, with a drawer



**P9040** Mobile videocard, use for endoscopy workstation only



FLEXIBLE ENDOSCOPE



XS series Gastrointestinal fiberscope

**XS-30** 9.8×1350mm, water-proof,  
**AGF-40** 9.8×1350mm, water-proof, import image bundle

Specifications, :  
 Angle of view field: >95°,  
 Depth of view field: 3-100mm,  
 Range of tip bending: Up 180°, Down 90°, Left / Right 120°

Instrument channel diameter: 2.8mm

Working / Total length: 1010/1350mm



XC series Colono fiberscope

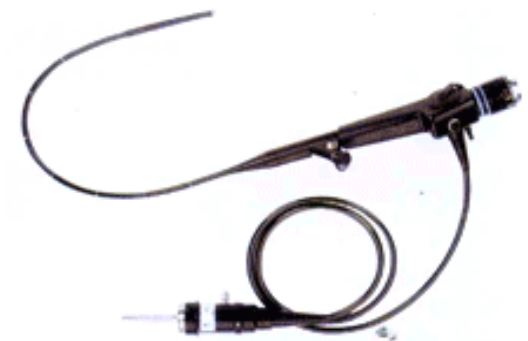
**XC-900** 13×1350mm, water-proof,  
**XC-1300** 13×1650mm, water-proof,  
**XC-1300** 13×1650mm, water-proof, import image bundle

Specifications,  
 Angle of view field: >100°,  
 Depth of view field: 5-100mm,  
 Range of tip bending: Up 180°, Down 180°, Left / Right 160°

Instrument channel diameter: 3.2mm

Working length: 1000mm(XC-900), 1300mm(XC-1300)

Total length: 1350mm(XC-900), 1650mm(XC-1300)



ABF series Broncho fiberscope

**ABF-6** 6×800mm, water-proof,  
**ABF-6** 6×800mm, water-proof, import image bundle

Specifications,  
 Angle of view field: >100°,  
 Depth of view field: 3-50mm,  
 Distal end diameter: 5.3mm,  
 Range of tip bending: Up 130°, Down 90°

Instrument channel diameter: 2.0mm

Working / Total length: 530/800mm



ANF series Laryngo fiberscope

**ANF-6** 6×710mm, water-proof,  
**ANF-6** 6×710mm, water-proof, import image bundle

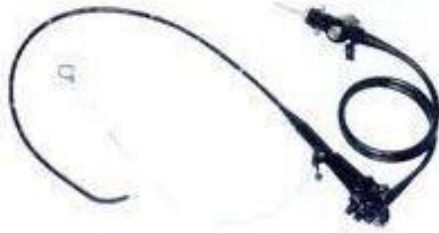
Specifications, +  
 Angle of view field: >100°,  
 Depth of view field: 3-50mm,  
 Distal end diameter: 5.3mm,  
 Range of tip bending: Up 130°, Down 90°

Instrument channel diameter: 2.0mm

Working / Total length: 410/710mm

## VIDEOSCOPE

**VME-98** 9.8×1300 Video gastroscope, cold light source and video camera integrative (one frame freeze) or separate (four frame freeze)



**Specifications:**

Angle of view field: 140°  
 Depth of view field: 3-100mm,  
 Distal end diameter: 9.8mm,  
 Insertion tube diameter: 9.6mm,  
 Range of tip bending: Up 210°, Down 90°, Left / Right 100°

Resolution: 440,000 Pixels,  
 Instrument channel diameter: 2.8mm,  
 Working / Total length: 1035/1300mm,  
 Display: Full screen,

**VME-1300** 13×1600mm Colono videoscope, cold light source and video camera integrative (one frame freeze) or separate (four frame freeze)



**Specifications:**

Angle of view field: 140°  
 Depth of view field: 3-100mm,  
 Distal end diameter: 13mm,  
 Insertion tube diameter: <13mm,  
 Range of tip bending: Up / Down 180°, Left / Right 160°

Resolution: 440,000 Pixels,  
 Instrument channel diameter: 3.2mm,  
 Working / Total length: 1300/1600mm,  
 Display: Full screen,

**VME-2000** Endoscope image control center, video camera and cold light source (21W short-arc or Halogen lamp) integrative

Dimension: 420(L)×380(W)×170(H)mm, weight: 20kg



**VME-2000** Endoscope image control center,

Dimension: 420(L)×380(W)×100(H)mm, weight: 10kg



**AL-2000** Cold light source, 21W short-arc lamp (or Halogen lamp)

Dimension: 420(L)×380(W)×160(H)mm, weight: 20kg



Note: All model have 110V or 220V voltage, PAL system only.

**All set videoscope contains the following items:**

1. Video Gastroscope or Colono videoscope	1unit	11. Muzzle (VME-98 only),	2pcs
2. Flexible biopsy forceps,	2pcs	12. Spare bulb for AL-2000	1pc
3. Flexible cell brush,	1pc	13. Fuse,	1bag
4. Flexible clean brush,	1pc	14. VME-2000 Image control center,	1unit
5. Bottle,	1unit	15. AL-2000 Cold light source,	1unit
6. O-Ring seal loop,	1bag	16. Power cable (3plug and 2plug each),	4pcs
7. Seal cap of instrument channel,	1bag	17. Video frequency cable (BNC port),	1pc
8. Silicon oil (10ml),	1pc	18. Video frequency cable (Y/C, S port),	1pc
9. Input liquid pipe,	1pc	19. JVC 14 inch color monitor,	1unit
10. Leakage tester,	1set	20. Mobile videocart,	1unit
		21. Metal carry box,	1pc