

PT MITRA INTI DWITAMA

MED1



# PRODUCTS CATALOGUE



Product of the year  
2022

Technology 2022 national  
award issued by Ministry of  
Industry and Trade

Innovations  
2022



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MEDIKAUTAMA.ID



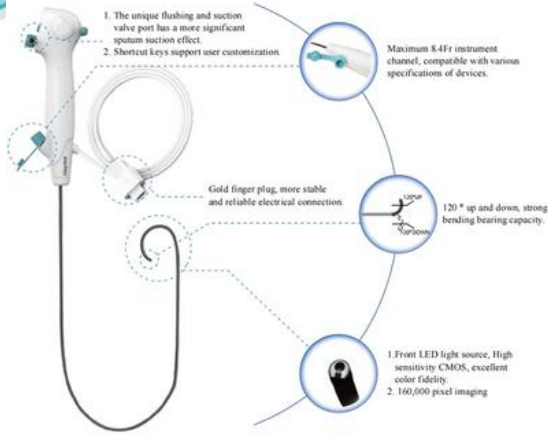
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## Disposable Digital Flexible Bronchoscopy



### Product Application

- Diagnosis and surgery of the respiratory tract: Procedures such as lesion observation and biopsy



## Flexible Video Endoscopy With 3,5" Monitor



### Processor

#### SP-TXCLQ-02-3.5

|                       |                   |
|-----------------------|-------------------|
| Screen Size           | 3.5"IPS Screen    |
| Resolution            | 640*480           |
| External Interface    | TYPE-C, MINI HDMI |
| Screen Rotation Angle | Up 160°, Down 30° |
| Design                | Portable          |
| Battery               | 2000 mAh          |

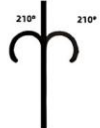


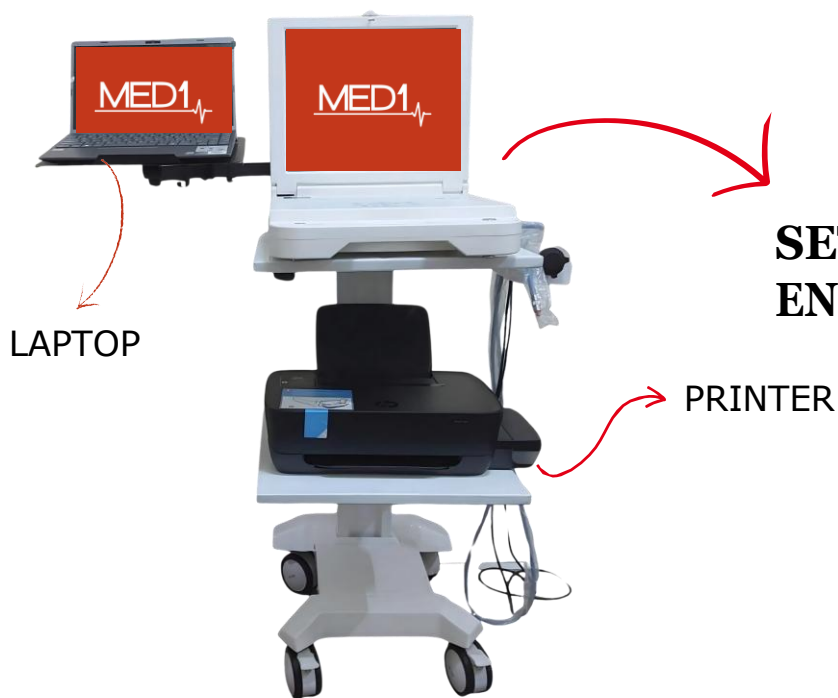
### Specifications

| Optical System                                                                        |                 |               |               |                 |               |
|---------------------------------------------------------------------------------------|-----------------|---------------|---------------|-----------------|---------------|
| Field of View                                                                         | 120°            |               |               | 140°            |               |
| Direction of View                                                                     | Forward viewing |               |               | Forward viewing |               |
| Depth of Field                                                                        | 5~50mm          |               |               | 3~80mm          |               |
| Light Source                                                                          | LED             |               |               | LED             |               |
| Insertion Section                                                                     |                 |               |               |                 |               |
| 160K pixels series (Compatible Processor: SP-TXCLQ12.1)                               |                 |               |               |                 |               |
| Model                                                                                 | SP-HJC 281260   | SP-HJC 381860 | SP-HJC 482660 | SP-HJC 523060   | SP-HJC 583260 |
| Insertion Tube Outer Diameter                                                         | Φ2.8mm          | Φ3.8mm        | Φ4.8mm        | Φ5.2mm          | Φ5.8mm        |
| Working Channel Inner Diameter                                                        | 1.2mm           | 1.8mm         | 2.6mm         | 3.0mm           | 3.2mm         |
| Resolution                                                                            | 400*400         |               |               |                 |               |
| 1.0 Megapixels series (USB Output, compatible with cellphone, tablet, computer, etc.) |                 |               |               |                 |               |
| Model                                                                                 | SP-HJC38060     | SP-HJC481660  |               | SP-HJC582660    |               |
| Insertion Tube Outer Diameter                                                         | Φ3.8mm          | Φ4.8mm        |               | Φ5.8mm          |               |
| Working Channel Inner Diameter                                                        | 0mm             | 1.6mm         |               | 2.6mm           |               |
| Resolution                                                                            | 1080*720        |               |               |                 |               |
| Working Length                                                                        | 600mm           |               |               |                 |               |
| Total Length                                                                          | 860mm           |               |               |                 |               |
| Bending Section                                                                       |                 |               |               |                 |               |
| Deflection Angle                                                                      | 210° / 210°     |               |               |                 |               |

### Advantages

- Ergonomic design, waterproof handle, wide system compatibility.
- Featuring high-definition image quality and stable video performance, it enables doctors to more accurately assess the condition of lesions, reducing the risk of misdiagnosis and missed diagnosis.
- Manufactured using high-quality materials, it has excellent durability and antibacterial properties.
- Multiple OD of tubes are available to meet a variety of diagnostic and medical needs.





## SET TOWER ENDOSCOPY SHREK

## HD Portable Endoscopy (SY-GW612)

**SHREK**



- 4 in 1, camera + LED light source + monitor + HD recorder.
- High brightness, 80watts LED.
- medical grade HD monitor, 17 Inch.
- with suitcase, easy to carry.
- suitable for diagnosis and surgery
- application: laparoscopy, Gynecology, urology, ENT, Orthopedics, etc.



Detailed parameter as following table

| Medical Monitor          |                        |          |                                        |
|--------------------------|------------------------|----------|----------------------------------------|
| LCD Screen               | 17"                    |          |                                        |
| Color                    | 10.7 billion           |          |                                        |
| Aspect Ratio             | 5:4                    |          |                                        |
| Endoscopy Full HD Camera |                        |          |                                        |
| Image device             | 1/2.8 CMOS             |          | SNR                                    |
| SY                       | PAL                    |          | Brightness                             |
| Scanning System          | 2:1 Progressive        |          | White Balance                          |
| Scanning Mode            | Progressive Scanning   |          | AG                                     |
| Horizontal Resolution    | 1000TVL                |          | Minimum Illumination                   |
| OSD Control-Menu         | Built In               | External | DNR                                    |
| LED Light Source         |                        |          |                                        |
| Input Power              | 00VA                   |          | Light output hole diameter             |
| Light Source             | LED                    |          | Working Conditions                     |
| Brightness               | 1,20/000LUX            |          | Starge conditions                      |
| Color Temperatur         | >6500k                 |          | Continuous working hours               |
| HD Recorder              |                        |          |                                        |
| Specitications           | Parameters             |          | External U Flashdisk                   |
| Recordering Format       | MP4                    |          | Extenal mobile HDD                     |
| Recordering quality      | MAX 18fps @1000P 30Fps |          | Recorder interface                     |
|                          |                        |          | Support USB disk & removable hard disk |

## Endoscopy Camera System Full HD 1080P (Horizon 1200S)

### HORIZON1200S

ENDOSCOPE CAMERA WITH 100W LED LIGHT SOURCE



|                          |                                                        |
|--------------------------|--------------------------------------------------------|
| Scanning Mode            | Progressive Scanning                                   |
| Vertical Resolution      | 1200TVL                                                |
| Coupler                  | F22m                                                   |
| Cable Length             | 2.8                                                    |
| Digital                  | 1-10X                                                  |
| Min-Illumination         | 0.1LUX                                                 |
| Digital Noise Reduction  | Auto                                                   |
| Black Light compensation | Auto                                                   |
| Digital Noise Reduction  | Yes                                                    |
| Recording                | Yes                                                    |
| Photo capture            | Yes                                                    |
| Image Mirror             | Yes                                                    |
| Output Interface         | HDMI,DVI,SDI,BNC,USB                                   |
| Language                 | Chinese, English, Russian, French, Spanish, Portuguese |



|                       |                   |                       |                  |
|-----------------------|-------------------|-----------------------|------------------|
| Sensor                | 1/1.8" Sony CMOS  | Light Source          | LED              |
| Water proof           | IPX4(camera head) | Power Assumption      | 100W             |
| Pixels                | 2.68M Pixels      | Cable light           | 2.0M             |
| Output Resolution     | 1920*1200/60FPS   | Lux                   | >1600,000Lux     |
| White Balance         | Auto/MANUAL       | Color Temperature     | >5700K           |
| Image Freeze          | Yes               | Color Rendering Index | 93               |
| Brightness Adjustment | Yes               | LIFETIME              | >5000hrs         |
| SNR                   | >90dB             | Power supply          | 110-220V/50-60Hz |

## Endoscopy Joymed Camera System UHD 2160P (4K System) + light source (complete set)



Adapters to endoscope



Medical Optical Fiber



|        |                  |                                                                          |
|--------|------------------|--------------------------------------------------------------------------|
| system | Recording        | Yes                                                                      |
|        | Photo capture    | Yes                                                                      |
|        | Image Mirror     | Yes                                                                      |
|        | Output Interface | HDMI,DVI,SDI,BNC,USB                                                     |
|        | Operation Mode   | Laryngoscopy/OTONEURO/Arthroscopy/<br>GYNURO/Laparoscopy/PTED/Fiberscope |
|        | Language         | Chinese, English, Russian, French, Spanish, J                            |
|        | Power supply     | 110-220V/50-60Hz                                                         |
|        |                  |                                                                          |

## ENT Unit



### ENT Treatment Unit

JLD-G30



#### Standard Configuration

- LED illumination light 12v10w 10 levels brightness, 1 pcs
- Spray gun (straight 2 pcs, bend 1 pcs), 3 pcs
- Suction gun 10 second delayed shut off, 1 pcs
- Laryngoscope pre-heater 0-180s adjustable, 1 pcs
- Instrument tray, 2 pcs
- Cotton cup, 2 pcs
- Medical bottle, 4 pcs
- Built-in waste tank, 1 pcs
- Built-in equipment recycle tank, 1 pcs
- Vacuum pump, 1 pcs
- Compressor, 1 pcs
- Doctor chair, 1 pcs
- Size: 850\*500\*810mm
- Net Weight: 70kg

### ENT Patient Chair

JLD-009



1#  
2#  
16#

#### Standard Configuration

- Color: 1#, 2#, 16#
- Voltage: AC220V, 50Hz
- Power: 230W (Maximum), low power consumption and saving power
- Seat height adjustable: 450mm (Minimum) - 600mm (Maximum)
- The seat rotation is 180° by manually
- Loading capacity: 250kg (Maximum)
- The armrest can be manually adjustable 90°, head pillow height can adjustable and move
- Function: The seat can be up and down, backrest can adjustable from 90-180°
- The foot pad linkage can rise 90°, backrest and leg pad linkage can rotate 180° left and right
- Size: 880\*620\*1180mm
- Net weight: 115kg

## ENT Unit

JLD-Pioneer



**JALANDA®**

### Complete Set Configuration

- LED illumination light 12v10w 10 levels brightness, 1 pcs
- Spray gun (straight), 3 pcs
- Suction gun 10 second delayed shut off, 1 pcs
- Constant temperature ear rinsing system adjustable, 1 pcs
- Endoscope constant temperature cavity adjustable, 1 pcs
- Laryngoscope constant temperature system adjustable, 1 pcs
- Blow off equipment system with alarm function, 1 pcs
- Laryngoscope pre-heater 0-180s adjustable, 1 pcs
- Built-in LED cold light source 60w, 1 pcs
- Instrument tray, 4 pcs
- Cotton cup, 2 pcs
- Built-in waste tank, 1 pcs
- Built-in equipment recycle tank, 1 pcs
- Intelligent touched control system, 1 pcs
- Pipeline rinsing system, 1 pcs
- Vacuum pump, 1 pcs
- Compressor, 1 pcs
- Storage cabinet, 1 pcs
- Doctor chair, 1 pcs
- LED headlight, 1 pcs
- Microscope, 1 pcs
- 1CCD/3CCD camera, 1 pcs
- External LED cold light source 80w, 1 pcs
- Light guide, 1 pcs
- ø2.7/4\*90mm (0°/30°) otoscope, 1 pcs
- ø2.7/4\*175mm (0°/30°) sinoscope, 1 pcs
- ø8\*185mm (70°/90°) laryngoscope, 1 pcs
- Computer + 21.5" LCD display (come with endoscope software), 1 pcs
- 15" LCD monitor, 1 pcs
- Printer, 1 pcs
- Writing table, 1 pcs
- Size: 2210\*580\*825mm
- Net weight: 220kg

## ENT Treatment Unit

JLD-G35



**JALANDA®**

### Standard Configuration

- LED illumination light 12v10w 10 levels brightness, 1 pcs
- Spray gun (straight 2 pcs, bend 1 pcs), 3 pcs
- Blow gun, 1 pcs
- Suction gun 10 second delayed shut off, 1 pcs
- Built-in LED cold light source 12v10w 10 levels brightness, 1 pcs
- Laryngoscope pre-heater 0-180s adjustable, 1 pcs
- Film viewer, 1 pcs
- Blow off equipment system with alarm function, 1 pcs
- Instrument tray, 2 pcs
- Cotton cup, 2 pcs
- Medical bottle, 7 pcs
- Built-in waste tank, 1 pcs
- Built-in equipment recycle tank, 1 pcs
- Built-in immersion sterilization cup, 1 pcs
- Vacuum pump, 1 pcs
- Compressor, 1 pcs
- Doctor chair, 1 pcs
- Size: 1240\*625\*770mm
- Net Weight: 185kg

# ENT Unit

JLD-G65

**JIALANDA**®



## ■ Complete Set Configuration

- LED headlight 3w 12000 lux, 1 pcs
- Spray gun, 1 pcs (2 straight 1 bend for medicine, 1 straight for powder)
- Blow gun, 1 pcs
- Suction gun 10 second delayed shut off, 1 pcs
- Built-in LED cold light source 12v10w 10 levels brightness, 1 pcs
- Constant temperature ear rinsing system adjustable, 1 pcs
- Laryngoscope pre-heater 0-180s adjustable, 1 pcs
- Film viewer, 1 pcs
- Blow off equipment system with alarm function, 1 pcs
- Instrument tray, 2 pcs
- Cotton cup, 4 pcs
- Medical bottle, 8 pcs
- Built-in waste tank, 1 pcs
- Built-in equipment recycle tank, 1 pcs
- Built-in immersion sterilization cup, 1 pcs
- 7 inch intelligent touched control system, 1 pcs
- Vacuum pump, 1 pcs
- Compressor, 1 pcs
- Air storage tank, 1 pcs
- Doctor chair, 1 pcs
- Microscope, 1 pcs
- 1CCD/3CCD camera, 1 pcs
- External LED cold light source 80w, 1 pcs
- Light guide, 1 pcs
- Ø2.7/4\*90mm (0°/30°) otoscope, 1 pcs
- Ø2.7/4\*175mm (0°/30°) sinoscope, 1 pcs
- Ø8\*185mm (70°/90°) laryngoscope, 1 pcs
- Computer + 21.5" LCD display (come with endoscope software), 1 pcs
- 15" LCD monitor, 1 pcs
- Printer, 1 pcs
- Size: 2060\*680\*800mm
- Net weight: 390kg

## SET POLI THT GOLD



**Endoscopy Set Shrek  
(SY-GW612)**

**JIALANDA**

**SHREK**



**ENT Chair JLD-009**



**ENT Treatment JLD-G30**



**Otoscope**



**Headlamp**



**Scope**



**Cerumen Set**



**Basic Instrument  
THT**

## SET POLI THT PLATINUM

MED1

**JIALANDA**

**SHREK**



**Endoscopy Horizon 1200S**



**ENT Chair JLD-009**



**ENT Treatment JLD-G35**



**Otoscope**



**Headlamp**



**Scope**



**Cerumen Set**



**Basic Instrument  
THT**

## Telescope



| ITEM NO. | DIAMETER | WORKING LENGTH | DOV |
|----------|----------|----------------|-----|
| BS001    | 4MM      | 175MM          | 0°  |
| BS002    | 4MM      | 175MM          | 30° |
| BS003    | 4MM      | 175MM          | 45° |
| BS004    | 4MM      | 175MM          | 70° |
| BS005    | 2.7MM    | 175MM          | 0°  |
| BS006    | 2.7MM    | 175MM          | 30° |

## What is ECO RF Plasma Surgical System?

Under the low frequency electric field of 100kHz, a plasma thin layer with a thickness of about 100  $\mu\text{m}$  is formed around the electrode by normal saline. The plasma thin layer is composed of high-energy ions. These particles have enough kinetic energy to break the organic molecular bonds of the target tissue and make it vaporized and cracked into gas.

The low-temperature plasma technology of ECO can realize the functions of tissue cutting, ablation and coagulation at a low temperature of 40-70°C, which can effectively avoid the defects of high temperature, deep damage, large amount of bleeding, and negative plate sticking.



## ECO ENT RF Plasma Surgical System - for ENT

- The core algorithm can maintain a temperature as low as 42°C.  
The core algorithm optimizes the power output curve, enhances coagulation, and continuously maintains a low temperature during operation.



- The intelligent closed-loop control system allows for efficient and stable operation.



- SP/PK arcing shortens the operation time.

SP/PK arcing can reach rapid arcing within 1-2 seconds under normal saline, with a high plasma

## Advantage of ECO Plasma Eletrodes

Various types of electrodes and wide range of applications

- Three stages of active tips are integrated for cutting, ablation, and coagulation. The first and second stages can be used for cutting and ablation, and all three stages can be used for coagulation.
- Electrodes are mainly used in nasal treatments, such as the removal of tonsil and adenoid, UPPP, and CAUP. The active tips of the electrodes are made of platinum materials for sharper cutting.
- Electrodes are mainly used in the cutting of laryngeal papillomas and laryngeal growths. The small-diameter and ultra-long electrode design can make the intraoperative vision clearer and the operation site more in-depth.

| Model No.    | Clinical Use                 |
|--------------|------------------------------|
| ECO-800F1101 | Turbinate ablation           |
| ECO-800F1102 | Turbinate ablation           |
| ECO-800F1208 | Tonsillectomy, Adenoidectomy |
| ECO-800F1201 | Tonsillectomy, Adenoidectomy |
| ECO-800F1220 | Laryngeal lesion ablation    |



## Comparison of ECO RF plasma and ESU

|                      | ECO RF plasma              | ESU                         |
|----------------------|----------------------------|-----------------------------|
| Working frequency    | 100KHz                     | 300-40000KHz                |
| Working temperature  | 40-70°C                    | About 300°C                 |
| Working medium       | Normal saline              | Cytochylema                 |
| Depth of damage      | 0.3-0.5                    | 1.0-2.0                     |
| Postoperative effect | Minor pain, fast prognosis | Severe pain, slow prognosis |



## Indications

- Tonsil, adenoid surgery
- Uvulopalatoplasty
- Ablation of turbinate and tongue root
- Resection of tumors in otolaryngology and oral cavity

Low Temperature · Less Damage · Painless Coagulation

**ECO ENT RF Plasma Surgical System**  
**ECO-800CI (ECO-802A) — For ENT**