

# REC-4000 VET Laparoscope Endoscope



## Part 1- Video Processor and Light Cold Source 2 in 1 Machine (Full HD 1080P)

| PARAMETER             | SPECIFICATION                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Lamp                  | LED light (100W white)                                                                                    |
| Power                 | 100-240V; 50-60HZ                                                                                         |
| Illuminance           | ≥3,000,000 lux                                                                                            |
| Color temperature     | ≥5700K                                                                                                    |
| Video signal output   | CVBS ,HD-SDI , VGA , DVI-D,HDMI                                                                           |
| Brightness adjustment | 0-100 grade                                                                                               |
| White balance         | One-click white balance                                                                                   |
| Main Function         | Support one -click freeze single image<br>With 5 Inch color LCD high sensitive touch screen control board |



## Part 2- Electrosurgical Unit

| PARAMETER                 | SPECIFICATION                              |
|---------------------------|--------------------------------------------|
| Power supply              | 110/220V ~ 50/60HZ                         |
| Power capacity            | 1100VA                                     |
| Classify                  | Class I Type BF                            |
| Working mode              | Intermittent loading, working continuously |
| Fuse                      | BGXP5×20 5A 3pcs                           |
| Highest frequency         | 400W 500Ω                                  |
| Packing                   | Handle with care, upward, keep dry etc.    |
| Machine power dissipation | ≤1000VA (CUT 400W, BIOPOLAR 70W output)    |
| Barometric pressure       | 500hPa ~ 1060hPa                           |
| Temperature               | 5℃ ~ 40℃                                   |
| Relative humidity         | ≤80                                        |
| Barometric pressure       | 86.0 ~ 106.0kPa                            |
| Working frequency         | 360 ~ 512kHz                               |



## Part 3- CO2 Pneumoperitoneum Insufflator Machine

| PARAMETER            | SPECIFICATION |
|----------------------|---------------|
| Power supply voltage | AC220V        |

|                                               |                                   |
|-----------------------------------------------|-----------------------------------|
| Power frequency                               | 50Hz                              |
| Input power                                   | 40VA                              |
| Fuse                                          | fla1250v 1A                       |
| Control range of gas injection pressure       | 0.67kpa ~ 3.30kpa (1mmhg)         |
| Control accuracy of gas injection pressure    | ± 0.13kpa (1mmhg)                 |
| Flow rate range of injected gas               | 1L / min - 30L / min respectively |
| Allowable deviation of injected gas flow rate | ±20%                              |



## Part 4- Souice Pump

| PARAMETER                 | SPECIFICATION            |
|---------------------------|--------------------------|
| Voltage                   | AC220V 50HZ              |
| Rated Pwr.                | 50VA                     |
| Range of the pos-pressure | 10 ~ 50kPa               |
| Range of the neg-pressure | -50 ~ -10 kPa            |
| Safe classification       | Type I Model B           |
| Run mode                  | Inter loading/Cont. Duty |
| Noise                     | ≤50dB                    |



## Part 5- Irrigation Pump

| PARAMETER           | SPECIFICATION              |
|---------------------|----------------------------|
| Voltage             | 240v,50Hz/60Hz             |
| Rated Pwr.          | 100VA                      |
| Range of the Press. | 15 ~ 400mmHg (2 ~ 53.3kPa) |
| Range of flw.       | 0.1 ~ 1.0 L/min            |
| Safe classification | Type I Model B             |
| Run mode            | Inter loading/Cont. Duty   |
| Noise               | ≤50dB                      |
| Host size           | 360*315*160mm/ 9KGS        |

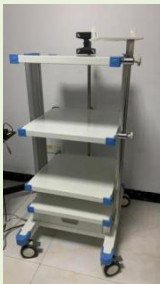


## Part 6- LCD Monitor

| PARAMETER             | SPECIFICATION               |
|-----------------------|-----------------------------|
| Display size          | 24"                         |
| Power Supply          | External Power Supply 24V   |
| Resolution            | 1920x1200                   |
| Display Ratio         | 16:10                       |
| Color                 | 1.07B                       |
| Camoration Brightness | 180±10 cd/m <sup>2</sup>    |
| Max.Brightness        | 400 cd/m <sup>2</sup>       |
| Package size          | 65*36.5*60cm (G.W.:16.0kgs) |



## Part 7- Equipment Vehicles

| PARAMETER                                                                         | SPECIFICATION                |
|-----------------------------------------------------------------------------------|------------------------------|
| Size                                                                              | 500 * 700 * 1350mm           |
| Package size                                                                      | 118.5*63.5*22cm (G.W.:28kgs) |
|  |                              |

## Part 8- Sterilizer and Scope Storage Unit

| PARAMETER                                  | SPECIFICATION                                                                       |
|--------------------------------------------|-------------------------------------------------------------------------------------|
| Chamber size                               | Φ400X625mm                                                                          |
| Size                                       | 522X567X1020mm                                                                      |
| Automatic pressure sterilization equipment |  |
| Storage unit size                          | 785X 575X1800mm                                                                     |
| Storage unit layers                        | 5/6 layers                                                                          |
| Storage unit power supply                  | 12V 50Hz 30W                                                                        |
| Storage unit disinfection mode             | Manual automatic                                                                    |

## Main functions

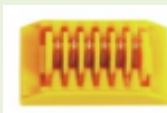
It can display the date, time, week and cumulative disinfection time, temperature and humidity, circulation wind drying, ultraviolet ray, ozone disinfection, Biopsy forceps hook, and lighting LED lamp in open cabinet.



## Rigid endoscope Part

### Laparoscopy

| NAME                     | SIZE      | QTY/UNIT | PICTURE                                                                                                                                |
|--------------------------|-----------|----------|----------------------------------------------------------------------------------------------------------------------------------------|
| Light guiding line       | Φ4×2500mm | 1/pc     |                                                   |
| Insufflator needle       | 100-150mm | 1/pc     | <br>气腹针 Veress Needle 150mm                       |
| Electric Ballpoint       | Φ5×330mm  | 1/pc     | <br>电棒 Ballpoint-electrode                        |
| Sealing cap              | Φ5mm      | 10/pc    |                                                                                                                                        |
| Curved dissectig forceps | Φ5×330mm  | 1/pc     | <br>弯剥离钳 Φ5×330                                   |
| Curved scissors forceps  | Φ5×330mm  | 1/pc     | <br>弯形剪刀 Curved applicator Φ5×330                 |
| Electrode hook           | Φ5×330mm  | 1/pc     | <br>电钩 Hook-electrode                             |
| Torcars                  | Φ5mm      | 1/pc     | <br>磁片穿刺器<br>Magnetic Trocar                      |
| Flap valve spiral trocar | Φ10mm     | 2/pc     | <br>螺旋磁片穿刺器<br>Magnetic Spiral Trocar<br>5.5×95mm |

|                       |          |       |                                                                                                                      |
|-----------------------|----------|-------|----------------------------------------------------------------------------------------------------------------------|
| Tissue biopsy forceps | Φ5×330mm | 1/pc  | <br>生部钛夹钳 Clip applicator Φ5×330  |
| Clip applicar         | Φ5×330   | 1/pc  |                                   |
| Titanium clip         |          | 1/box | <br>YDTJ-A2<br>钛夹大号<br>Clip Large |
| Laparoscopy           | Φ10mm/0° | 1/pc  |                                                                                                                      |

## Optional accessories

| NAME                        | SIZE     | QTY/UNIT | PICTURE                                                                                                                                   |
|-----------------------------|----------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Atraumatic grasping forceps | Φ5×330mm | 1/pc     | <br>03-017 无损伤抓钳 Φ5×330<br>Atraumatic Grasping Forceps |
| Dissecting forceps 90°      | Φ5×330mm | 1/pc     |                                                       |
| Surgical forceps 90°        | Φ5×330mm | 1/pc     |                                                      |
| Needle -holding forceps     | Φ5×330mm | 1/pc     | <br>05-120 Needle Holding Forceps                    |
| Knotter forceps             | Φ5×330mm | 1/pc     | <br>03-023 打结钳 Φ5×330 Knotter                        |
| Intestine forceps           | Φ5×330mm | 1/pc     |                                                      |
| Salpinx grasping forceps    | Φ5×330mm | 1/pc     |                                                      |
| Trefoil expansion forceps   | Φ5×330mm | 1/pc     | <br>04-013                                           |
| Spatula- electrode          | Φ5×330mm | 1/pc     | <br>07-005 电铲<br>Spatula-Electrpdie                  |
| Kont-pusher                 | Φ5×330mm | 1/pc     | <br>03-024 推结棒 Φ5×330 Knot pusher                    |
| Bipolar forceps             | Φ5×330mm | 1/pc     | <br>03-024 推结棒 Φ5×330 Knot pusher                    |

|                          |          |       |                                                                                       |
|--------------------------|----------|-------|---------------------------------------------------------------------------------------|
| Bipolar scissors         | Φ5×330mm | 1/box |    |
| Flushing tube            | Φ5×330mm | 1/pc  |    |
| Flusher                  |          | 1/pc  |    |
| adaptor                  | 10mm-5mm | 1/pc  |    |
| Titanium clip            | L        | 1/box |    |
| Titanium clip            | M        | 1/box |    |
| Trocars                  | 10mm     | 1/pc  |    |
| Flap valve spiral trocar | 10mm     | 1/pc  |  |
| Sealing cap              | 10mm     | 10/pc |                                                                                       |
| Clean brush              | 10X480mm | 1/pc  |  |
| Clean brush              | 5X 480mm | 1/pc  |                                                                                       |