

FULL-AUTOMATIC

Endoscope Cleaning-Disinfection Machine

Single Chamber

Double chamber



PRODUCT VERVIEW ▶▶

Due to the large number of patients in general hospitals, the frequency of patient endoscopy is too high, the cleaning and disinfection time is insufficient, and the disinfection is not thorough, leading to serious risks of hospital infection of patients and pathogenic infection of medical staff. Although the current endoscopic cleaning and disinfection devices used in hospitals can save manpower and control time, they have not yet reached the full automation and standard requirements. The latest automatic soft endoscope cleaning and disinfection machine developed by our company adopts microcomputer control, one-button start, high-pressure spray, automatic side leakage, cleaning, enzyme washing, rinsing, disinfection, final washing, alcohol drying, air drying and printing of endoscope pipes, realizing full immersion of the mirror body, and completing the cleaning process in only 8-15 minutes. It maximizes the utilization rate of hospital endoscopy turnover and reduces the waiting time of patients. It conforms to the international standard of the latest style of endoscopic cleaning and disinfection machine (the model of the standard of soft endoscopic cleaning and disinfection machine) ISO15883-4 version. Convenient, fast, scientific and efficient, no damage to the endoscope, and protect the health of medical staff, reduce the labor intensity of medical staff.

EQUIPMENT TECHNOLOGY INNOVATION ▶

- ▶ **Full-Automatic:** One-touch operation, the device completes the flow from water inlet to blow dry pipe without manual operation;
- ▶ **Foot Control:** Avoid secondary pollution caused by hand opening the cover and then taking the sterilized endoscope;
- ▶ **Autodisinfection:** Avoid secondary infection of the sterilized endoscope during the final washing, and meet the requirements of the technical specification for endoscopic cleaning and disinfection;
- ▶ **Thermostatic:** Cleaning and disinfection effect is not affected by regional climate and seasonal changes, high efficiency, good disinfection effect;
- ▶ **Cleaning Efficiency:** The whole process of cleaning and disinfection machine only takes 10 minutes, greatly shortening the cleaning and disinfection cycle, improve the working effect;
- ▶ **English Screen:** Program running time, functional process in Chinese display, fault alarm and repair troubleshooting prompt display;
- ▶ **Printing Function:** Facilitate the recording and inquiry of endoscopic disinfection data;
- ▶ **Full Leak Detection:** The whole process of automatic and continuous monitoring, once leakage, immediate alarm, and automatic drainage, so that the endoscope can be better protected.

RANGE OF APPLICATION ▶

For all types of flexible endoscopes: gastroscope, enteroscopy, bronchoscope, otolaryngoscope, choledochoscope and other flexible endoscopes full immersion cleaning and disinfection.

PRODUCT BASIC PARAMETERS ▶

Product model	JM-90A	JM-90A-2
Disinfectant capacity	12L	12L×2
Suitable enzyme capacity	2L	2L×2
Alcohol capacity	2L	2L×2
Rated electric energy	AC220V±10%, 50HZ 10A	
Water supply requirement	Tap water, water volume: more than 20L/ min; 0.2Mpa≤ Pressure ≤0.5Mpa	
Suitable enzyme dosage	According to the requirements of suitable enzymes can be set	
Alcohol dosage	Factory setting for alcohol drying 2 minutes, can be adjusted;	
Leak detection method	Digital continuous leakage detection, endoscope leakage alarm at any time.	
Water treatment	External ultrafiltration	
Sterilization frequency record	The Times are automatically recorded and displayed on the screen.	
Disinfection time	adjustable	
Add or excrete disinfectant	Start auto add and auto export separately	

PROCESS SCHEMATIC ▶





Full-Automatic Endoscope Cleaning-Disinfection Single Chamber

Product Model	JM-90A
Machine size	550×660×940mm
Internal size	465×390×142mm
Cleaning quantity	1-Group (20 Min/Times)
Materials	ABS+Cold-Rolled Plates, PMMA, 304 Stainless Steel
Power Supply	220V 50HZ
Power	600W
Weight	75KG

▶ **Endoscopic lumen irrigation by total perfusion:** Endoscope lumen was performed by full perfusion irrigation to eliminate gas injection, liquid injection, biopsy, suction lumen, and cyclic perfusion irrigation to prevent the formation of bacterial biofilm.

- ▶ **Leak detection function:** The endoscopic leakage detection should be completed before the contact between the endoscope and the liquid in the endoscope cleaning sterilizer, and the continuous detection should be carried out. When the leakage value of the endoscope is detected to exceed the set allowable leakage amount, visual and sound alarm signals should be sent out, and the operation of the program should be automatically terminated.
- ▶ **All-Round, full pipe cleaning and disinfection:** The cleaning tank is equipped with rotating nozzle and rotating spray arm to thoroughly clean and disinfect the outer surface of the endoscope in all directions, while the circulating water continuously cleans and disinfects all the inner lumen of the endoscope.
- ▶ **Autodisinfection Function:** The independent self-disinfection program can be run after maintenance or interruption of use of the equipment. The self-disinfection function can thoroughly disinfect the decontamination tank and pipe, including the 0.2um filter, to prevent the cleaning sterilizer from becoming a source of contamination.
- ▶ **Dry Function:** The endoscope lumen are dried. Use alcohol and clean air drying (two modes are optional).
- ▶ **Sterile Water Rinse:** After disinfection, the sterilized endoscope should be rinsed with sterile water with a filter of 0.2um to avoid contaminating the sterilized endoscope again with unclean rinsing water.





Full-Automatic Endoscope Cleaning-Disinfection Double Chamber

Product Model	JM-90A
Machine size	550×660×940mm
Internal size	465×390×142mm
Cleaning quantity	2-Group (20 Min/Times)
Materials	ABS+Cold-Rolled Plates, PMMA 304 Stainless Steel
Power Supply	220V 50HZ
Power	600W
Weight	150KG

- ▶ **Automatic door, foot switch:** Visual automatic tempered glass door, easy to observe the cleaning and disinfection situation; The foot switch and the manual touch screen can automatically open and close the door to avoid cross infection caused by taking and removing the endoscope after touching the machine with hands, which meets the requirements of hospital infection.
- ▶ **Disinfectant automatic addition and discharge function:** JM-90A/90A-2 series is equipped with automatic disinfectant addition and discharge function. When adding disinfectants, just pour the disinfectant into the disinfection tank and start the disinfectant addition procedure. When discharging, start the discharge procedure.
- ▶ **Complete closure:** JM-90A/90A-2 series cleaning tank adopts fully closed structure, automatically toughened glass door pressing sealing rubber strip, prevent the smell of disinfectant leakage, maximize the protection of the health of operators.

Disinfectant automatic sampling function: JM-90A/90A-2 series is equipped with an automatic disinfectant sampling device, which is convenient for users to monitor the concentration of disinfectants and protect the safety of operators.

Automatic addition of chemical additives: In the process of decontamination, chemical additives, such as enzymes, alcohol and disinfectants, are automatically added in the measurement. If the dose is insufficient, the whole process of the machine will be alarmed, and the fault content will be displayed and the solution will be suggested.



Immersion
Type ▶



Spray
Type ▶