

Bench Top Plasma Sterilizer

Innovative & Multi-Functional

In the process of perfecting our products, Laoken sticks to the requirements of hospitals and the latest standards. All products are ensured of meeting current and future market demands and fulfill the demands of sterilization improvements.

STER-E50 bench top plasma sterilizer particularly fits in varied departments in hospitals such as operation rooms, ophthalmology, dentistry, orthopedics, sanitary and anti-epidemics, and research institutions, laboratories, etc. With outstanding sterilization efficacy and efficiency, environment friendly, low purchase and running cost, making it the first choice of modern sterilization equipment.

Our bench top plasma sterilizer adopts state of the art RF plasma technology, with aluminum alloy as chamber material, with advantages as follows:

- Aluminum has better heat conductivity. It can guarantee a constant temperature to maintain the gas state of H₂O₂. Thus, H₂O₂ can be thoroughly ionized into plasma. Therefore, sterilization efficacy is guaranteed and in the meantime, no residues after sterilization.
- Chamber walls' thickness is 8mm to bear repetitive vacuuming and oxidizing. Life span can be more than 10 years.
- Dismountable shelves are specially designed for laparoscope. The chamber can hold two sets of laparoscope or high devices.
- 15 minutes pre-heating, reducing time of waiting.

Applicable Medical Instrument For Sterilization

STER-E series plasma sterilizers are applicable for surgical instruments including metal, nonmetal, humidity and heat sensitive instruments.

Metal: stainless steel, aluminum, bronze, titanium and some other metals.

Nonmetal: glass, plastic, plastic polyacetal, ethenyl, styrene polymers, polycarbonate, ethylene resin, poly methyl methacrylate, non-woven fabrics, polyurethane, polyvinyl chloride, nylon.

- Papers, pledget and hygroscopic articles are not allowed to put in the chamber;
- Can not sterilize hygroscopic instruments;
- Can not sterilize powder objects.



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Cassette System



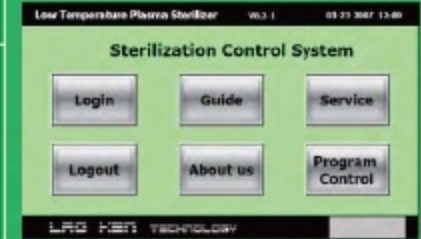
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Built-in Printer



7" Touch Screen



ADVANTAGES

Longer life span:

Over 10 years' longer life span.

Easy operation and reliable:

One button touch screen operation and without any harm to environment and human.

Short preheating:

15 minutes short time preheating saves time and cost.

Full sterilization record storage:

32M memory stick stores up to 2 years' sterilization records.

Cost saving:

Adopt cassette injection system with 12 capsules that can be used up to 12 cycles per cassette.

Easy maintenance:

90% imported spare parts and the only maintenance is to renew vacuum oil and HEPA filters.

Effective sterilization:

Reach sterilization of two sets of laparoscopes in one cycle for no more than 21 minutes.

Complete consumables supply:

Complete consumables are supplied to provide perfect performance satisfaction.

Technical Specifications

Sterilization Cycle Time	Standard Cycle: 35 Mins Short Cycle: 21 Mins
Sterilization Chamber	Configuration: Rectangular Material: Aluminum Chamber dimensions: 260 mm x 220 mm x 750mm Chamber volume: 50 Liters Usable volume: 33 Liters Sterilization temperature: 35°C - 55°C Instruments tray numbers: 2 Layers
System Controlling	The system is fully automated, controlled by microprocessor controller.
Display & Printer Outputs	7 inch, TFT true color, touch screen. Built- in micro impact printer.
Flash Memory Card	32MB smart memory card in order to generate system performance record and data storage for each cycle.
Hydrogen peroxide cassette	Hydrogen peroxide concentration: 58 %. Hydrogen peroxide validity: 2 years. *The steriliser works with a system with closed cassettes that guarantees the use of the same volume of sterilizing agent for each sterilization cycle. *one cassette of the sterilizer performs 6 standard or 12 short cycles. * The expiry of the cassette is shown on the touch screen.
Dimensions, Weight	Dimensions : 700mm x 970mm x 750mm Net Weight: 215Kg Gross Weight: 270Kg
Sterilization Level	Sterilization efficacy: SAL 10 ⁻⁶
Installing Space	Minimum area: 1400mm x 1400mm x 2000mm Minimum distance from wall: 100mm Minimum service access: 1000mm Venting requirements: Not required
Connections	Electricity only. 400V, 50Hz, 16A, 3 phase. The maximum electrical power: 2700W No other plumbing or civil work neneded
Operational Environment	Ambient temperature: 5°C - 40°C. Relative Humidity: 30% - 95%RH.
Sterilization Efficacy Lumen Claim	STER-E series plasma sterilizers reach sterilization efficacy with different instruments to include (but not limited to) - Single channel stainless steel lumens 1000mm sterilization efficacy with diameter at least 1mm - Single channel Polyethylene/Teflon lumens 2000mm sterilization efficacy with diameter at least 1mm
Accessories and Consumables	Laoken produces and provides all the necessary consumables for sterilization - cassettes, containers, packing paper, packing rolls, chemical and biological indicators.
Standards and Directives follows	ISO 9001 ISO 13485 ISO 14937 MDD 93/42/EEC