

# MOST-T Table top sterilizer



## Product Introduction

MOST-T is a type of tabletop sterilizer which is fast, safe and economic. It is common used in stomatological department, ophthalmological department, operating room and CSSD to make the sterilization for wrapped or unwrapped instrument, fabric, Hollow A, Hollow B, culture medium, unsealed liquid, etc.

The design meets relevant CE directives (such as MDD 93/42/EEC and PED 97/23/EEC) and the important standards such as EN13060.



18/ 24 / 45L



60/ 80L

## Product features

### Convenient cleaning

Open type water tank with removable cover makes it easy to be cleaned.

### Water saving

Compare to double water tank design, the single open type water tank supports water self-circulation.

It is available to continuously run with one time water filling, until getting the reminder of replacing the water.

### Water quality monitoring

The water level and the quality of the distilled water being used is guaranteed by the conductivity sensor incorporated in the tank and an efficient warning message/alarm system if the water is of unsuitable quality or lack of water, the sterilizer informs the user with appropriate messages and prevent the use to avoid damage risks.



### Water drainage

The quick coupling system for water draining on the front section of the sterilizer simplifies and speeds up the relevant tasks.

### Control panel and screen

The integrated programmable PLC control system with 3.2" LCD screen display and capacitive induction buttons enables intuitive operation. It shows the pages which are:

- ✓ Main menu
  - ✓ Library cycles
  - ✓ Cycle parameters
  - ✓ Process control
  - ✓ Display of temperature, pressure, time
  - ✓ Running process
  - ✓ Error and alarm information
  - ✓ The various of messages (working status, temperature, pressure, vacuum, etc.)
- Sterilization information is easier to be observed in the process.



### Steam generation by efficient steam generator

A separate steam generator is incorporated in the housing.

This has numerous advantages:

- No heating elements and no reservoir for dirty water in the chamber.
- In conjunction with the pre-heating function, can short heat-up time.
- Improved air removal by suppressing the air to the bottom with its natural gravitation.
- After sterilization, steam is immediately available for the next sterilization run.

18/24/ 45 Liters adopts built-in instant casting steam generator.

60/80 Liters adopts built-in energy-storage steam generator.



Casting steam generator



Energy-storage steam generator

# MOST-T Table top sterilizer

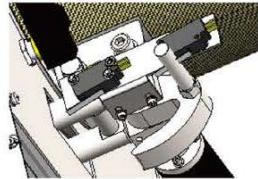
## High efficient WJS vacuum system

MOST-T Class B type with SHINVA unique water ejector vacuum system ( WJS ), which supply high speed vacuum and low working noisy, vacuum lower limit can reach over -90kPa in short time, perfect drying performance through sterilization.



## Automatic door structure

Automatic door structure which makes fast and simply operation, protecting the operators from scald. 18/24/45 Liters adopts a latch hook, while 60/80 Liters adopts multi-point synchronous linkage pressing technology, more reliable and durable.



## Sterilization chamber

The sterilization chamber is made of stainless steel 304. single door design Inside the room is a fixed support, made of steel, which allows to easily Load the trays (made of aluminum and steel).

The chamber insulation is made with the rock wool. around the chamber there is heating film to guarantee pre-heating into the chamber before the cycle.

## Gasket

The seal is silicone and doesn't require any lubrication. it is self-sealing and easy to replace.

## Hydraulics

The pipes are made of Teflon, the fittings and other hydraulic components (valves,etc) are made of copper.

## A variety of cycles

8 preset sterilization cycles

Unwrapped, Wrapped, Rubber, User01, N-Quick, B-Quick, Prion

2 Test cycles : BD & Helix, Leak Test (Vacuum test)

3 Auxiliary Program: Preheat, Drying, Cleaning.

## Multiple safety protection

- Over temperature automatic protection
- Multiple control and protection for steam generator
- Door safety interlock protection and dual chamber over-pressure protection
- Electronic circuit safety device

## Alternative accessories

- Built-in printer

Optional with integrated printer via RS232 serial port for documentation of program type: batch number date/ time,temperature/ pressure progress and sterilization phase.



## Wi-Fi module

The Wi-Fi module allows real time transmission of cycle data and cycle progress information to a PAD for online monitoring.

## USB and documentation software

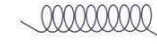
Via USB interface directly connects to PC. USB disk stores up to 10,000 sterilization cycles.







## Carrying device:



## Tyvek shelf:



## Loading shelves

Type A	Type B	Type C	Load tray
			
for 18/24Liters, 3/5 trays	for 45/60/80Liters, 2 layers of rack	for 45/60/80Liters, 4 trays	for Type A

## Technical parameter

Model	MOST-T							
Order code	T18	T24	T45	T24S	T45S	T60	T80	T80S
Type	Class B	Class B	Class B	Class S	Class S	Class B	Class B	Class S
Chamber dimension (φ×D) mm	250x350	250x450	316x618	250x450	316x618	358x595	358x717	358x717
Overall dimension (LxWxH)mm	560x530x450	660x530x450	830x640x550	660x530x450	830x640x550	1002x730x560	1002x730x560	1002x730x560
Temperature range (°C)	105-138	105-138	105-138	105-138	105-138	105-138	105-138	105-138
Chamber volume (L)	18	24	45	24	45	60	80	80
Design pressure (MPa)	-0.1/0.3	-0.1/0.3	-0.1/0.3	-0.1/0.3	-0.1/0.3	-0.1/0.3	-0.1/0.3	-0.1/0.3
Design temperature (°C)	144	144	144	144	144	144	144	144
Net weight (kg)	55	65	115	65	115	160	180	180
Input power(kVA)	2.6	2.5	5.8	2.6	5.8	7.4	7.4	7.4
Power supply	220V, 50 / 60Hz							
Loading tray	Type A	Type A	Type B / Type C	Type A	Type A	Type B / Type C	Type B / Type C	Type B / Type C
Water tank capacity (L)	4	4	14	4	14	14	14	14









# Certificate

No. Q5 003076 0004 Rev. 02

**Holder of Certificate:** **Shinva Medical Instrument Co., Ltd.**  
Xinhua Medical Scientific Zone  
Zibo New & Hi-Tech Industrial Development Zone  
255086 Zibo, Shandong  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Scope of Certificate:** Design and Development, Production and Distribution of Dental Unit, Dental Zirconia Ceramic, Medical High-energy Equipment (Medical Electron Linear Accelerator, Multi-leaf Collimator), Blood Irradiator, Remote Control After Loading Machine with Gamma Rays, Medical Laser Instrument Equipment (CTSim), Software (Radiotherapy Information System), Digital Medical X-ray Radiography System, Mobile Digit X-ray Unit, Digital X-ray Fluoroscope Radiography System, Digital Medical X-ray Photography System, Vehiclemounted Digital Medical X-ray Radiography System, Radiotherapy Simulator, Co-60 Therapy Unit, X-ray Equipment for Computed Tomography, Digital Mammography X-ray Equipment, X-ray Blood Irradiator, Digital Operation Room Equipment (Electric Operating Table, Operation Surgical Lamp, LED Surgical Lamp, Patient Transport Vehicle, Orthopedic Extension Device, Electric Multi-Purpose Obstetric Table, Electro-hydraulic Operating Table), Medical Ceiling Pendant, Moist Heat Disinfection and Sterilization Equipment, Dry Heat Disinfection and Sterilization Equipment, Chemical Sterilization Equipment, Washer and Disinfection Equipment, Autoclave, Rapid Automatic Washer-Disinfector, H2O2 Low Temperature Plasma Sterilizer, Ethylene Oxide Sterilizer, Pulse Vacuum Sterilizer.

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**Report No.:** BJ20050106  
**Valid from:** 2021-05-19  
**Valid until:** 2024-03-18

**Date,** 2021-05-19

Christoph Dicks  
Head of Certification/Notified Body

# Certificate

No. Q5 003076 0004 Rev. 02

- Applied Standard(s):** EN ISO 13485:2016  
Medical devices - Quality management systems - Requirements for regulatory purposes (ISO 13485:2016)  
DIN EN ISO 13485:2016
- Facility(ies):** Shinva Medical Instrument Co., Ltd.  
No. 2009 Xinhua Ave, Zhoucun, 255300 Zibo, Shandong, PEOPLE'S REPUBLIC OF CHINA
- Design and Development, Production and Distribution of Moist Heat Disinfection and Sterilization Equipment, Dry Heat Disinfection and Sterilization Equipment, Chemical Sterilization Equipment, Washer and Disinfection Equipment, Autoclave, Rapid Automatic Washer-Disinfector, H2O2 Low Temperature Plasma Sterilizer, Ethylene Oxide Sterilizer, Pulse Vacuum Sterilizer.
- Shinva Medical Instrument Co., Ltd.  
No. 99 Beixin Road, Zibo New & Hi-Tech Zone, 255086 Zibo, Shandong, PEOPLE'S REPUBLIC OF CHINA
- Design and Development, Production and Distribution of Medical High-energy Equipment (Medical Electron Linear Accelerator, Multi-leaf Collimator), Blood Irradiator, Remote Control After Loading Machine with Gamma Rays, Medical Laser Instrument Equipment (CTSim), Software (Radiotherapy Information System), Digital Medical X-ray Radiography System, Mobile Digit X-ray Unit, Digital X-ray Fluoroscope Radiography System, Digital Medical X-ray Photography System, Vehiclemounted Digital Medical X-ray Radiography System, Radiotherapy Simulator, Co-60 Therapy Unit, X-ray Equipment for Computed Tomography, Digital Mammography X-ray Equipment, X-ray Blood Irradiator, Digital Operation Room Equipment (Electric Operating Table, Operation Surgical Lamp, LED Surgical Lamp, Patient Transport Vehicle, Orthopedic Extension Device, Electric Multi-Purpose Obstetric Table, Electro-hydraulic Operating Table) , Medical Ceiling Pendant, Dental Zirconia Ceramic.
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- Design and Development, Production and Distribution of Autoclave, Dental Unit, Dental Zirconia Ceramic.