

Medical Waste Disposal Workstation YFXDG200

Highly automated equipment
Thorough crushing
Efficient sterilization



- **Thoroughness:** The use of microwave thermal effect and non-thermal effect on the microbial non-discriminatory elimination, kill rate up to log6;
- **Crusher:** Adopting high-quality 5500 blades, positive and negative two-way high-speed rotation, crushing particle size as small as 2cm.
- **Safety:** There is no waste water and gas, and the disinfection products can be directly used as domestic waste for incineration or burial;
- **Simple operation:** High degree of automation, PLC integrated control throughout the operation can be completed by only one person;



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Usage Scenario

Applicable places: medium-sized hospitals, small hospitals, health centers; medical waste treatment in emergency places; local disposal centers where epidemics occur.

Applicable types:

- Infectious: cotton swabs, cotton balls, disposable sanitary products, culture media, strains, specimens, serum, blood and other infectious wastes;
- Injurious: medical pillows, scalpels, surgical saws, glass test tubes, etc;
- Pathological: discarded human tissues, organs, cadavers, pathological wax blocks, etc;
- Not applicable: pharmaceutical and chemical wastes

About this item



Centimetric pulverization

- The use of imported high-strength, highly wear-resistant blades;
- Crushing particle size up to 2cm;

high efficiency

- Adopt microwave + high temperature steam double action
- The killing rate of microorganisms such as spores can reach log6.

Safe and non-polluting

- Disinfection process without harmful gases and wastewater generation microwave
- Real-time monitoring of leaks in the sterilization unit

automatization

- PLC touch control system, one button operation;
- Can be done by only one person

faulty alarm

- At the same time with sound and light alarm
- Abnormal alarm and stop protection

Mobile Internet of Things

- Reserved GPS+GDS positioning, double guarantee sterilization
- Full process display, data collection

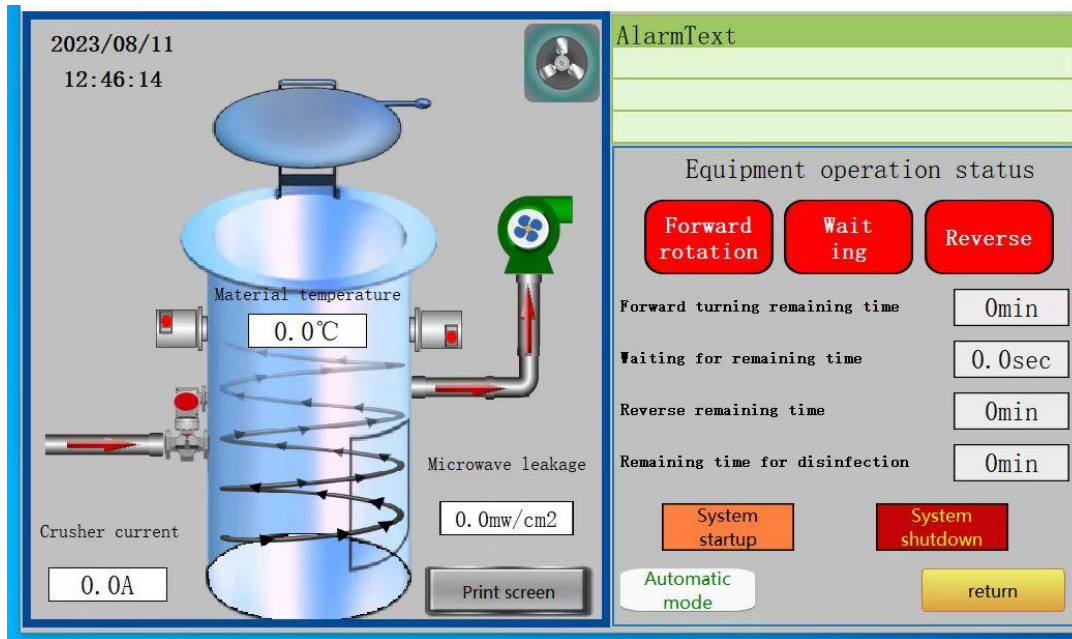
The medical waste treatment workstation is based on microwave disinfection, steam as a supplement to microorganisms undifferentiated disinfection. It can realize a series of operations from waste input, crushing, disinfection, pumping and discharging, etc. The treated waste can directly enter the domestic waste for power generation or burial.

The device is reserved for IoT big data interface, which is convenient for users to read data remotely and understand the real-time status of machine operation.



- ① **Heat sink:** For heat dissipation inside the machine;
- ② **PLC control :** touch LCD control panel, manual & automatic control use;
- ③ **Sterilization bin:** medical waste crushing and sterilization bin;
- ④ **Exhaust port:** Sterilization chamber gas is filtered and sterilized and then discharged;
- ⑤ **Sound and light alarms:** sound and light alarms for crusher, steam, microwave, hatch and other abnormalities;
- ⑥ **Electric control box:** switching machine power supply, communication interface, steam control, etc;
- ⑦ **Printer:** paper record of sterilization date, time, personnel and other information;
- ⑧ **Emergency stop button:** Emergency stop in abnormal conditions to protect the machine and personnel safety;
- ⑨ **Discharge bin:** After being crushed and sterilized, medical waste can be transferred directly to the discharge bin;
- ⑩ **Height adjustment:** liftable feet for leveling the ground in different environments.

Control System



- ◆ Large LCD touchscreen
- ◆ Real-time display of motion status
- ◆ Manual/automatic switching
- ◆ Fault & Abnormal Alarms
- ◆ Records are stored and readily available
- ◆ Intelligent IOT, remote control

Basic parameters

Type	Voltage (V)	Dimensions	Rating	Net Weight
YFXDG200	380V/50	2240 x 1640 x 1460 (1080) mm	14KW	< 1t
Crushing System	Power	Blade Quantity	Angular Velocity	材质
	5.5KW	>4	1200r/min	D550
Steam System	Power	Tank volume	Power of electric heater	vapor
	2KW	15L	6000h	1.5L/single
Sterilization system	Power	Microwave generator frequency	Quantity	Material
	> 3KW	2.450±0.01GHz	≥2 unit	304 stainless steel (upgradeable)

*Actual parameters are subject to change, please refer to the latest standard.



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