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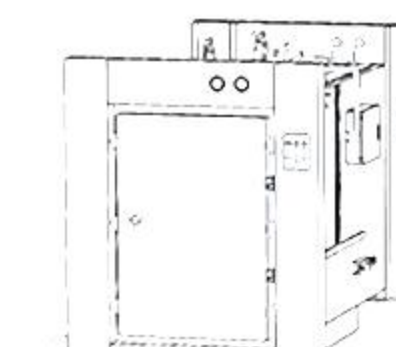
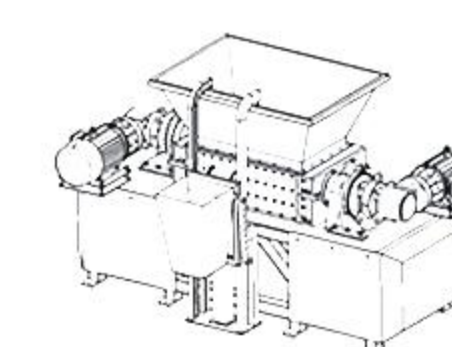


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MEDICAL WASTE DISPOSAL EQUIPMENT

Professional. Reliable. Problem Solving.
Customized Systems for Safe and Efficient Medical Waste Disposal



ABOUT US

关于我们

Since its establishment, the company has been focusing on the production and research and development of "medical environmental protection series equipment", and has carried out a lot of exploration work in the medical waste treatment industry. After nearly ten years of rapid development, it has also gained a lot of valuable experience. It has provided medical waste treatment equipment to countries around the world and served many hospitals, clinics, waste treatment centers and other institutions.

The company has a number of invention patents and utility model patents, and the key technologies of the products have formed independent intellectual property rights, thus ensuring the technical advantages of the company's products. The company has formed an overall solution for medical waste treatment, including automated medical waste treatment systems, steam sterilizers, crushers, incinerators, crushing and sterilization all-in-one machines, and steam supply systems.

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INTEGRATED MEDICAL WASTE STERILIZER AND SHREDDER



This product is a high-efficiency medical waste treatment equipment integrating "shredding, sterilization, and drying", specially designed for hospitals, laboratories, and medical institutions. It is suitable for processing solid-liquid mixed wastes such as infectious waste, sharps, infusion bottles/bags, etc. The equipment first crushes the waste into small pieces through the built-in crushing mechanism, and then sterilizes it with high-temperature steam.

The entire process runs in a fully enclosed manner: after being put into the feeding port, the waste does not require further human contact, featuring high efficiency and safety, and eliminating the risk of cross-contamination. It is an ideal choice for on-site treatment, volume reduction, and thorough harmless disposal of medical waste.



ADVANTAGE

- 1. Integrated Design for Efficient Treatment :** The equipment integrates crushing, sterilization, and drying functions, with a process flow of "crushing first, then sterilization". Its compact structure is suitable for various medical settings.
- 2. Fully Enclosed Operation for Zero-Contact Safety :** From feeding to final discharge, the entire treatment process is fully automatic and enclosed. Personnel do not need to contact medical waste, completely preventing secondary pollution and cross-infection.
- 3. Powerful Crushing System :** Equipped with a dual-shaft lower-mounted crushing mechanism, the split structure facilitates maintenance. Blades crush waste thoroughly through multiple actions such as shearing, tearing, and extrusion.
- 4. Intelligent Safety Door :** The cylinder-driven door automatically retracts when encountering resistance and locks automatically after closing. It remains sealed even during power outages, ensuring operational safety.
- 5. High-Efficiency Harmless Sterilization :** High-temperature and high-pressure steam sterilization is combined with a synchronous sterilization system for treated exhaust gas and wastewater, achieving comprehensive harmless treatment.
- 6. Corrosion-Resistant Stainless Steel Structure :** The machine body adopts a circular vertical stainless steel design. The inner cavity undergoes mechanical polishing and electrolytic passivation treatment, featuring a smooth, bright surface that is corrosion-resistant and easy to clean.
- 7. Intelligent Control System :** Equipped with a German SIEMENS PLC controller and a touchscreen human-machine interface, combined with high-precision sensing elements, it enables precise control and intelligent monitoring.
- 8. Complete Automatic Process :** Covering the entire process of feeding, crushing, heating, sterilization, cooling, drainage, and drying, the whole process is programmatically controlled without manual intervention.

Model	MCDS-150B	MCDS-300B	MCDS-300B	MCDS-500B	MCDS-1000B
Waste disposal capacity(each batch)	18kg~ 36kg	36kg~ 72kg	36kg~ 72kg	60kg~120kg	120kg~240kg
Chamber size	Φ800	Φ800	Φ800	Φ800	Φ1200
Installation area	2600*2000*2100	5500*3000*5000	5500*3000*3800	5500*3000*5400	5500*3400*5700
Power	60kw	85kw	85kw	90kw	130kw
water consumption	90	120	120	500	350
Steam consumption	30	60	60	100	200
Discharge method	side discharge	bottom discharge	side discharge	bottom discharge	bottom discharge

INTEGRATED MEDICAL WASTE STERILIZER AND SHREDDER



This product is a high-performance medical waste treatment equipment designed for various scenarios such as hospitals, centralized treatment stations, disease control centers, and laboratories. It integrates high-temperature steam sterilization, powerful crushing, and an automated feeding system. The equipment adopts a vertical chamber structure, equipped with a built-in electric steam generator, automatic water supply, and exhaust gas filtration system, ensuring fully enclosed operation for safety and efficiency.

It is supported by a dedicated chain-driven trash bin feeding device, which realizes automatic lifting and feeding after medical waste is packaged and placed, reducing the risk of manual contact and significantly improving work efficiency.



MCDS

ADVANTAGE

- 1. Multi-specification processing capacity:** It offers various models ranging from MCDS-200 to MCDS-1500, with processing capacity and sterilization power increasing accordingly. This meets the processing demands of units of different scales and also caters to special customized requirements.
- 2. Automatic chain feeding system:** Equipped with a feeding structure similar to that of garbage trucks, the waste, after being packed and placed in special trash bins, is automatically lifted to the feeding port by a chain drive and automatically dumped, saving labor and reducing cross-contamination.
- 3. Integrated closed processing flow:** integrating sterilization, crushing, drying and exhaust, the entire processing process is fully enclosed to prevent the spread of bacteria, making the operation safer and more environmentally friendly.
- 4. High-efficiency steam sterilization system:** Utilizing pulsating vacuum technology and saturated steam sterilization, it ensures thorough and uniform sterilization, meeting national and international medical waste treatment standards.
- 5. Top and bottom separated feeding and discharging design:** The top is equipped with an electric sliding feeding door in combination with a chain feeding system, while the bottom is fitted with a pneumatic discharging door. This design enables more efficient loading and unloading, making it suitable for large or mixed types of waste.
- 6. Intelligent temperature and pressure control system:** Real-time monitoring of the temperature and pressure in the chamber and jacket area, automatically regulating the processing cycle to ensure stable and reliable sterilization effect.
- 7. Heavy-duty Double-shaft Shear Crushing Unit:** Equipped with heavy-duty knife shafts and high-wear-resistant alloy blades, driven by low-speed and high-torque, it can easily crush all kinds of medical waste (glass, needles, fibers, plastics, etc.).
- 8. Intelligent anti-jamming and reverse protection:** When encountering foreign objects during crushing, it automatically reverses to prevent equipment failure, extend service life and improve processing efficiency.
- 9. Vacuum Drying and Energy-saving Operation:** The vacuum pump system is equipped to quickly dehumidify and dry, reducing the moisture content of the treated waste and lowering the cost of subsequent disposal.
- 10. High-efficiency biological gas filtration device:** The exhaust gas is purified through a high-precision 0.2μm filter core, with an interception efficiency as high as 99.999%, ensuring sterile discharge into the environment and safeguarding operational safety.
- 11. High-standard stainless steel structure:** The main structure of the equipment is all SUS304 stainless steel, which is corrosion-resistant, polished without dead corners, and meets the GMP cleaning and hygiene standards for medical equipment.

Model	MCDS-200	MCDS-400	MCDS-1000	MCDS-1500
Treatment Capacity each circle	20-30kg	60-100kgs	120-200kgs	180-300kgs
Temp.tolerance	±1.0℃	±1.0℃	±1.0℃	±1.0℃
Working temp Max	134℃	139℃	139℃	139℃
Machine size (L*W*H/mm)	1800*1300*1900	2000*1500*2050	2850*1900*2360	3000*2250*3100

INTEGRATED MEDICAL WASTE STERILIZER AND SHREDDER



This equipment integrates high-temperature sterilization and automatic crushing, specially designed for small medical units such as clinics and hospital departments. It supports the unclassified treatment of whole bags of medical waste and is applicable to common infectious wastes such as infusion sets, syringes, medicine bottles, gloves and cotton yarn.

With small floor space and high efficiency, it serves as an environmentally friendly and convenient on-site treatment solution for medical waste.

MCDS-30/50AS



ADVANTAGE

- 1. Compact size, easy to arrange:** The overall height of the machine is less than 1.3 meters, with a small footprint, making it flexibly suitable for places with limited space.
- 2. Integrated processing:** Supports whole-bag feeding, completing sterilization and crushing in one go without manual classification.
- 3. Low-noise operation:** The operating volume is controlled within 70 decibels, ensuring quiet operation without disturbing others.
- 4. Intelligent anti-blocking:** The high-torque crushing system is equipped with an automatic reverse function to ensure continuous operation.
- 5. Multiple safety protections:** Equipped with a safety switch, which stops immediately when the cover is opened to ensure operational safety.
- 6. Easy operation:** The interface is intuitive, requiring no professional background, making it easy to learn and use, and convenient to maintain.

Model	MCDS-30AS		MCDS-50AS
Power	1.5KW (crushing) + 3KW (high temperature sterilization)		
Voltage	single phase 220V 50HZ		
Sterilization temperature	+5~126℃ adjustable		
Sterilization tank volume	30L		50L
Number of crusher shafts	double shaft		
Shaft Speed Rpm	0~14		
Number of blades	14		
Processing capacity	5~10kg/h		10~20kg/h
Discharge size	15mm*60mm		
Range of materials handled	All medical waste other than metal utensils		
Machine weight (kgs)	480kgs		500kgs
Machine size (L*W*H/mm)	290*760*1220		

INTEGRATED MEDICAL WASTE STERILIZER AND SHREDDER



This product integrates high-temperature sterilization and powerful crushing functions. It is suitable for medical places such as hospitals and clinics, and performs harmless treatment on wastes like syringes, medicine bottles, infusion tubes and disposable items, effectively preventing illegal recycling and the spread of pollution.

Two shaft



Pre-treatment

Post-treatment

Four shaft



Pre-treatment

Post-treatment



ADVANTAGE

- 1. Integrated processing flow:** First, high-temperature sterilization (with a 99.99% inactivation rate) is performed, followed by automatic crushing. The entire process is enclosed, ensuring safety and environmental friendliness.
- 2. Optional dual-shaft / four-shaft cutters:** The four-shaft version is suitable for large-volume or structurally complex wastes, enabling more thorough crushing.
- 3. 75L processing capacity:** Efficiently completes sterilization and crushing, with a volume reduction rate of up to 60%.
- 4. Intelligent anti-jamming technology:** High torque combined with an automatic reverse system effectively handles complex wastes and ensures stable operation.
- 5. Mute design:** Operating noise is below 70 decibels, making it suitable for quiet environments such as hospitals.
- 6. Multiple safety protections:** Safety switches are installed at key parts, and the machine stops immediately when the door is opened to ensure the safety of operators.
- 7. Compact design with small footprint:** Its compact structure adapts to narrow spaces, allowing flexible installation and deployment.
- 8. Touch operation, simple and easy to use:** The interface is user-friendly, supports multiple languages, is easy to get started with, and convenient to maintain.

Model	MCDS-75AS-4 Shafts	MCDS-75AS-Dual Shafts
Waste disposal volume	0.12-0.2kg/L	
Power	4kW+4kW	4kW
Shaft Speed	20 RPM	20 RPM
Rotor-Knives Number	44Pcs	12Pcs
Shaft Number	4	2
Sterilization Temperature	105-134°C adjustable	
Heat Preservation Time	1-999 min	
Chamber Volume	75L	
Microbial Inactivation	99.99%	
Over Pressure Release	≤0.23 Mpa	/
Machine size (L*W*H/mm)	1670*960*1560	1400*860*1500

INTEGRATED MEDICAL WASTE STERILIZER AND SHREDDER



This product integrates high-temperature and high-pressure steam sterilization with crushing functions, completing the entire processing procedure in a closed container. It effectively controls infection risks and ensures environmental safety.

Suitable for hospitals, clinics and medical waste treatment centers, it boasts advantages such as automation, high safety and a small footprint.



ADVANTAGE

- 1. One-stop fully enclosed processing:** Sterilization and crushing are completed in the same container, avoiding the spread of pollution and achieving sterility and harmlessness.
- 2. Maximum volume reduction rate of 80%:** Significantly reduces the volume of waste, and the treated waste can be safely disposed of as ordinary domestic waste.
- 3. Compatible with all clinical wastes:** Various infectious medical wastes (such as syringes, medicine bottles, dressings) can be processed into unrecognizable inert waste.
- 4. No need for external transportation, eliminating secondary pollution:** Processing can be completed within medical institutions, reducing the risks of transportation and infection hazards.
- 5. Compact structure, flexible deployment:** Small footprint, low requirements for infrastructure, suitable for places with limited space.
- 6. Fully automatic operating system:** Simple operation, low learning difficulty, saving labor and improving processing efficiency.

Model	MCDS-80
Chamber volume	80L
Treatment Capacity each circle	10-15kgs
Power	27KW
Machine size (L*W*H/mm)	1650*1100*1230

ENCLOSED MEDICAL WASTE SHREDDER



This product is a medical waste crushing device with a compact structure and strong applicability, specially designed for places such as hospital departments and small clinics. It is suitable for crushing common medical wastes like syringes, blood bags, dialyzers, plastics, and glass.

The device is energy-efficient and highly effective. After crushing, the volume can be reduced by approximately 85%, which significantly saves storage and transportation space and costs. It is an ideal solution for on-site treatment of medical waste.



Pre-treatment



Post-treatment

ADVANTAGE

- 1. Efficient crushing:** Equipped with high-strength alloy steel blades and a bidirectional rotation design, it is wear-resistant and impact-resistant, capable of handling various hard wastes.
- 2. Space-saving:** It occupies only about 0.5–0.6 cubic meters. With built-in heavy-duty casters, it is easy to move flexibly in narrow spaces.
- 3. Easy operation:** The control panel is intuitive and clear, allowing users to get started after only a few minutes of training. It has functions such as one-key start, stop, reverse rotation and disinfection.
- 4. Multiple safety protections:** The feed chute is equipped with a safety switch, which automatically cuts off the power when the cover is opened by mistake to prevent misoperation. It is also equipped with multiple safety protection mechanisms such as an emergency stop button, automatic reverse rotation to prevent jamming, overvoltage, overcurrent and leakage protection.
- 5. Pollution-free operation:** Adopting a fully enclosed design, it operates with low noise. It is equipped with an observation window for easy monitoring, prevents the spread of peculiar smells, and ensures a clean working environment.

Model	PNSS-220MW
Feeding size(mm)	300*280
Export Size (mm)	300*160
Power	1.5Kw
Voltage	1P—220V—50Hz
Capacity(kg)	80~150
Cutting Chamber size(mm)	300*280
Crushing Way	Low Speed Double Shaft
Cutting Knives Diameter(mm)	Φ170
Cutting Knives Thickness(mm)	15
Shaft Speed(Rpm)	10
Final Product Size (mm)	15
Machine Weight(kg)	350
Noise(dB)	≤65
Machine size (L*W*H/mm)	760*630*1200

ENCLOSED MEDICAL WASTE SHREDDER



This product is a high-performance medical waste shredding equipment integrating single-axis and dual-axis technologies, specially designed to meet the diverse waste disposal needs of pharmaceutical factories, hospitals, clinics and other institutions.

The equipment is equipped with a dual-cavity structure, which can handle soft and hard wastes separately, realizing precise classified crushing and improving processing efficiency and safety.



Double Shaft



Single Shaft
(For shredding glass-based medicines)

ADVANTAGE

- 1. Dual-cavity classification structure:** Equipped with two independent left and right shredding cavities, which can operate synchronously or independently to efficiently classify and process different types of medical waste.
- 2. Single-axis + dual-axis combined design:** The left cavity is a single-axis, suitable for soft and fibrous waste; the right cavity is a dual-axis structure, capable of crushing hard packaging, glass, plastic containers and other complex materials.
- 3. Intelligent touch control system:** Adopts an integrated touch screen operation interface, supporting real-time parameter adjustment, operation status monitoring and abnormal alarm, with simple operation, precision and high efficiency.
- 4. Humanized dual-feed inlet design:** The feeding configuration corresponding to the dual-cavity structure facilitates classified feeding and collection, effectively improving work efficiency and keeping the site clean.
- 5. Low-speed and high-torque drive:** The high-torque motor ensures continuous and stable crushing, adapts to high-intensity continuous operation, with low vibration and low noise during operation.
- 6. Anti-backlash feeding structure:** The special design of the feeding channel prevents material splashing or rebounding, fully ensuring the safety of operators.
- 7. Intelligent reversal and environmental protection operation:** Automatically reverses when encountering foreign objects to prevent jamming and shutdown; the whole machine operates in a sealed manner, with low dust, low noise and no splashing, meeting environmental protection requirements.

Model	PNSS-250MW
Feeding size(mm)	315*250 & 245*210
Power	2.2Kw
Voltage	3P—380V—50Hz
Capacity(kg)	80~120
Cutting Chamber size(mm)	320*160 & 200*200
Crushing Way	Double Shaft+ Single Shaft
Cutting Knives Diameter(mm)	Φ170
Cutting Knives Thickness(mm)	15
Shaft Speed(Rpm)	25
Final Product Size (mm)	15*60 (Strip Type)
Machine Weight(kg)	500
Noise(dB)	≤75
Machine size (L*W*H/mm)	1000*650*1200

ENCLOSED MEDICAL WASTE SHREDDER

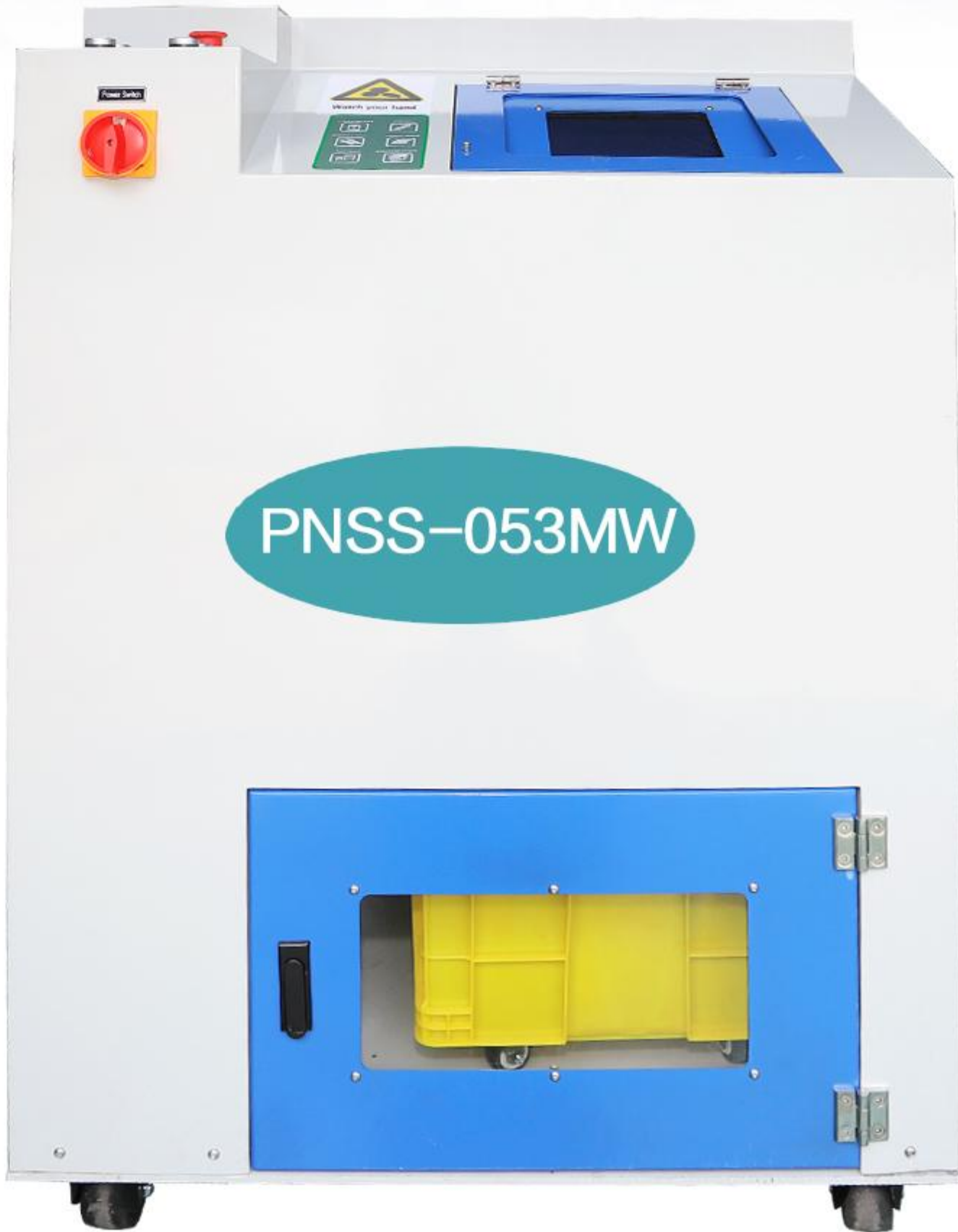


This product is a small medical waste treatment equipment integrating high-efficiency crushing and ultraviolet disinfection functions. It adopts low-speed and high-torque drive, combined with a dual-axis cutting structure, which can quickly crush various medical wastes such as syringes, medicine bottles, catheters, and glass containers into fragments smaller than 50mm, effectively reducing volume and facilitating subsequent treatment.

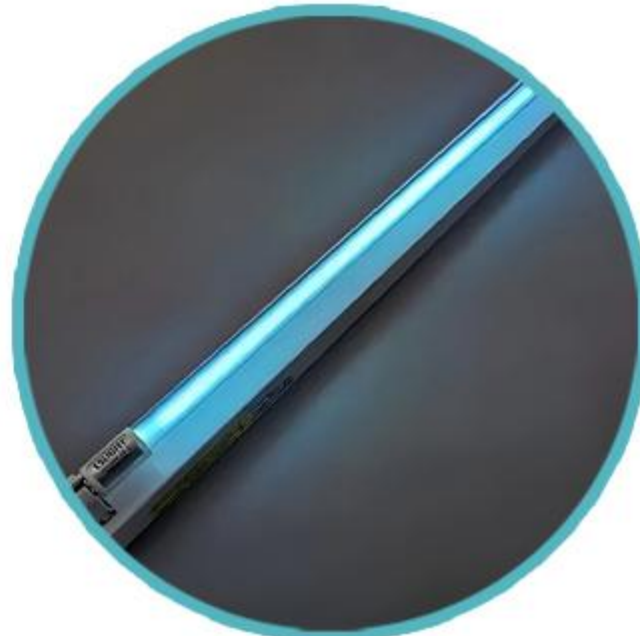
At the same time, the equipment is equipped with a built-in ultraviolet disinfection module to achieve synchronous sterilization and avoid secondary pollution. With a compact structure, it is suitable for space-constrained scenarios such as hospital departments, laboratories, and clinics.

ADVANTAGE

- 1. Versatile waste compatibility:** Suitable for crushing common medical wastes such as vials, ampoules, saline tubes, syringes, and blister packs, as well as handling daily wastes like plastics, papers, and rubbers.
- 2. Low-speed and high-torque technology:** Operates stably with low noise and little dust, making it particularly suitable for indoor medical environments.
- 3. Ultraviolet disinfection system:** Synchronously sterilizes during the crushing process, enhancing processing safety and protecting public health.
- 4. Intelligent safety protection:** Equipped with multiple safety functions including overload protection, short-circuit protection, power-off when door is opened, emergency stop, and reversal, ensuring safer operation.
- 5. Flexible mobile design:** Equipped with high-strength casters at the four corners, facilitating movement and use in different areas and improving work convenience.
- 6. Compact and space-saving:** Covers an area of less than 0.5 square meters, suitable for medical places with limited space.



Double Shaft



UV disinfection

Model	PNSS-053MW
Feeding size(mm)	300*400
Capacity(kg)	200~300
Cutting Chamber size(mm)	450*500*400
Power(kw)	3
Voltage	3P—380V/Optional
Cutting knives number(pcs)	18~24
Cutting Knives Thickness(mm)	15
Shaft Speed(Rpm)	25
Final Product Size (mm)	8~15
Machine Weight(kg)	500
Machine size (L*W*H/mm)	860*960*1300

ENCLOSED MEDICAL WASTE SHREDDER

This product is a high-efficiency medical waste crushing equipment specially designed for hospital departments, clinics, and small medical institutions. It features an advanced four-shaft blade structure, with each shaft equipped with 11 high-strength alloy cutters, providing stronger shearing capacity and finer crushing results.

The equipment supports whole-bag feeding without pre-sorting, enabling it to process various soft and hard medical wastes in one go, such as syringes, infusion tubes, masks, cotton swabs, gloves, and plastic bottles, effectively improving the efficiency and safety of medical waste treatment.



Four Shaft



ADVANTAGE

- 1. Four-shaft powerful crushing structure:** Designed with double moving blades and double fixed blades, it has stronger shearing force, adapts to complex and diverse types of medical waste, and meets the needs of high-frequency use.
- 2. No need for classified treatment:** Supports whole-bag feeding, saving manual sorting steps, avoiding direct contact between operators and contaminated waste, and improving work efficiency and safety.
- 3. High compression ratio, cost-saving:** The volume of waste after crushing is reduced by about 70%, effectively reducing storage pressure and lowering transportation frequency and costs.
- 4. Compact, flexible and easy to install:** The overall height of the machine is only 1.4 meters, with a small footprint, and can be flexibly placed in narrow spaces such as inside hospitals and waste temporary storage rooms.
- 5. Mute and environmental protection design:** The operating noise is controlled below 70 decibels, suitable for continuous operation in medical environments without interfering with normal diagnosis and treatment activities.
- 6. Intelligent control and safety protection:** The feed inlet is equipped with lid-opening stop protection to prevent misoperation; the control panel has a simple interface and intuitive operation, facilitating daily use and maintenance.

Model	PNSS-500F
Power	4kw+4kw
Voltage	Three-phase 380V/customizable
Processing capacity	100~150L/h
Number of blades	44
Number of equipment axes	4
Crushing box size	550*400mm
Output size	<15*20mm
Complete machine weight	1200kg
Machine size (L*W*H/mm)	1100*960*1530

ENCLOSED MEDICAL WASTE SHREDDER

This medical waste shredder is a compact, energy-efficient, and multi-functional crushing device, widely used in hospitals, laboratories, and other facilities. It can easily shred medical waste, discarded testing materials, waste experimental materials, and other conventionally hard-to-handle wastes, effectively reducing the volume of waste and facilitating subsequent treatment or harmless disposal.

The equipment is equipped with a closed stainless steel hopper and a top observation window, ensuring a safe and clean crushing process and preventing the spread of pollution.



ADVANTAGE

- 1.Enclosed Hopper Design:** The stainless-steel enclosed hopper prevents dust leakage during the crushing process. It is equipped with a viewing window on the top for easy monitoring and operation.
- 2. Ergonomic Lid Structure:** The feed inlet cover is fitted with a push rod, allowing effortless opening of the upper lid during unloading. This design enables convenient operation even at elevated positions.
- 3. Compact Size, Energy-Efficient:** With a small footprint and low power consumption, it is suitable for various environments.
- 4. Robust and Durable Construction:** The machine features a compact design and stable operation, making it suitable for continuous long-term use.
- 5. Low Noise, Low Energy Consumption:** The optimized motor and transmission system reduce operational noise and energy usage, enhancing workplace comfort.
- 6. High-Performance Blades:** Utilizes imported high-quality alloy steel blades with excellent hardness, toughness, wear resistance, and impact resistance for extended service life.
- 7. Strong Corrosion Resistance:** The exterior is treated with reinforced powder coating, combining aesthetic appeal with exceptional corrosion resistance.
- 8. Automatic Turning Function:** Equipped with an automatic material-turning and cleaning function to effectively prevent material jams and excessive blade wear.

Model	PNSS-300
Motor Power	4KW
Working Voltage	380V/50Hz/3 Phase or Customized
Treatment capacity	150-300kgs(depending on the material situation)
Rotor-Knives	Thickness: 25mm or customized, diameter: 170mm
Shaft Speed	18-20 RPM
Rotor-knives Number	12Pcs
Chamber Size	300*320mm
Hopper size	630*630mm
Noise	≤70 db when empty running
Net weight	600kgs
Machine size (L*W*H/mm)	1200*830*1580

ENCLOSED MEDICAL WASTE SHREDDER



This product is specially designed for handling high-intensity and complex medical waste. It adopts a dual-axis cutting structure, with precise cooperation between moving and fixed blades, which can efficiently crush solid wastes such as glass and metal, significantly reduce the volume, and facilitate storage, transportation and subsequent treatment.

The PNSS-400 is equipped with a 7.5kW motor, while the PNSS-500 is upgraded to dual 4.5kW motors, which is suitable for larger processing loads and meets the needs of different scenarios.



ADVANTAGE

- 1. Closed Hopper Design:** Features a sealed lid and observation window to effectively prevent splashing and ensure operational safety.
- 2. Efficient Storage System:** Crushed waste automatically falls into a mobile storage cart, avoiding contamination and facilitating subsequent removal.
- 3. Corrosion-Resistant Stainless Steel Structure:** Suitable for mixed waste containing blood, medical fluids, etc., easy to clean and durable.
- 4. High-Strength Blade System:** D2 alloy steel blades, wear-resistant and corrosion-resistant, can be reground for reuse with simple maintenance.
- 5. Dual-Shaft Powerful Drive:** Operates at low speed with high torque, ideal for large-scale centralized processing, improving efficiency and reducing wear.
- 6. Intelligent Safety Protection:** Equipped with emergency stop and automatic reversal functions to effectively prevent jams and motor overload.
- 7. Customization Support:** Configurations such as extended hoppers can be tailored to specific requirements, flexibly adapting to different application environments.

Model	PNSS-400	PNSS-500
Motor power	7.5KW	4.5KW+4.5KW
Blade thickness	20mm	20mm
Blade quantity	Rotating blade: 19sets Stationary Blade:19sets	Rotating blade: 25setsStationary Blade: 25sets
Shredding chamber	510*400mm	510*500mm

ENCLOSED MEDICAL WASTE SHREDDER

The PNSS-200BL series crushers are specifically designed for processing waste glass containers such as medical glass bottles (e.g., ampoules, vials), beer bottles, and medicine bottles. Equipped with high-strength alloy blades, they can crush glass bottles into small particles of 8-20 mm (the Plus version can achieve particles <10 mm). This effectively reduces the volume, improves storage and transportation efficiency, and helps medical institutions achieve waste reduction, safety, and resource-based treatment.

The equipment adopts a safe enclosed structure and combines low-speed or high-speed single-shaft crushing technology, which can prevent glass splashing and control dust, ensuring a clean operating environment and personnel safety. With simple operation and low energy consumption, it is suitable for hospital departments, laboratories, pharmaceutical factories, and various medical waste treatment stations.

ADVANTAGE

- 1. Efficient Volume Reduction:** The volume of glass bottles is reduced by up to 80% after crushing, significantly improving storage and transportation efficiency.
- 2. High-Strength Alloy Cutting Tools:** Made of imported alloy steel, they feature excellent hardness, toughness, and impact resistance, extending service life.
- 3. Intelligent Protection System:** Equipped with emergency stop function, leakage protection, overvoltage and overcurrent protection, and low-voltage control interface, ensuring safer operation.
- 4. Fully Enclosed Dust-Proof Design:** No dust leakage during operation, preventing pollution and accidental injury, and ensuring the safety of surrounding personnel and the environment.
- 5. Automatic Reversal Function:** If a bottle gets stuck during crushing, it will automatically reverse to release the stuck bottle, avoiding motor damage.
- 6. Low-Noise Operation:** The Z-type feeding chute and thickened cover plate, along with multi-layer protection, effectively block glass splashing and keep the operating noise low.
- 7. CE-Certified Electrical Components:** The electrical system has passed CE standard certification, with stable performance and a long service life.
- 8. Optional High/Low Speed:** The PNSS-200BL adopts a low-speed single-shaft design, ensuring stable crushing, large torque, and low failure rate; the PNSS-200BL Plus is upgraded to a high-speed single-shaft structure with a rotation speed exceeding 1000 rpm, offering higher crushing efficiency and finer particles.
- 9. Customizable Options:** Particle size, crushing chamber size, or integrated dust removal system can be custom-made according to non-standard requirements.



Model	PNSS-200BL plus	PNSS-200BL
Power	1.5kw	1.5kw
Voltage	220V 50Hz	220V 50Hz
Output size	Powder below 10mm	8~20mm
Machine weight	100-200 normal bottles/h	3000-5000<20m small bottles/h
Feed port size	150kg	170kg
Processing power	Diameter 160mm	250*250mm
Machine size (L*W*H/mm)	650*650*1200mm	600*600*1000mm

ENCLOSED MEDICAL WASTE SHREDDER



In the field of medical waste management, efficient and safe disposal methods are crucial for environmental responsibility and personnel health.

The PNSS medical gypsum waste crusher, specifically designed to handle hard and sticky medical waste (such as gypsum waste), integrates advanced low-speed dual-shaft crushing technology with a user-friendly structural layout. It helps medical institutions achieve on-site, efficient, clean, and environmentally friendly waste disposal.



ADVANTAGE

- 1. High-strength wear-resistant cutter components:** Equipped with professional wear-resistant cutters, suitable for various hard or sticky medical wastes, enabling uniform, efficient and fine crushing.
- 2. Low-speed dual-shaft crushing technology:** Adopting a low-speed, high-torque dual-shaft design, it ensures strong crushing performance while reducing energy consumption. It is especially suitable for users with limited budgets who pursue high efficiency and durability.
- 3. Adjustable feed inlet design:** Adapts to gypsum wastes of different lengths to avoid material jamming. It is also equipped with a safety closed cover to prevent splashing, meeting the high hygiene standards of the medical industry.
- 4. Built-in lighting and visible window:** Facilitates real-time monitoring of the crushing status. Combined with seamless docking with the material receiving cart, it simplifies the cleaning and transportation process, improves operation efficiency, and reduces the labor intensity of staff.
- 5. Intelligent automatic reversal function:** When foreign objects get stuck, the system automatically reverses to release the blockage, ensuring the continuous and stable operation of the equipment and avoiding manual intervention.
- 6. Compact floor space design:** Only about 8 square meters of space is needed to complete the entire operation process, saving layout space. The operating noise is lower than 65 dB, making it particularly suitable for medical environments with limited space such as hospitals and clinics.

Model	PNSS-300	PNSS-400
Motor power	5.5KW	7.5KW
Blade thickness	20mm	20mm
Blade quantity	Rotating blade: 15sets; Stationary Blade: 15sets	Rotating blade: 20sets; Stationary Blade: 20sets
Shredding chamber	510*300mm	510*400mm

ENCLOSED MEDICAL WASTE SHREDDER



This device is specifically designed for the safe disposal of medical waste. It can efficiently crush hazardous or non-infectious medical wastes such as syringes, surgical blades, infusion bottles, blood bags, gloves, and catheters, breaking them into unrecognizable fragments. This prevents reuse and ensures medical safety.

It is suitable for hospitals, clinics, and centralized processing centers. The device can be used independently or in conjunction with high-temperature sterilizers and incineration equipment, providing flexible solutions for various medical waste management scenarios.



ADVANTAGE

- 1. Efficient crushing system:** Featuring a dual-shaft structure and equipped with wear-resistant alloy blades, it can powerfully crush various types of medical waste.
- 2. Fully enclosed operation:** Adopting a closed structure, the processing process is free of dust, odor and low in noise, ensuring personnel safety.
- 3. Sturdy and durable:** The shell is made of 5mm stainless steel, and the cutter can be sharpened repeatedly for reuse, with corrosion resistance and easy maintenance.
- 4. Automated design:** Equipped with an automatic feeding system, and provided with safety devices such as emergency stop, material jamming reversal and overheating protection, which complies with CE and ISO standards.
- 5. Flexible discharge control:** The particle size is adjustable, and it supports screw conveying and special material receiving devices for convenient subsequent processing.
- 6. Stable and quiet:** Driven by a low-speed motor, it operates stably with low noise, suitable for long-term use in medical environments.
- 7. Strong compatibility:** The crushing chamber can accommodate the disposal of garbage bags, suitable for handling wet waste after sterilization, preventing the spread of pollution during movement.

Model	PNSS-600	PNSS-800	PNSS-1000
Shredder Motor Powel	7.5+7.5	11+11	18.5+18.5
Shredding Chamber Size	510×600	600×800	800×1000

ENCLOSED MEDICAL WASTE SHREDDER



This product is a small-sized slow-speed shredder specially designed for medical institutions. It is suitable for destroying expired, deteriorated, or contaminated medicines, empty glass bottles, and other pharmaceutical solid wastes. Through efficient shredding, the device significantly reduces the form and volume of wastes, providing convenient conditions for subsequent harmless treatment.

It features safe operation and stable performance, making it particularly suitable for scenarios such as hospital departments, pharmaceutical company laboratories, and other places where waste medicines need to be disposed of. It effectively improves processing efficiency and reduces operational costs.



ADVANTAGE

- 1. Quiet and environmentally friendly:** Adopting a double-layer sound-insulating cabinet and a fully enclosed structure, it operates with low noise, no dust, and no peculiar smell, ensuring the health of operators and a clean working environment.
- 2. Efficient cutter system:** Equipped with S-type special steel knives with strong shearing force, it can achieve uniform particle output without a screen design, generating little dust and delivering excellent shredding performance.
- 3. Intelligent energy-saving control:** Built-in timer allows presetting of automatic start and stop times, effectively saving energy and adapting to daily operation needs.
- 4. High-performance drive:** Configured with a pure copper core motor, it provides stable power and high energy efficiency ratio, ensuring continuous operation.
- 5. Visual operation:** A glass observation window is provided for convenient real-time checking of shredding effects, enhancing controllability.
- 6. Flexible mobility:** Equipped with universal wheels with brake devices at the bottom, it is easy to move and stable in positioning, facilitating switching between different work areas.
- 7. Convenient maintenance:** The cabinet adopts a buckle design, which can be easily opened for daily cleaning and maintenance, reducing equipment downtime.
- 8. Intelligent protection system:** Equipped with an automatic reverse function in case of overload, effectively clearing material blockages; in case of abnormal conditions, the equipment will automatically shut down and give an alarm prompt to ensure operational safety.

Model	PNSS-1100MW	PNSS-1500MW	PNSS-2200MW	PNSS-3700MW	PNSS-3700MW plus
Motor Power	1.1Kw	1.5Kw	2.2Kw	3.7Kw	3.7Kw
Rotating Speed	23 Rpm				
Quantity of Rotating Blades (Pineapple knife)	3Pcs	3Pcs	4Pcs	4Pcs	4Pcs
Quantity of Fixed Blades (Edge Knife)	6Pcs	6Pcs	8Pcs	8Pcs	8Pcs
Quantity of S Blades	2Pcs	2Pcs	3Pcs	3Pcs	3Pcs
Inlet size (L×W)	250×240mm	315×315mm	420×315mm	430×380mm	475×380mm
Crushing Capacity	15-20 (Kg/h)	20-25 (Kg/h)	25-30 (Kg/h)	30-35 (Kg/h)	35-40 (Kg/h)
Weight	205Kg	275Kg	315Kg	350Kg	410Kg
Machine size (L*W*H/mm)	900×450×1200	1100×500×1480	1200×500×1560	1200×550×1560	1250×550×1600

MEDICAL WASTE AUTOCLAVE

The LS-V series utilizes high-temperature saturated steam sterilization technology. Through multiple pulsating vacuums, it thoroughly expels air from the chamber, enabling steam to penetrate deep into fabrics, lumens, rubber materials, and liquid surfaces. This ensures the complete elimination of various microorganisms and spores.

It is widely applied in fields such as hospitals, pharmaceutical industries, and biological laboratories, providing reliable sterilization solutions for environments with strict hygiene and safety requirements.

ADVANTAGE

- 1. Intelligent control:** Equipped with a microcomputer touch control system, it enables one-button startup and automatically completes the entire process of sterilization, exhaust, and drying.
- 2. Precise monitoring:** Real-time display of temperature, pressure, operating status, and fault information, making the operation clear at a glance.
- 3. Multiple preset programs:** Supports multi-mode sterilization for tools, fabrics, lumens, rubber, liquids, etc., including BD tests and vacuum leak detection.
- 4. Powerful vacuum system:** Built-in vacuum pump with three-speed pulsating vacuum, achieving a vacuum degree of up to -0.090 MPa for thorough air exhaust.
- 5. Efficient steam supply:** Integrated steam generator enables rapid temperature rise, ensuring sterilization efficiency and cleanliness.
- 6. Excellent drying performance:** Adopting vacuum drying technology, the drying rate of fabrics is less than 1% and that of instruments is less than 0.1%, delivering outstanding results.
- 7. Sterile air filtration:** Equipped with a 0.22μm high-efficiency filter to prevent secondary contamination of air after sterilization.
- 8. Data traceability:** Built-in micro printer automatically records the entire sterilization process and alarm information for easy archiving.
- 9. High-quality chamber material:** The chamber is made of SUS304 stainless steel, with an option of medical-grade 316L, featuring high temperature resistance, corrosion resistance, and strong durability.



Model	LS-50V	LS-80V	LS-100V	LS-120V	LS-150V
Volume (L)	50L	80L	100L	120L	150L
Sterilization chamber size (Φ×L)	Φ316×667	Φ386×695	Φ386×860	Φ450×760	Φ500×780
N.W.(Kg)	75Kg	85Kg	100Kg	158Kg	210Kg
Power	220V 50Hz 3 Kw	220V50Hz 4.5Kw	220V 50Hz 5.4Kw	380V 50Hz 7.2Kw	380V 50Hz 9.3Kw
Machine size (L*W*H/mm)	580×636×990	630×710×1030	630×710×1295	700×780×1190	780×850×1180

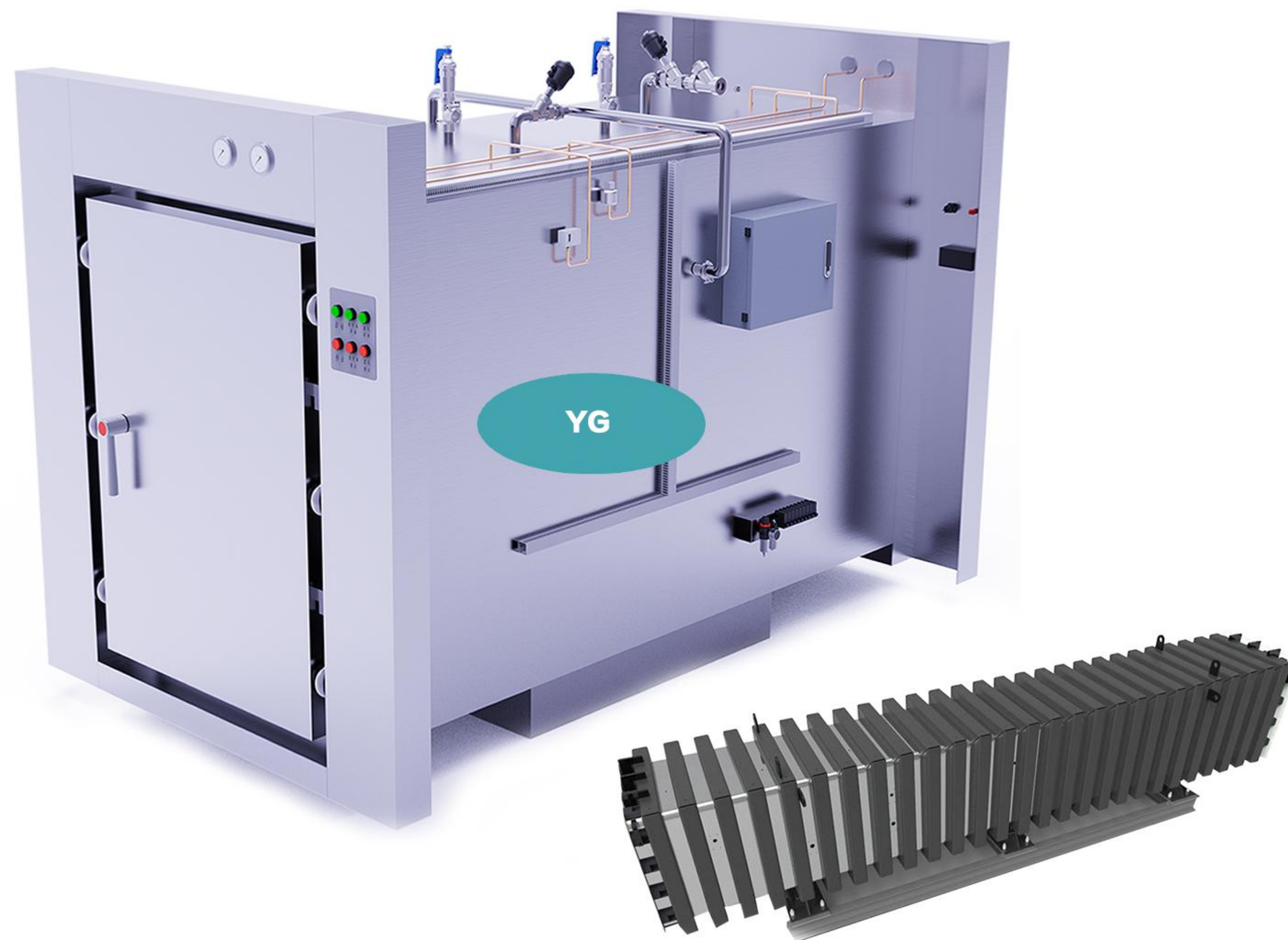
MEDICAL WASTE AUTOCLAVE

 **PLAY**

The most cost-effective and environmentally friendly solution for medical waste in large, medium and small hospitals.

The Steam sterilizers are designed to withstand high-pressure steam and high temperatures, and use steam as a heating medium to destroy the uniqueness of microorganisms and bacteria. The chamber design minimizes dead space for optimal loading and throughput.

After the autoclave process, the waste is compacted and sent to a landfill or waste-to-energy facility. As the waste has been shown to be non-infectious, it is safe to dispose of with other ordinary waste.



○ 灭菌程序 Sterilization Procedure



ADVANTAGE

1.Control System Configuration: The control system adopts PLC, touch screen plus micro printer configuration, and optional DCS remote background monitoring system.

2.Main Body Structure and Materials: The main body is composed of two layers of inner liner and jacket, stainless steel cavity, and aluminum silicate wool is used as insulation material.

3.Sealing Strip Characteristics: The sealing strip is made of high quality silicone rubber, high temperature resistance and long service life.

4.Data Functions and Traceability: With perfect data recording, printing, saving function, time and pressure graph. Production process and program control can be traced.

5.Operation and Management Authority: There are strict operation and management authority, with three-level password control, respectively for operators, process personnel and management personnel.

6.Temperature Monitoring Setup: Each chamber is equipped with a temperature probe for monitoring the chamber and product temperature.

7. Chamber Volume and Customization: The chambers range from 1200 to 10000 l, but the loading capacity is fully customizable according to the customer's needs.

Model	YG-1.2	YG-2.5	YG-5.0	YG-8.0	YG-10
Chamber Size(mm)	1500*750*1100	3000*750*1100	3400*1000*1500	5400*1000*1500	6700*1000*1500
Power	3	4.5	7.5	7.5	10
Loading Capacity(T/Day)	1	2	5	7	8
Machine size (L*W*H/mm)	1695*1370*1960	3195*1370*1960	3635*1800*2200	5635*1800*2200	6935*1800*2200

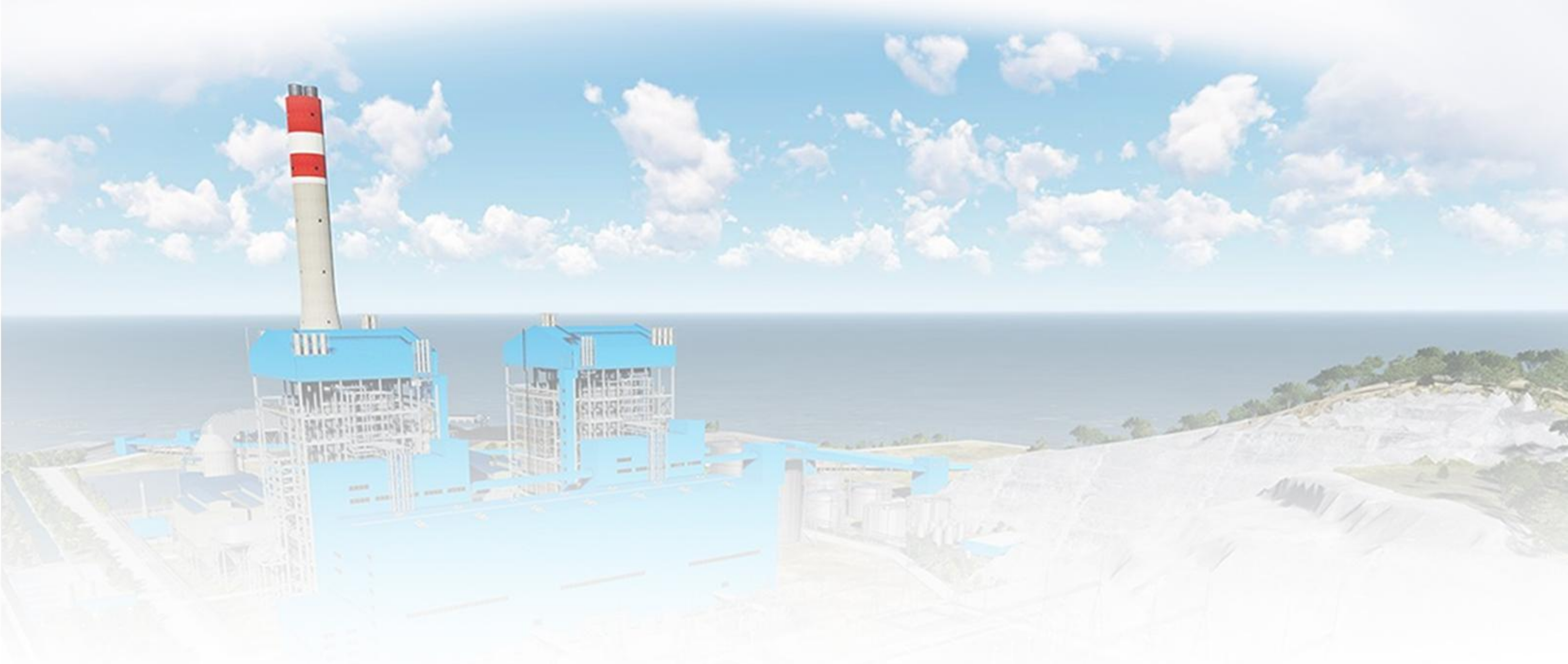
STEAM GENERATOR BOILER

Electric heating boiler takes electric power as energy and converts electric energy into heat energy. In the process of energy transformation, it does not need to provide the air and fuel needed for combustion, so it will not discharge exhaust gas, waste residue, waste material, etc., which fully conforms to the requirements of the national environmental protection policy.

The thermal efficiency of electric heating boiler is nearly 99%, the operation is quiet, clean, in line with the requirements of environmental protection, and it will not emit NOx (nitrogen oxygen compounds) to the atmosphere. The electric boiler thus saves the energy consumption, achieves the purpose of environmental protection and energy saving.



Model	W-0.05-0.7 LDR	W-0.06-0.7 LDR	W-0.08-0.7 LDR	W-0.1-0.7 LDR	W-0.125-0.7 LDR	W-0.15-0.7 LDR	W-0.2-0.7 LDR	W-0.3-0.7 LDR	W-0.5-0.8 LDR
Rated evaporation(kg/h)	50	60	80	100	125	150	200	300	500
Saturated steam temperature(℃)	170	170	170	170	170	170/193	170/193	170/193	184/193
Input power(KW)	36	40	54	72	90	108	144	216	360
Rated voltage(V)	3N AC 50Hz 380V								



OIL/GAS STEAM BOILER

Oil/Gas Steam Boiler-water tube structure, fire tube structure, vertical three-pass and shell type. The vertical structure is compact and occupies a small area. Fast start-up speed, reduce the heat loss when the boiler starts up preheating and shutdown. After full combustion of flame, each part of flue gas through three times of reflux heat transfer, thermal efficiency greatly improved. The boiler has contoller protection and automatic recovery of the contactor to prevent electric shock function. It also has dual anti reflux and exhaust heat protection devices, strengthen the safety function.

Model		W-0.1-0.7 YQ	W-0.2-0.7 YQ	W-0.3-0.7 YQ	W-0.5-0.7 YQ
Rated evaporation(kg/h)		100	200	300	500
Saturated steam temperature(℃)		170	170	170	170/193
Fuel consupcion	Light diesel oil(kg/h)	6.8	14	21	35
	Natural gas(Nm³/h)	7	16	24	40
	LPG(Nm³/h)	3	6	9	15
	City gas(Nm³/h)	18	34	51	85

MEDICAL WASTE INCINERATOR

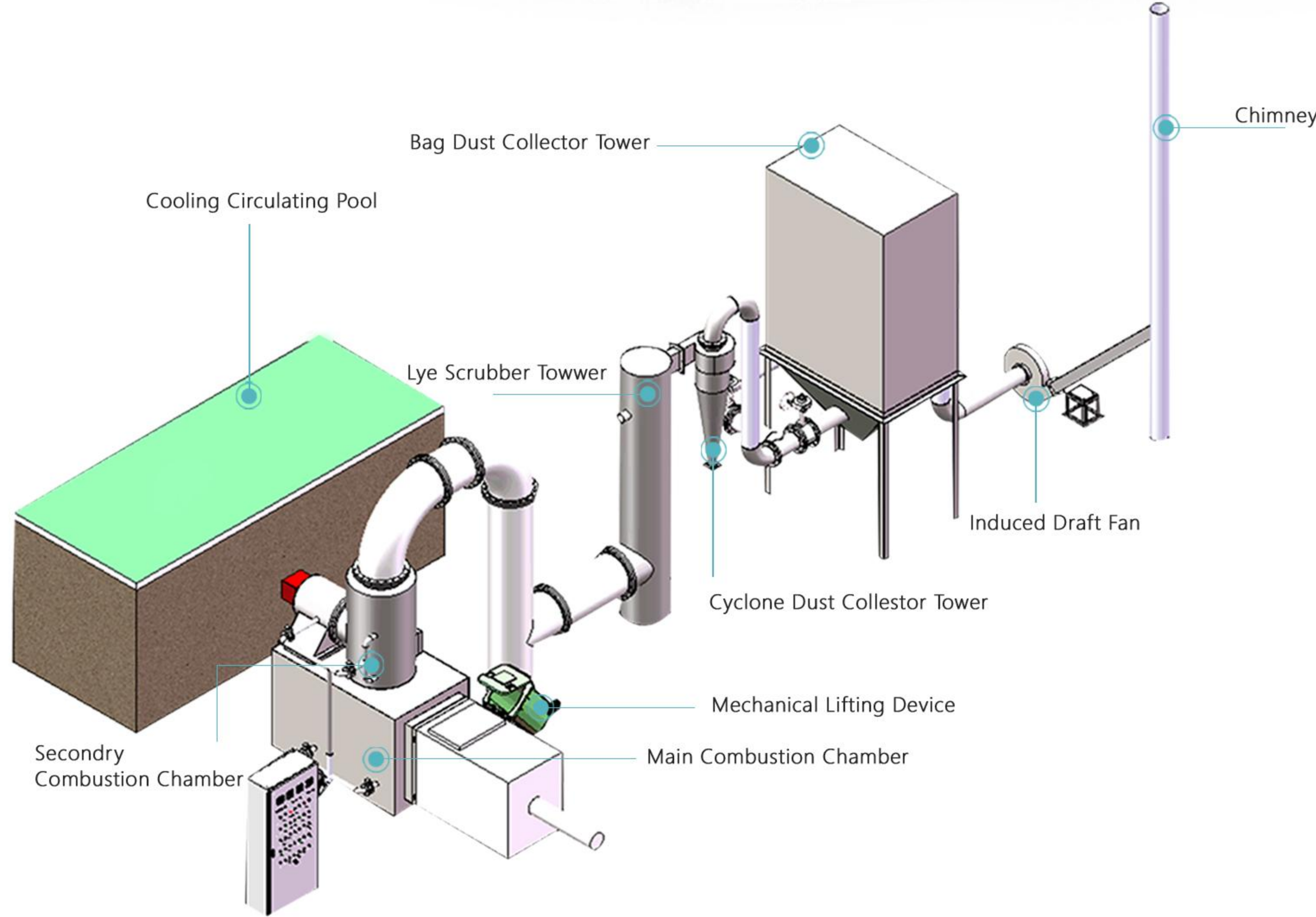


The WRMI series incinerators are specifically designed for handling infectious medical waste generated by institutions such as hospitals and clinics. They adopt a dual-combustion-chamber structure to ensure thorough incineration and harmless treatment of waste.

The system operates stably with simple operation and meets environmental protection requirements, making it an ideal choice for epidemic prevention and control as well as daily medical waste disposal.

ADVANTAGE

- 1. Efficient combustion:** With a refractory liner, it can rapidly raise the temperature, maintain high temperature for a long time, and ensure thorough waste treatment.
- 2. Environment - friendly emissions:** It produces no black smoke, no peculiar smell, and no dust. The incineration residue can be reused, meeting environmental protection standards.
- 3. Energy - saving and fuel - efficient:** The height of the dual burners is adjustable, providing more even fire coverage and reducing fuel consumption.
- 4. Large - capacity chamber:** It can handle a larger amount of waste at one time, ensuring more complete combustion and higher efficiency.
- 5. Continuous feeding:** An optional front - end loading design supports continuous waste input, making it suitable for high - frequency use.
- 6. Safe and reliable:** It is equipped with multiple protection functions, including over - temperature protection, power - off protection, and emergency stop, ensuring a worry - free operation.



Model	Machine size (L*W*H/mm)	Power(kw)	Chimney(mm)	Weight(kg)	Capacity
WRMI-20	900*600*70	0.44	Φ140*6m	1500	10-20kg/batch
WRMI-30	1450*900*1020	0.63	Φ159*6m	2000	20-30kg/batch
WRMI-50	1800*1160*1200	0.81	Φ219*6m	3000	30-50kg/batch
WRMI-150	2000*1200*1360	1.01	Φ219*6m	4500	100-150kg/batch
WRMI-300	2200*1570*1510	1.8	Φ530*6m	8500	200-300kg/batch
WRMI-300	3000*1750*1710	3.34	Φ620*6m	12000	300-500kg/batch

MEDICAL WASTE BALER

Medical waste balers can be a driving force for significant reductions in waste disposal and waste disposal requirements.

Under normal conditions, medical waste is squeezed and formed by packaging tape, which greatly reduces its volume, and then packed and transported to recycling facilities, greatly reducing transportation costs.



ADVANTAGE

- 1.**Automatic Baling Device:**Unique automatic baling device, fast speed, automatic opening more labor saving.
- 2.**Boost Efficiency, Cut Transport Costs:**Improve labor efficiency and reduce transportation costs.
- 3.**Customizable Size & Block:** Size and package block can be customized according to customer requirements.

Model	WBD	
Pressure	30tons	40tons
Feed Opening Size(L*W)	800*430mm	1500*640mm
Bale Size(L*W*H)	500~1000*500*500mm	500~1500*720*720mm
Packaging Material	iron wire	iron wire
Capacity	1t~2t/h	1t~3t/h
Automation Grade	Automatic	Automatic
Main Motor Power	11 KW	22 KW / 30 HP
Twisted Wire Motor	1.1KW / 2HP	1.5KW / 2HP
Voltage	3P—380V—50Hz	3P—380V—50Hz
Machine size (L*W*H/mm)	5300*2600*1750	8750*3050*3580

ADVANTAGE

- 1.**Manual Baler:** Manual baler needs to use manpower for baling, it has a small floor space requirement, helping to reduce transportation costs, while contributing to environmental protection and waste recycling.
- 2.**Hook-Type Automatic Bale Turner:** Hook type automatic bale turning, automatic control by button, safe and convenient Safety interlock.

Model	WBD		
Pressure	20tons	30tons	40tons
Feed Opening Size(L*H)	800*450	800*450	1100*550
Bale Size (W*D*H, H is adjustable)	800*600*(300~800)	800*600*(300~800)	1100*700*(500~1000)
Bale Weight	50-110kgs	70-150kgs	200-260kgs
Power (kw)	4	5.5	7.5
Machine size (L*W*H/mm)	1155*850*2850	1155*960*2900	1580*1000*3140



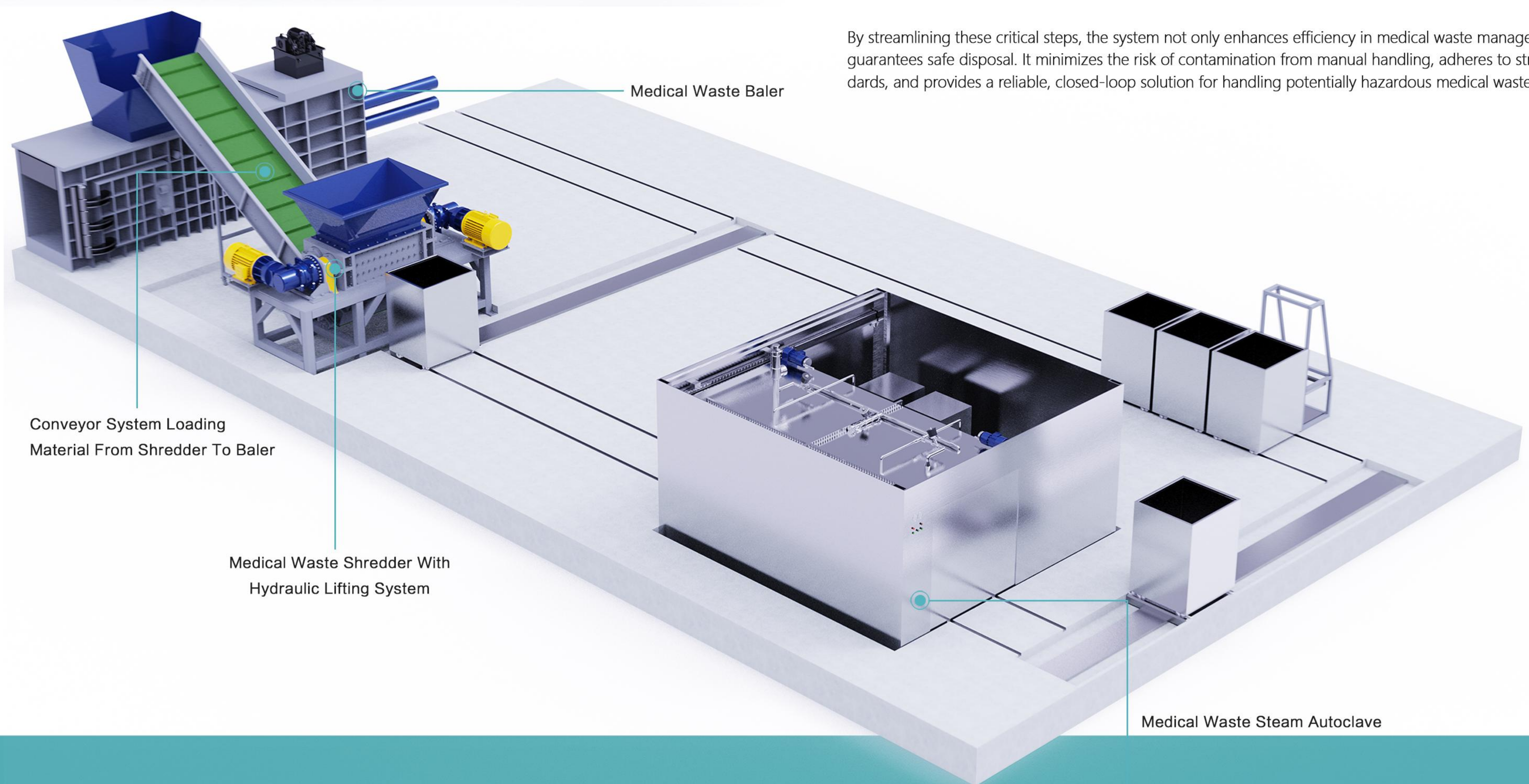
MEDICAL WASTE TREATMENT SYSTEM



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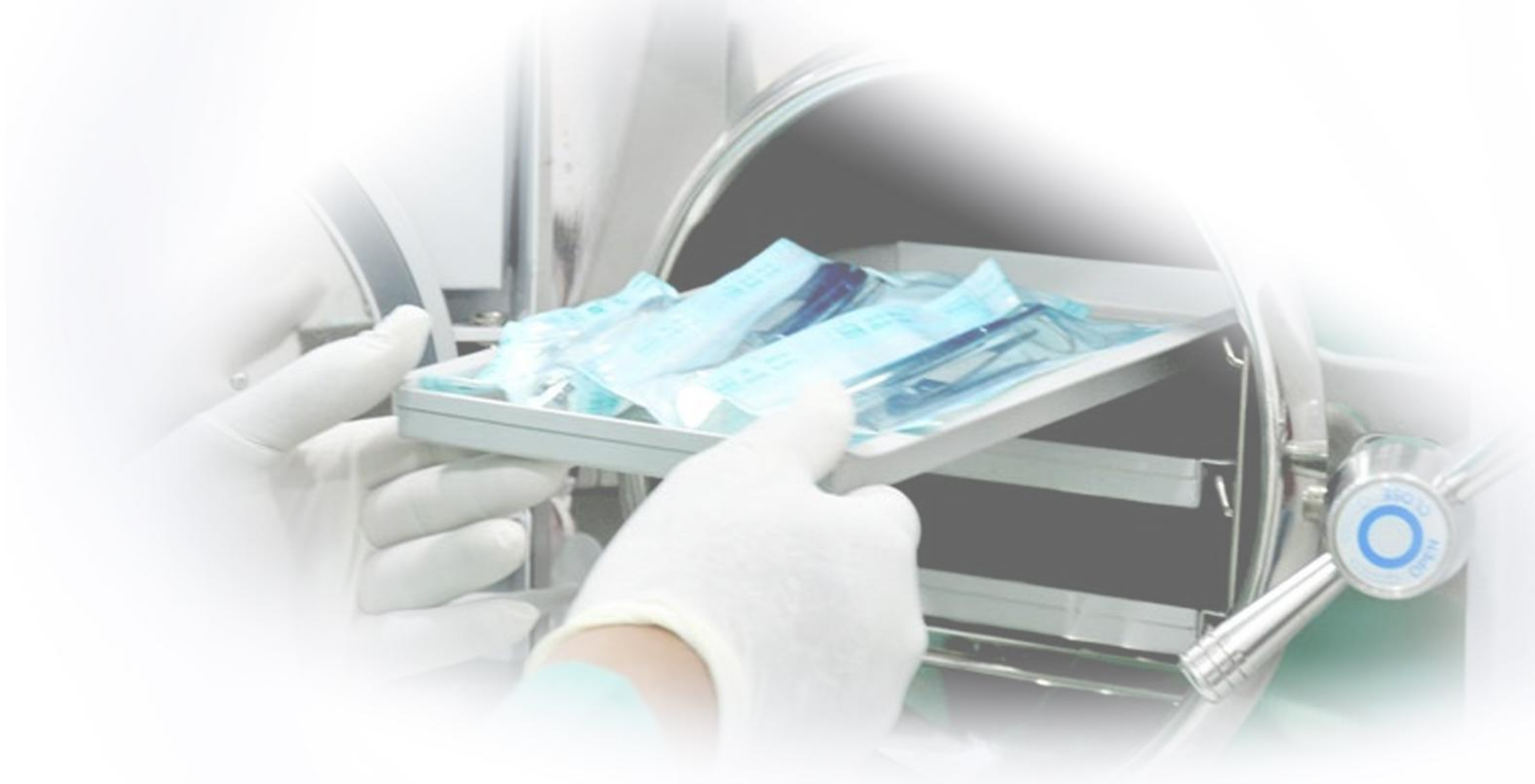
This system offers a comprehensive solution for medical waste treatment, integrating a range of automated processes: it handles the automatic loading and unloading of medical waste, performs thorough sterilization to eliminate pathogens, shreds waste to reduce volume, conveys materials between stages, and compacts them into bales. All these operations are managed through fully automatic control, ensuring the entire process runs without human intervention.

By streamlining these critical steps, the system not only enhances efficiency in medical waste management but also guarantees safe disposal. It minimizes the risk of contamination from manual handling, adheres to strict safety standards, and provides a reliable, closed-loop solution for handling potentially hazardous medical waste.



INTELLIGENT HIGH-TEMPERATURE STEAM STERILIZATION SYSTEM

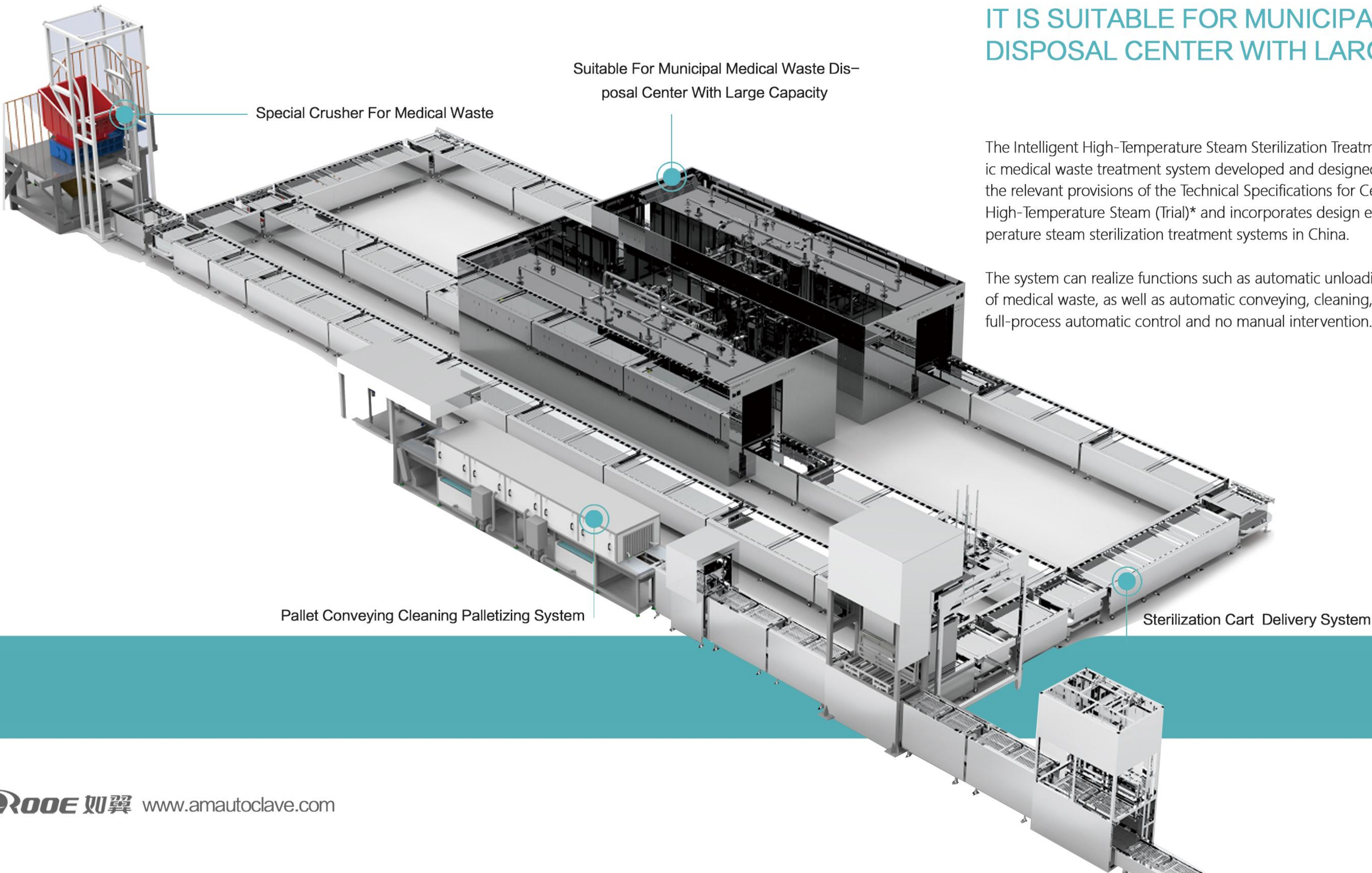
This system can effectively reduce the number of operators, lower labor intensity, and completely eliminate the risk of infection caused by direct contact between personnel and medical waste, providing a safe and efficient intelligent solution for medical waste treatment.



IT IS SUITABLE FOR MUNICIPAL MEDICAL WASTE DISPOSAL CENTER WITH LARGE CAPACITY

The Intelligent High-Temperature Steam Sterilization Treatment System is a high-end intelligent automatic medical waste treatment system developed and designed by our company. It strictly complies with the relevant provisions of the Technical Specifications for Centralized Treatment of Medical Waste with High-Temperature Steam (Trial)* and incorporates design experience from over 100 sets of high-temperature steam sterilization treatment systems in China.

The system can realize functions such as automatic unloading, sterilization, crushing, and transportation of medical waste, as well as automatic conveying, cleaning, and palletizing of turnover boxes, with full-process automatic control and no manual intervention.



MEDICAL WASTE EMERGENCY TREATMENT SYSTEM

The Medical Waste Emergency Treatment System is a mobile medical waste emergency disposal platform specially designed for special scenarios such as sudden epidemics, disaster area rescue, and field isolation points.

The entire system adopts a containerized modular structure, equipped with core processing units including generator sets, high-temperature steam sterilizers, steam generators, medical waste shredders, and sewage treatment systems. All equipment can be flexibly customized and integrated according to customers' actual needs to realize rapid deployment and independent operation.

The system is transported by a traction method, which can be flexibly moved by being towed by a truck head and quickly reach the emergency site. It can safely and efficiently treat medical waste even in environments without fixed treatment facilities, comprehensively reducing the risk of infection and improving emergency disposal capabilities.

