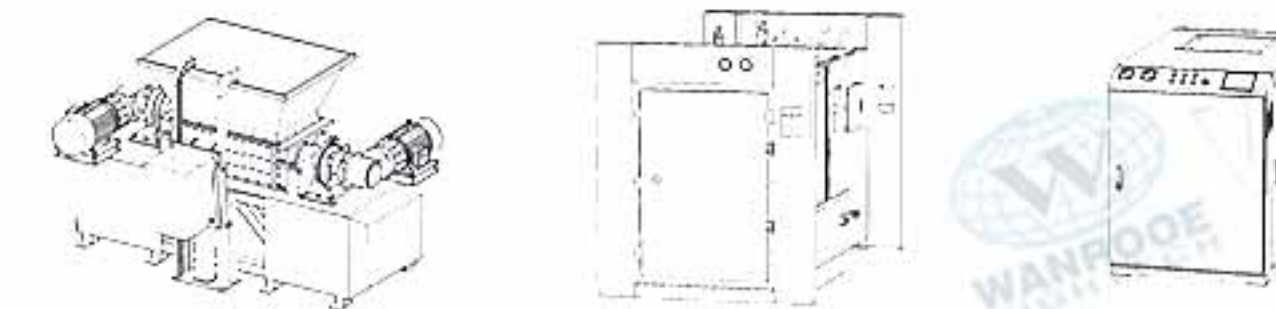


NEVER STOP TO
IMPROVE THE QUALITY AND SERVICE



医疗废物处理 MEDICAL WASTE DISPOSAL

江苏万容机械有限公司
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张家港市万容机械有限公司成立已经15年，注册资本3000万元。WANROOE 致力于设计、研发、生产最实用，最高性价比的环保、废旧物料再生设备和挤出设备。

公司采用德国先进的设计理念和制造技术，不断研发新产品，经过多年努力，公司拥有多项专利及自主研发产品，其中挤出设备是万容产品的一个重要组成部分。单轴粉碎机、双轴粉碎机、粉碎机、摩擦清洗机、分离沉淀池、离心脱水机及相关成套设备广泛运用于薄膜回收清洗、牛奶瓶、PET瓶回收清洗等行业。该生产线独特的模块化设计允许上述单机设备在多样化方案中重新整合，满足各种生产需求。

在全球范围内我们和各国商业伙伴及代理商进行合作，便于更好的同各国客户交流，更深入的了解客户的切实需求；我们的代理商为当地客户备有各种型号设备及配件的库存，拥有专业的技术团队，提供优质、高效的售后服务。除各类基本业务之外，我们和各国代理商非常乐于和客户共同探讨应用技术，帮助客户提高生产效率，产品质量及附加价值。藉此，我们以提供整体解决方案和增值服务的方式进一步融入到产业链中。

ABOUT US 关于我们

Established in the year 2001, WANROOE is an ISO9001:2008 certified manufacturer, exporter and supplier of plastic processing machinery.

Due to our constant commitment to extrusion technology, we have emerged as a leading manufacturer of machinery for PVC pipes, HDPE pipes, inline drip irrigation pipes, plastic recycling, wood Pallet Shredder, Waste Wood Shredder, Timber Pallet Shredder, Municipal Waste Shredder, Tire Shredder, Used Tire Shredder, Car tire Shredder, Truck Shredder and many others for a wide range of extrusion processes.

Made of high quality raw materials and using world class technology, our machines are widely appreciated for their salient attributes like efficient and consistent performance, lower power consumption, durability and corrosion resistance. Our products incorporate user-friendly operation and controls, including parts that resist wear and tear and conform to prescribed specifications of the plastic manufacturing units. With decades of valuable industry experience, we deliver quality machinery in both standard and customized specifications.

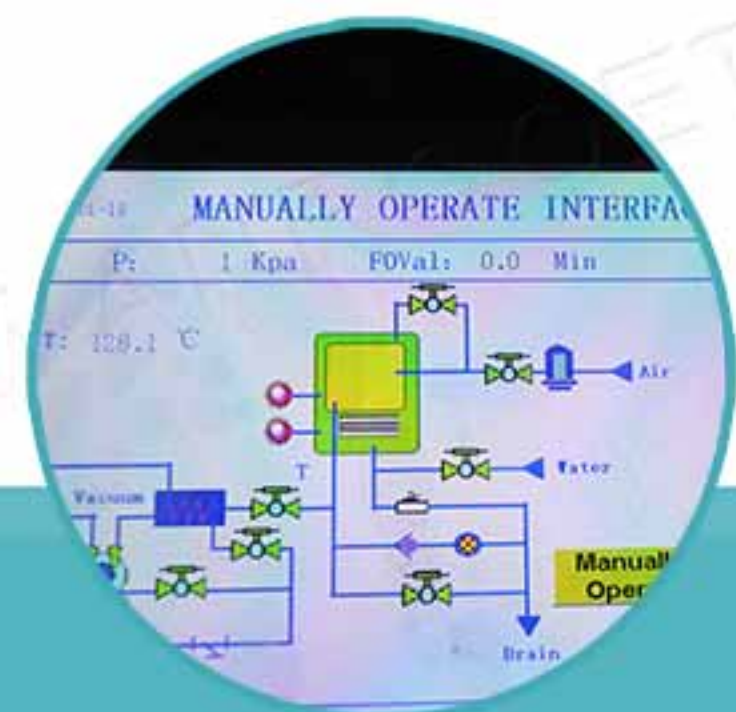
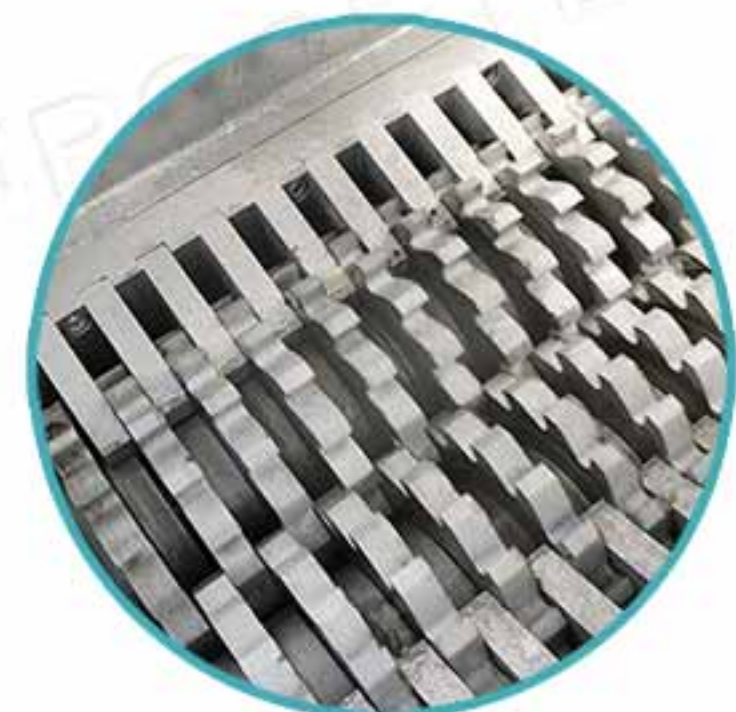


WRMS INTEGRATED AUTOCLAVE WITH SHREDDER

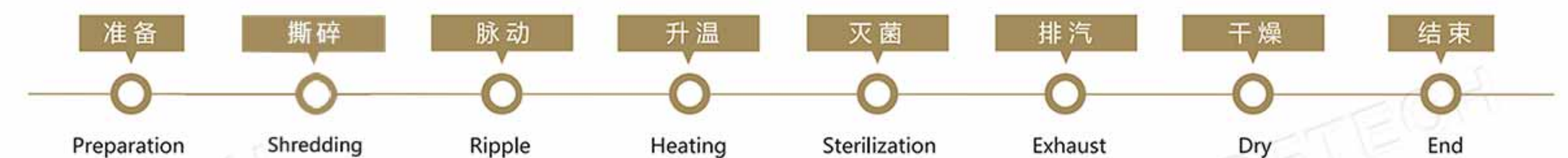
Integrated autoclaves with shredders are the ideal solution for the safe disposal of medical waste in institutions such as hospitals, clinics and waste treatment centers, offering traceability, safety and a guaranteed level of sterilization.

MCDS is an integrated autoclave and shredder system that completes the sterilization and shredding process in a closed container, ensuring a clean environment and safe operation. It combines shredding, direct steam, and high pressure to process infectious materials.

It is compact, requires minimal installation space and basic infrastructure to operate, and has a complete automated processing process that greatly reduces the reliance on professional operations teams.



灭菌程序 Sterilization Procedure



ADVANTAGE

- 1.The equipment can convert all types of clinical by-products into sterile, inert and unidentifiable waste in its single, unique container.
- 2.When medical waste is treated so that the volume of the final product is reduced (by up to 80 percent), it can be treated as ordinary municipal waste without any biological risk to anyone who handles it.
- 3.Hazardous medical waste can be disposed of in a timely manner without the need to transport medical waste or risk of secondary infection.

Model	WRMS-80 (waste density based on 120-200kg/M3)	WRMS-250 (waste density based on 120-200kg/M3)	WRMS-800 Plus (waste density based on 120-200kg/M3)
Parameter			
Treatment capacity each circle	10-15kgs	20-30kgs	60-100kgs
Power	27KW	27KW	46KW
Overall dimension(mm)	1650L*1100W*1230H	1650L*1100W*1730H	2200L*1400W*1950H

MEDICAL WASTE AUTOCLAVE

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



DESIGN AND TECHNICAL FEATURES

1. The control system adopts PLC, touch screen plus micro printer configuration, and optional DCS remote background monitoring system.
2. 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. The sealing strip is made of high quality silicone rubber, high temperature resistance and long service life.
4. With perfect data recording, printing, saving function, time and pressure graph. Production process and program control can be traced.
5. There are strict operation and management authority, with three-level password control, respectively for operators, process personnel and management personnel.
6. Each chamber is equipped with a temperature probe for monitoring the chamber and product temperature.
7. The chambers range from 1200 to 10000 l, but the loading capacity is fully customizable according to the customer's needs.

Specifications	Overall Dimensions (mm)	Chamber Size (mm)	Power	Loading Capacity (T/Day)
YG-1.2	1695*1370*1960	1500*750*1100	3	1
YG-2.5	3195*1370*1960	3000*750*1100	4.5	2
YG-5.0	3635*1800*2200	3400*1000*1500	7.5	5
YG-8.0	5635*1800*2200	5400*1000*1500	7.5	7
YG-10.0	6935*1800*2200	6700*1000*1500	10	8

STEAM GENERATOR BOILER

ELECTRIC STEAM GENERATOR

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(°C)	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 shut-down. After full combustion of flame, each part of flue gas through three times of reflux heat transfer, thermal efficiency greatly improved. The boiler has controller 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(°C)	170	170	170	170/193
Fuel consumption	Light diesel oil(kg/h)	6.8	14	21
	Natural gas(Nm³/h)	7	16	24
	LPG(Nm³/h)	3	6	9
	City gas(Nm³/h)	18	34	51

MEDICAL WASTE SHREDDER

Crushing medical waste to a smaller size to achieve medical waste disfigurement and volume reduction, so that it can then be sent to the back-end harmless disposal will improve the efficiency and effectiveness of disposal, and is ideal for shredding infectious and injurious medical waste.

Can easily shredding the following clinical waste

Glucose bottles, blood bags, syringes, ampoules, blister packaging, used needles, catheters, saltwater tubes, saltwater bottles and various other medical waste, thereby preventing the spread of any infections and diseases.

ADVANTAGE

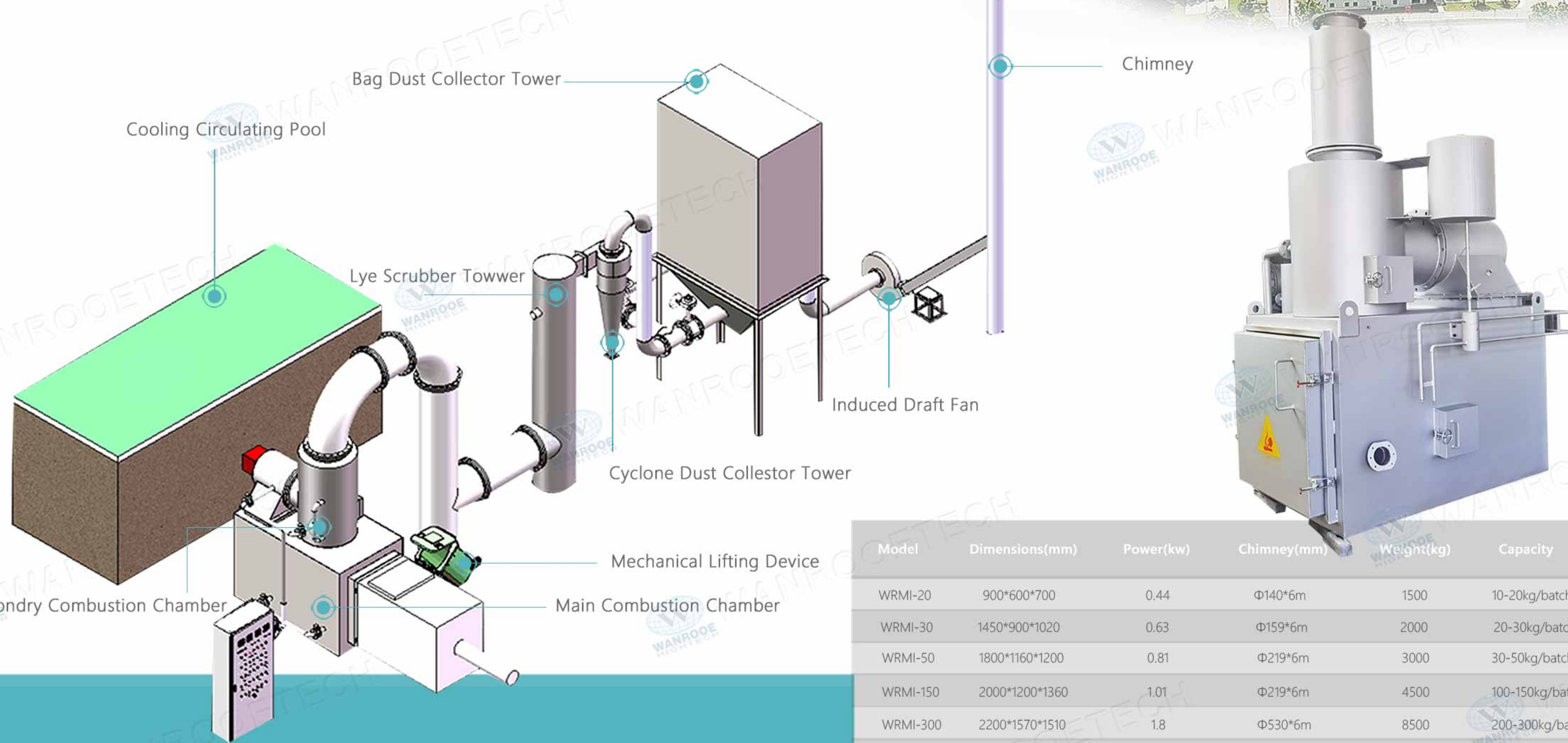
- 1. From low-speed, high-torque electro mechanical drive systems to our rugged cutting chamber design, designed to improve energy efficiency and reduce maintenance costs.
- 2. High alloy heat treatment blade, long service life, corrosion resistance, wear resistance.
- 3. Overload protection automatically stops and reverses when overload occurs to protect the motor from damage.
- 4. Optional hydraulic lifting device to realize automatic feeding.



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

MEDICAL WASTE INCINERATOR

The incinerator can handle medical waste that the sterilizer cannot, and the residual volume of the waste after incineration only accounts for 5% of the original volume, and the heat generated can be recycled. To avoid contact with medical waste for infection, automatic loading and waste gas treatment systems are optional.



Model	Dimensions(mm)	Power(kw)	Chimney(mm)	Weight(kg)	Capacity
WRMI-20	900*600*700	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-500	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.



AUTOMATIC BALER

Features

- 1. Unique automatic baling device, fast speed, automatic opening more labor saving.
- 2. Improve labor efficiency and reduce transportation costs.
- 3. Size and package block can be customized according to customer requirements.

Model	PNDB-30H	PNDB-40H
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
Machine Overall Dimension(L*W*H)	5300mm*2600mm*1750mm	8750mm*3050mm*3580mm
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

MANUAL BALER

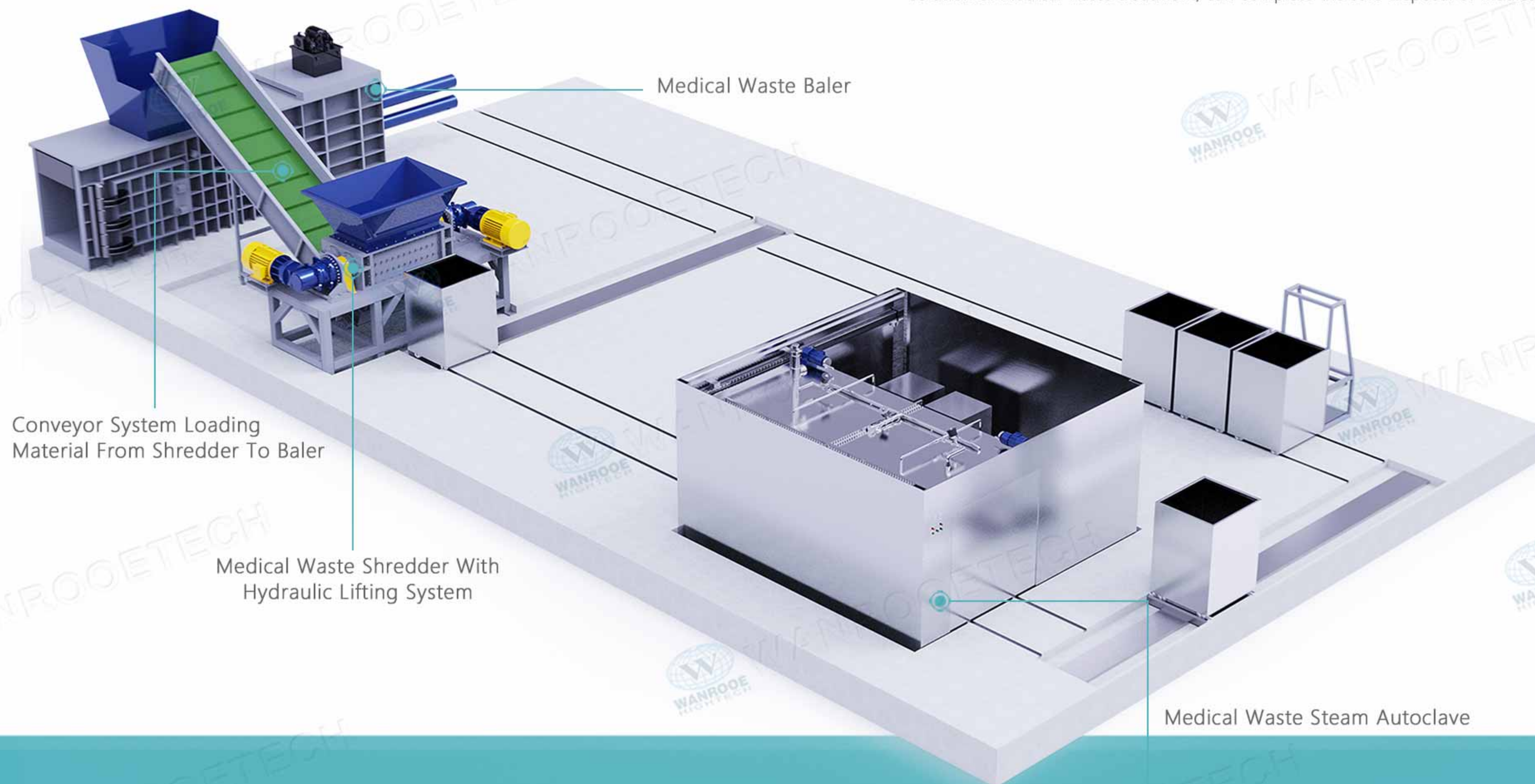
Features

- 1. 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 turning, automatic control by button, safe and convenient. Safety interlock device to ensure the safety of the operator.

Model	PNDB-20	PNDB-30	PNDB-40
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 Overall Dimension	1155×850×2850mm	1155×960×2900mm	1580×1000×3140mm

MEDICAL WASTE TREATMENT SYSTEM

The system can realize the automatic loading and unloading of medical waste, sterilization, shredding, conveying, baling, fully automatic control to achieve the whole process without human intervention on the overall solution of medical waste treatment, can complete the safe disposal of medical waste.

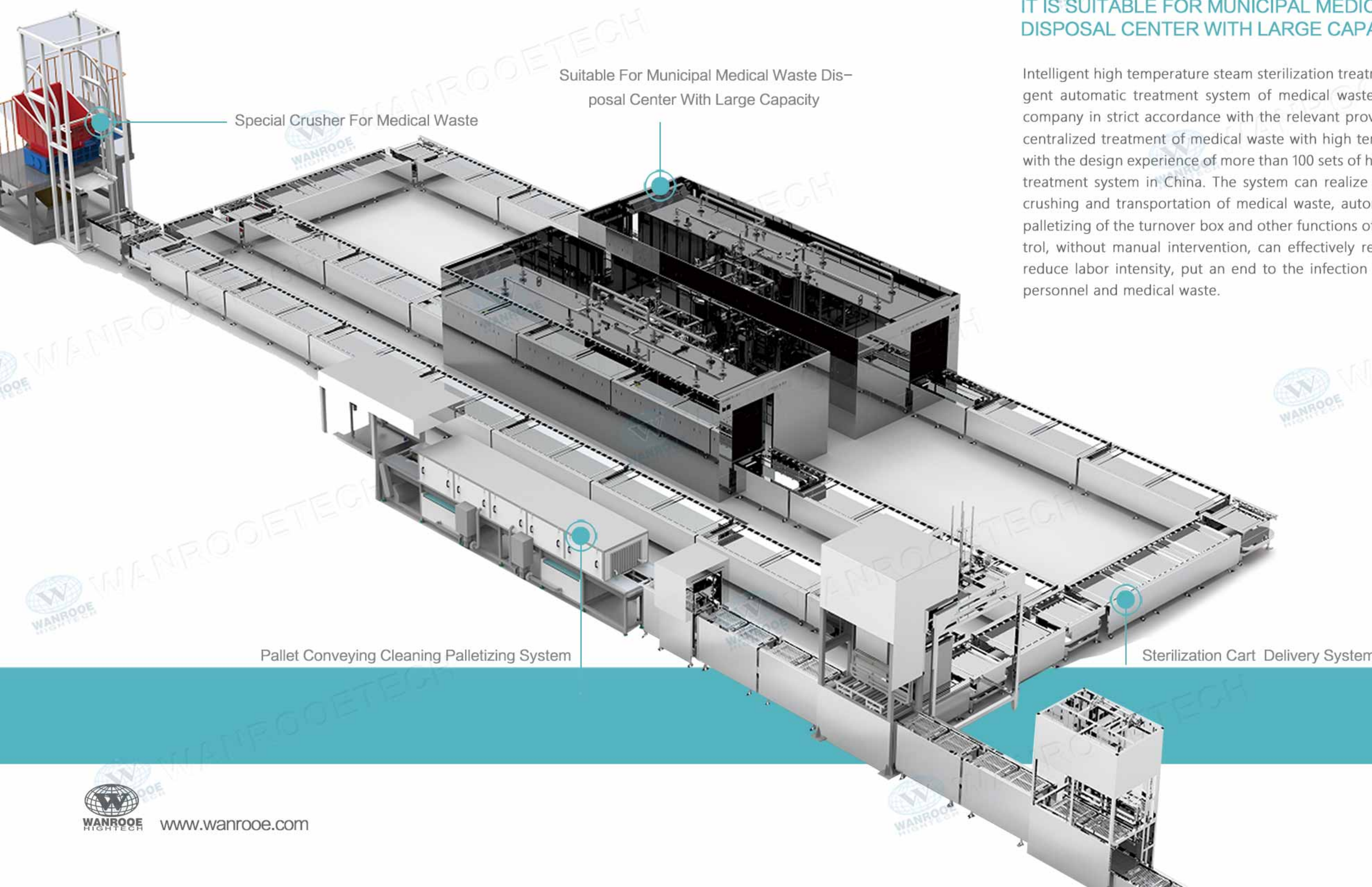


INTELLIGENT HIGH-TEMPERATURE STEAM STERILIZATION SYSTEM



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

Intelligent high temperature steam sterilization treatment system is a high-grade intelligent automatic treatment system of medical waste developed and designed by our company in strict accordance with the relevant provisions (Technical specifications for centralized treatment of medical waste with high temperature steam (trial)), combined with the design experience of more than 100 sets of high temperature steam sterilization treatment system in China. The system can realize automatic unloading, sterilization, crushing and transportation of medical waste, automatic transportation, cleaning and palletizing of the turnover box and other functions of the whole process automatic control, without manual intervention, can effectively reduce the number of operators to reduce labor intensity, put an end to the infection caused by direct contact between personnel and medical waste.



Special Crusher For Medical Waste

Suitable For Municipal Medical Waste Dis-
posal Center With Large Capacity

Pallet Conveying Cleaning Palletizing System

Sterilization Cart Delivery System