

## *"Sterilize and Shred Your Medical Waste Safely"*

# Reliable, Powerful, MWB-Series Medical Waste Shredding and Sterilization Machine;

Medical wastes are hazardous wastes that originate from health institutions and require special treatment. Safe and effective disposal of these wastes is of utmost importance for both environmental health and public health. Medical waste shredding machines are industrial equipment designed to meet these requirements, offering high efficiency and durability.

Our medical waste shredders have a wide range of uses in various healthcare organizations and industrial facilities. Hospitals and clinics that generate large amounts of medical waste manage their waste safely and effectively using medical waste shredders. Laboratories utilize medical waste shredders to dispose of biological

and chemical waste. These facilities fulfill their duty to protect the environment and public health by using medical waste shredders for large-scale medical waste disposal.

## MWA-Series End Crusher Medical Waste Shredder for medical waste disposal applications;

Shredding is an important part of medical waste disposal. The technical requirements of the medical waste shredder are often very high. Because medical waste contains not only hard materials such as metal and glass, but also soft materials such as cotton thread, bandages and PPE. Our double shaft medical waste shredder machine is designed to adopt the harsh working conditions of medical waste disposal, to prevent the reuse of medical waste by destroying it, and to reduce the volume and size of medical waste after sterilization. It is safely used in medical waste facilities or hospitals.

The medical waste shredding machine consists of shredder, control cabinet, container lifting elevator, hopper and optional enclosed conveyor. Our machine operates as a heavy-duty twin-shaft shredder and is equipped with wear-resistant steel blades.



### **Autoclave (Steam Sterilization)**

The shredded waste is sterilized by steam under high temperature and pressure. This method is highly effective in destroying pathogens.

### **High Torque and Durability**

It can effectively shred even difficult and large medical waste.

### **Fast Blade Change**

It works without interruption with easily replaceable cutter blades.

### **Certification**

Manufactured in compliance with EU Directives PED 2014/68/EU, 2006/42/EC, 2014/30/EU and EU norms EN285.

### **High Efficiency**

Medical waste shredding machines shred even large and hard medical waste quickly and efficiently thanks to the combination of high torque and low speed. These machines are often used in healthcare organizations such as hospitals, clinics and laboratories.

### **Abrasion Resistant Blades**

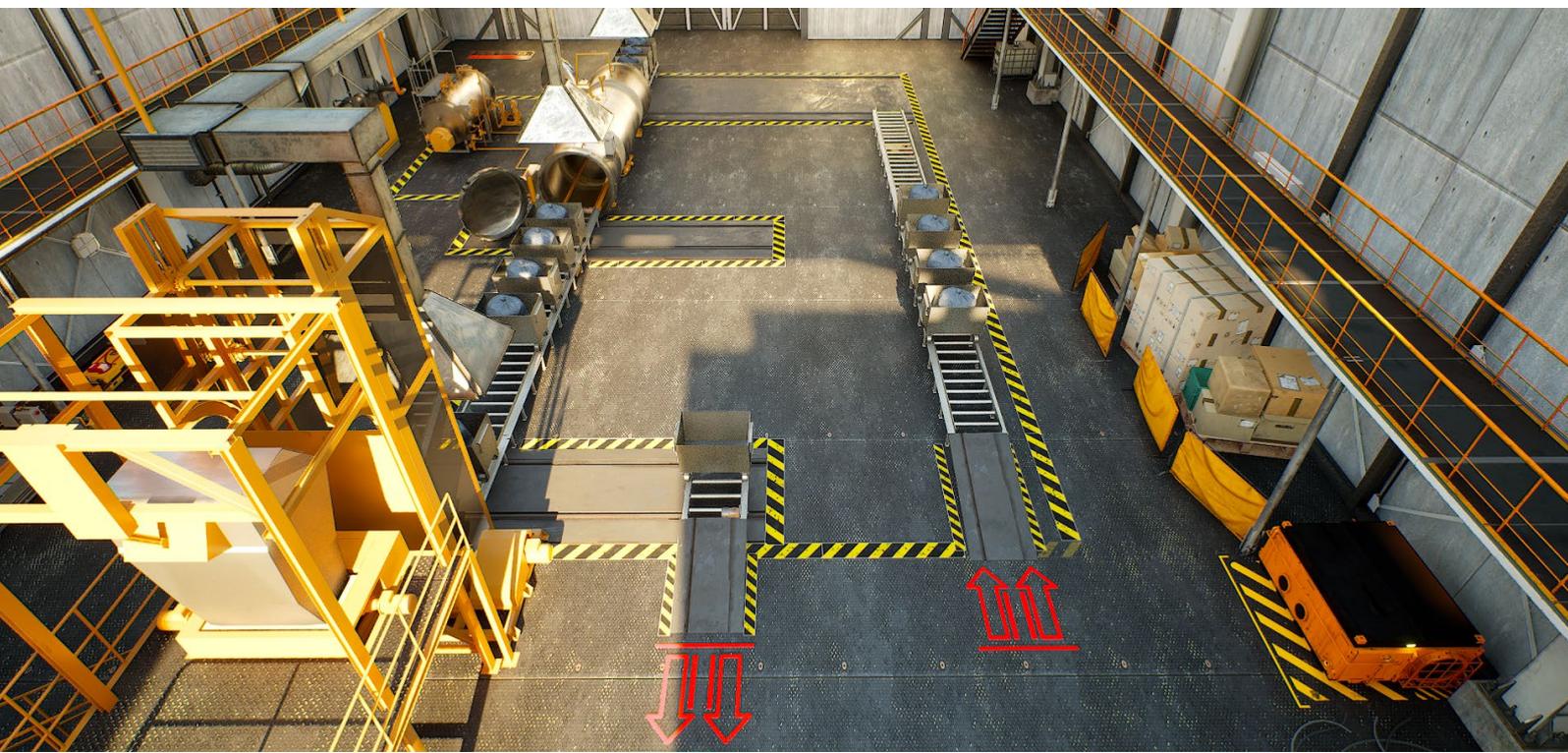
The blades used in these machines are made of high quality steel and are resistant to wear. This means that the machine can operate continuously and efficiently for long periods of time.

### **Long Maintenance Intervals**

Medical waste shredders have long maintenance intervals thanks to their robust construction and durable components. This ensures uninterrupted operation of healthcare organizations and reduces maintenance costs.

## **Technical Specifications**

<b>MODEL</b>	<b>CAPACITY (KG/S)</b>	<b>VOLUME (LT)</b>	<b>ENGINE POWER (KW)</b>
<b>MWB-20</b>	<b>15-20</b>	<b>75</b>	<b>10-20</b>
<b>MWB-150</b>	<b>150-180</b>	<b>750</b>	<b>10-20</b>
<b>MWB-250</b>	<b>200-250</b>	<b>1400</b>	<b>10-20</b>
<b>MWA-75</b>	<b>70-80</b>	<b>400</b>	<b>10-20</b>
<b>MWA-500</b>	<b>450-500</b>	<b>3500</b>	<b>20-30</b>
<b>MWA-1000</b>	<b>900-1000</b>	<b>7500</b>	<b>30-40</b>



# Performance and Efficiency of Medical Waste Shredder and Sterilization Machine;

## ***Double Shaft Design***

The CS-Series has two main shafts that shred medical waste. The shafts rotate at high torque and low speed, which ensures efficient shredding of medical waste.

## ***Energy Efficiency***

The medical waste shredder is equipped with highly energy efficient motors and systems. This reduces operating costs and minimizes environmental impact.

## ***Automatic Loading Elevator***

These machines are equipped with automatic loading elevators that enable easy and safe loading of medical waste. This feature increases the safety of operators and speeds up work processes.

## ***Solid Structure***

Made of heavy-duty steel, it withstands harsh working conditions.



## Medical Waste Shredder and Sterilization Machine with Front Crusher for medical waste disposal applications;

Medical waste shredding machines ensure the safe and effective disposal of hazardous waste from healthcare organizations. Thanks to their high productivity, durability and energy efficiency, these machines play an important role in medical waste management. With their robust construction and user-friendly design, medical waste shredders meet environmental and safety requirements while increasing operational efficiency. Medical waste shredders offer an indispensable solution for safe and sustainable waste management in the healthcare sector.

### **OPTIONAL FEATURES:**

- Front Segment Sterilization Unit
- End-Splitting Double Shaft Crusher

- Hydro Motor Driven
- Four Motor Design
- Different Knife Materials
- Stainless Steel Chassis
- Container Lift Elevator
- Discharge Conveyor



## FREQUENTLY ASKED QUESTIONS (FAQ)

### **WHAT IS A MEDICAL WASTE SHREDDING AND STERILIZATION MACHINE FOR?**

Medical waste shredding and sterilization machine is a device that safely and effectively shreds hazardous waste from healthcare facilities and sterilizes it with steam under high temperature and pressure. These machines play an important role in the eradication of pathogens and safe disposal of waste.

### **HOW DOES THE MEDICAL WASTE SHREDDING AND STERILIZATION MACHINE WORK?**

The machine primarily shreds medical waste with its powerful blades. The shredded waste is sterilized with steam under high temperature and pressure. This process ensures that pathogens in the waste are inactivated.

## **WHICH TYPES OF MEDICAL WASTE CAN BE PROCESSED IN THESE MACHINES?**

These machines can process a variety of medical waste such as surgical waste, biological waste, blood tubes, urine containers, syringes, dialyzers, plastic scrap, glass and metal.

## **WHAT ARE THE MAINTENANCE REQUIREMENTS OF THE MACHINE?**

Medical waste shredding and sterilization machines have long maintenance intervals. However, regular maintenance and inspections are important to ensure long life and efficient operation of the machine. The periodic maintenance instructions specified in the user manual must be followed.

## **ARE THESE MACHINES ENERGY EFFICIENT?**

Yes, medical waste shredding and sterilization machines are equipped with highly energy efficient motors and systems. This reduces operating costs and reduces environmental impact.

## **WHAT IS THE CAPACITY OF THE MACHINE?**

Capacity varies according to the model. Models with different capacities are available according to user needs.

## **WHAT ARE THE MACHINE'S CERTIFICATIONS?**

Medical waste shredding and sterilization machines are manufactured in accordance with EU Directives PED 2014/68/EU, 2006/42/EC, 2014/30/EU and EU norms EN285.

## **WHERE ARE THESE MACHINES USED?**

Medical waste shredding and sterilization machines are widely used in hospitals, clinics, laboratories, medical waste disposal facilities and other healthcare institutions.

## **WHAT ARE THE SAFETY FEATURES OF THE MACHINE?**

These machines have many safety features such as emergency stop buttons, automatic loading elevators, automatic door locking mechanisms and advanced

software features. These features increase the safety of operators and prevent potential accidents.