



"Environmentally Friendly and Efficient: MT Machine Shredding and Incineration Technology"

Ideal Combination, High Capacity Incinerator with Shredder;

Efficient disposal and recycling of waste is of paramount importance in waste management processes. Our CS-Series twin-shaft shredders are used to reduce the size of waste and make it suitable for incinerators. Incinerating the waste from our CS-Series shredder in our high capacity incinerator is an efficient and environmentally friendly solution for modern waste management. This process reduces the volume of waste while recovering energy and minimizing harmful emissions. The advanced

technology and durable construction of both our shredders and incinerators ensure the long life and reliability of these systems. Our twin-shaft shredders and high-capacity incinerator offer the ideal combination for sustainable waste management.

Our CS-Series Twin-shaft shredders are designed to shred various types of waste into small pieces. Our machines operate at high torque and low speed, shredding waste and making it suitable for incinerators. Shred waste quickly and efficiently. It can process organic waste, plastics, metal parts and many other types of waste. It has a long service life thanks to its robust structure and durable blades. As MT Makina, we are proud to support you in waste management solutions for an environmentally friendly and sustainable future. We are at your service with our reliable, efficient and environmentally friendly waste management systems.

Advantages of High Capacity Incinerator;

The advanced technology and durable construction of both our shredders and incinerators ensure the systems are long-lasting and reliable. Our twin-shaft shredders and high-capacity incinerator offer the ideal combination for sustainable waste management. Our integrated system optimizes your waste management processes while reducing environmental impact and increasing energy efficiency. Shredded waste burns more efficiently in our incinerator, increasing energy recovery. Advanced emission control systems minimize the release of harmful gases. The heat released in the combustion process can be used to generate energy, reducing operational costs. The volume of waste is significantly reduced, enabling more efficient use of landfills.



Emission Control

Gases generated after combustion are treated with emission control systems. These systems prevent the release of harmful gases and particles into the environment.

Low Maintenance Requirement

Long life thanks to its robust structure and durable blades.

Combustion Control System

Provides air supply and temperature control to optimize the combustion process. Primary and secondary air supply systems are available.

Safe Disposal

Complete incineration of waste at high temperatures ensures the destruction of harmful microorganisms and toxic substances.

Environmentally Friendly

With advanced gas cleaning systems, emissions are kept to a minimum and the environment is not harmed.

High Efficiency

The highly efficient incineration process ensures fast and efficient disposal of waste.

Amount of Waste Reduced

Leaves less end product than other methods. There is no possibility of contamination of the final product and no risk of viruses or bacteria in the flue gas.

Durability and Longevity

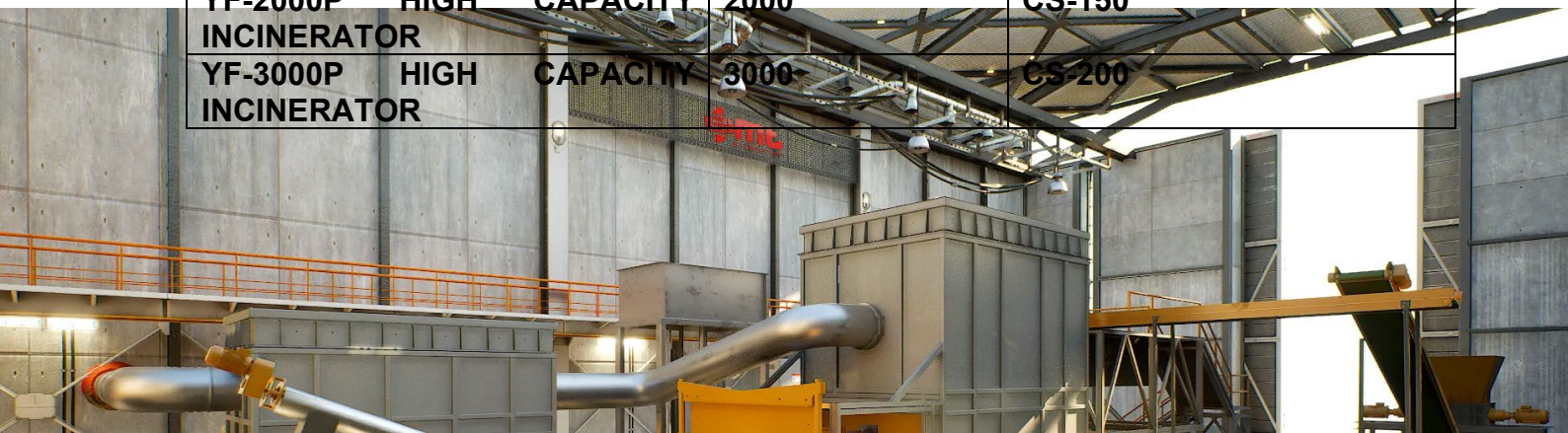
They are manufactured using materials that are resistant to high temperatures and have a long service life. This ensures reliable operation of the ovens for a long time.

Health and Environmental Safety

Safe disposal of hazardous waste minimizes environmental and health risks.

Technical Specifications

MODEL	CAPACITY (KG/S)	SHATTERER
YF-1000P HIGH CAPACITY INCINERATOR	1000	CS-100
YF-2000P HIGH CAPACITY INCINERATOR	2000	CS-150
YF-3000P HIGH CAPACITY INCINERATOR	3000	CS-200



High Capacity Incinerator Performance and Efficiency;

Shredding

The inside of the furnace is heated to a set temperature at which the parts are cleaned. Organic and inorganic chemical bonds are decomposed and removed from the surface in a flameless and low oxygen environment.

Incineration

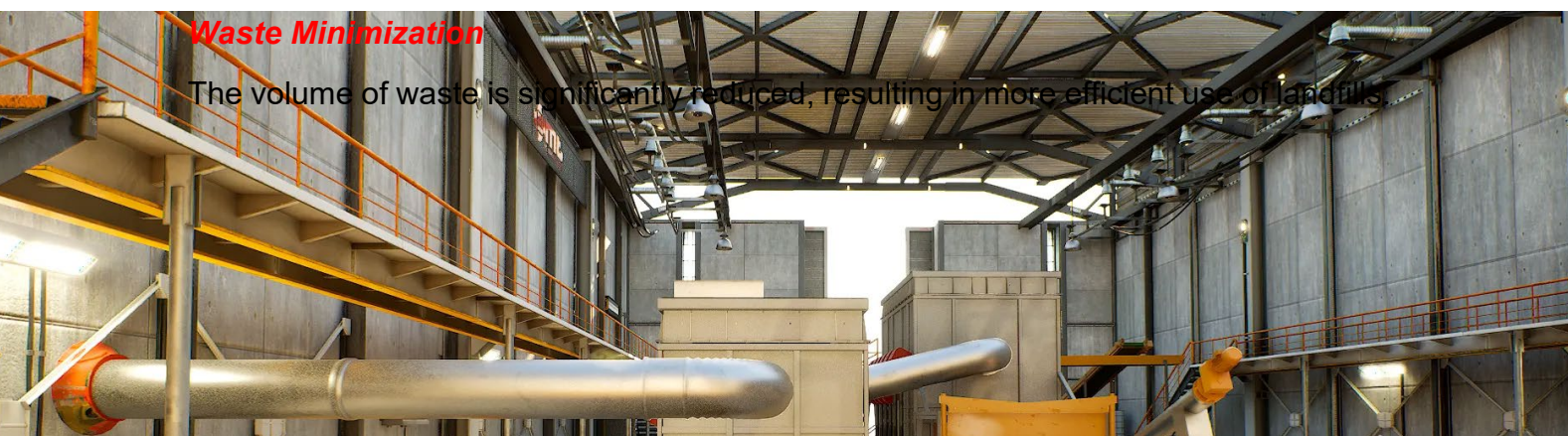
The waste is burned in the combustion chamber at high temperatures. Preheated combustion air and pulse ignition burners ensure complete combustion.

Ash Discharge

After combustion, the ash is removed from the furnace through ash covers. Our automatic ash discharge systems speed up this process and reduce the workload of the operators.

Waste Minimization

The volume of waste is significantly reduced, resulting in more efficient use of landfills.



Chimney Washing Systems;

Our Incinerator plays an important role in the safe disposal of waste after it has been shredded. However, when our incinerator burns waste at high temperatures, harmful gases and particles are released. These emissions can pose serious threats to the environment and human health. Therefore, the use of flue washing systems in our incinerator is critical for environmental and health safety. Our chimney washing systems are the systems that ensure the treatment of gases coming out of incinerators. It minimizes emissions to the environment by filtering harmful gases and particles generated during the combustion process. It ensures neutralization of acidic gases. Reduces the particle density in the atmosphere by capturing fine particles that can cause air pollution. Optionally, energy efficiency can be increased by providing heat recovery from flue gases.

Automatic Loading System;

Our automatic loading systems ensure a continuous supply of waste to the incinerator. This guarantees uninterrupted furnace operation and maximum efficient combustion. The waste is distributed homogeneously inside the furnace. It ensures that the combustion process is more efficient and that all waste burns evenly. Provides a safe working environment by reducing operators' direct contact with municipal waste during manual feeding. Our automated loading systems minimize the risk of operator exposure to hazardous waste. Manual feeding processes can be time consuming and labor intensive. Our automated loading systems speed up these processes, saving labor and allowing operators to attend to other important tasks.

Automatic Ash Discharging System;

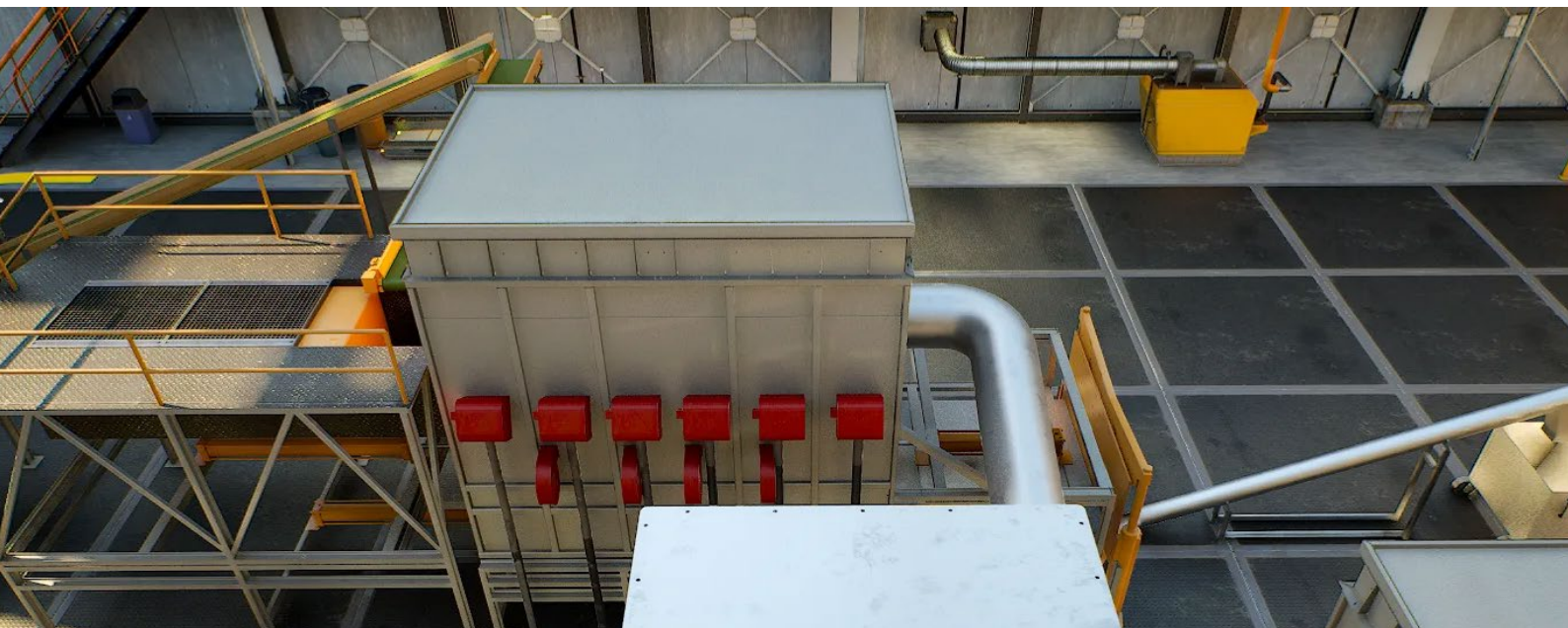
Our incinerator processes waste safely and efficiently, resulting in a large amount of ash. Regular and safe ash discharge is critical to the efficient operation of the incinerator and operator safety. Our automated ash discharge systems automate this process, improving efficiency and safety.

Points to Consider;

Waste that is not suitable for the incinerator can adversely affect the combustion process and lead to harmful emissions. Therefore, the suitability of shredded waste for the incinerator must be checked. Regular maintenance and monitoring of both shredders and incinerators is necessary. This ensures that the systems operate efficiently and safely. The correct functioning of emission control systems is critical to prevent the release of harmful gases into the environment.

OPTIONAL FEATURES

- Mobile Incineration Option
- Pre-shredding Machine
- Heat Recovery System
- Automatic Loading
- Automatic Ash Discharge
- Wet Chimney Flushing System
- Dry Chimney Washing System
- Semi-Dry Chimney Flushing System
- Gas Filtration System
- Emission Monitoring System
- Production in Different Capacities
- Different Brand Burners
- Loading with Crane



FREQUENTLY ASKED QUESTIONS (FAQ)

WHAT IS A HIGH CAPACITY INCINERATOR WITH SHREDDER?

A high capacity incinerator with shredder is a system where waste is first shredded and then disposed of by incineration at high temperatures. The double-shaft shredding machine increases combustion efficiency by breaking the waste into small pieces.

WHY USE A SHREDDER?

The shredder is used to reduce the size of the waste and make the incineration process more efficient. Shredded waste burns faster and more efficiently in the incinerator, which increases energy recovery.

HOW TO INTEGRATE SHREDDER AND INCINERATOR?

The shredder is placed in front of the incinerator to break the waste into small pieces. The shredded waste is fed into the incinerator through a hydraulically controlled gate.

WHICH WASTES CAN A HIGH CAPACITY INCINERATOR WITH SHREDDER PROCESS?

This system can handle various types of waste such as domestic waste, commercial waste, industrial waste, medical waste and organic waste. However, the suitability of the waste for the incinerator should be checked.

WHAT IS THE CAPACITY OF A SHREDDER INCINERATOR?

High capacity incinerators with shredders can process 1000-3000 kg of waste per hour. The capacity can vary depending on the design of the incinerator and the type of waste.

HOW TO RECOVER ENERGY?

The heat released in the combustion process can be used to generate energy. This energy can be used to generate electricity through steam turbines or directly as heat energy.

HOW TO CONTROL EMISSIONS?

The gases produced after combustion are treated with advanced emission control systems. These systems prevent the release of harmful gases and particles into the environment, thus minimizing air pollution and health risks.

HOW DOES THE SHREDDER AND INCINERATOR WORK?

The waste is shredded into small pieces in a double shaft shredding machine. The shredded waste is fed to the incinerator through a hydraulically controlled cover. The waste is burned in the combustion chamber at high temperatures. The heat released in the combustion process is used in energy production. Gases generated after combustion are treated with emission control systems. The ash formed after combustion is removed from the furnace with an automatic ash discharge system.

HOW TO MAINTAIN A SHREDDER AND INCINERATOR?

Regular maintenance of the shredder and incinerator ensures efficient and safe operation of the systems. This includes maintaining the sharpness of the blades, cleaning the burners and monitoring the emission control systems.

IS THE SHREDDER AND INCINERATOR SAFE?

Modern shredders and incinerators are equipped with advanced safety systems and automation technologies. Hydraulically controlled doors, automatic burner shutdown functions and emission monitoring systems ensure operator safety and environmental protection.

WHAT IS THE INSTALLATION TIME OF A DIGESTER INCINERATOR?

Installation time can vary depending on the size of the system and the characteristics of the plant. Typically, installation and commissioning can take several months.

WHAT IS THE COST OF A DIGESTER INCINERATOR?

The cost varies depending on the capacity and characteristics of the system and local regulations. While shredder and incinerator systems often have high initial costs, in the long run they offer the advantages of energy recovery and waste reduction.