



## *"YF-Series Mobile Incinerator"*

# Our YFM-Series Mobile Incinerator is the Portable Solution for Efficiency and Sustainability in Waste Management;

Our YFM-Series Mobile Incinerator offers flexibility, portability and high efficiency in waste management. It provides safe and efficient waste disposal in a variety of application areas such as disease control on farms, camps, communal facilities and in remote areas. With trailer-mounted and skid-mounted installation options, it offers a wide range of uses. At MT, we ensure the highest efficiency and environmental protection standards in your waste management with innovative mobile incinerators. Our mobile incinerator will continue to play a critical role for a cleaner and sustainable environment in the future.

Our mobile incinerators are manufactured in trailer-mounted or skid-mounted types, with various capacities and features, ensuring the safe, effective and environmentally friendly disposal of different types of waste. While full combustion is achieved with high temperatures and double combustion chamber design, it offers long-lasting and efficient solutions with the use of durable stainless steel chimney and reliable burner brands. As MT, we aim to provide the highest efficiency and environmental protection standards in your waste management by offering mobile incinerator solutions suitable for your needs. Our mobile incinerator will continue to play a critical role for a cleaner and sustainable environment in the future.

## YFM-Series                      Mobile                      Incinerator Advantages;

Our YFM-Series Mobile Incinerator offers many advantages such as high temperature neutralization of harmful substances, automatic loading and ash unloading systems, flexibility and portability, fast installation and low emission values. These features make our incinerator a safe, efficient and environmentally friendly solution for modern waste management.





### ***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 municipal 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)	TYPE
YFM-MOBILE INCINERATOR	20-1000	CONTAINER
YFM-MOBILE INCINERATOR	20-1000	TRAILER TOP



# Performance and Efficiency of YF-Series Incinerator;

## ***Ash Removal and Reloading***

The incinerator undergoes automatic cooling at the end of the cycle. This process is optimized for reload preparation and ash removal. Only about 3% ash remains in the hopper.

## ***Combustion Chambers***

A more efficient combustion process is realized with a double combustion chamber (primary and secondary).

## ***Secure Mobile Disposal***

Designed to be portable for use in different locations, it is the ideal solution for emergencies or temporary needs.

## ***Environmentally Friendly***

Thanks to the second combustion chamber, emissions are kept to a minimum and the environment is not harmed.

# Chimney Washing Systems;

Our YFM-Series Mobile Incinerator ensures the safe and efficient disposal of waste, while guaranteeing environmental and health safety thanks to its chimney scrubbing systems. With its treatment of harmful gases and particles, low emission values and environmentally friendly structure, our mobile incinerator plays a critical role in modern waste management. As MT, we aim to provide the highest efficiency and environmental protection standards in your flue gas management by offering chimney scrubber solutions suitable for your needs.

# YFM-Series Mobile Incinerator Application Areas;

Our mobile incinerator provides flexibility and efficiency in waste management with a wide range of applications. From farms to camps, from natural disaster zones to large events, these incinerators offer hygienic, safe and environmentally friendly solutions.



## YFM-Series Mobile Incinerator Trailer Mounted Installation

Our trailer-mounted mobile incinerator is characterized by its robust chassis and frame structure that ensures maximum durability and safety. The durable platform and safe transportation features ensure long-lasting and reliable use of our incinerator. While the extra storage space increases operational efficiency, it offers fast and effective solutions to different needs with its wide range of application areas. As MT, we aim to provide the highest efficiency and environmental protection standards in waste management with our trailer mounted installation solutions.

## YFM-Series Mobile Incinerator Skid Mounted, In-Container Installation

Our mobile incinerator with skid-mounted and in-container installation is characterized by a robust chassis and frame structure that ensures maximum durability and safety. The durable platform and safe transportation features ensure long-lasting and reliable use of the furnaces. While the extra storage space increases operational efficiency, it offers fast and effective solutions to different needs with its wide range of application



areas. As MT, we aim to provide the highest efficiency and environmental protection standards in waste management with our skid-mounted and in-container installation solutions.

### **OPTIONAL FEATURES**

- 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 MOBILE INCINERATOR?**

A mobile incinerator is a portable incinerator that disposes of various types of waste by burning them at high temperature. With trailer-mounted or skid-mounted designs, it can be used in different locations and provides safe, efficient and environmentally friendly disposal of waste.

## **HOW DOES A MOBILE INCINERATOR WORK?**

Mobile incinerators operate at high temperatures, ensuring the combustion of waste. The incinerator is equipped with primary and secondary combustion chambers, ensuring complete elimination of harmful gases and particles. The combustion process is optimized by automatic control systems.

## **WHICH TYPES OF WASTE CAN BE DISPOSED OF IN A MOBILE INCINERATOR?**

Mobile incinerators can be used to dispose of various types of waste such as municipal waste, medical waste, industrial waste, animal carcasses, construction and demolition waste, organic and inorganic waste.

## **IN WHICH SECTORS IS THE MOBILE INCINERATOR USED?**

Mobile incinerators are used in various sectors such as municipal waste management, medical waste disposal, industrial waste management, farms, construction and demolition projects, disaster zones and large events.

## **WHAT ARE THE OPERATING TEMPERATURES OF A MOBILE INCINERATOR?**

Mobile incinerators generally operate between 800-1000°C in the primary combustion chamber and 850-1100°C in the secondary combustion chamber. These high temperatures ensure complete combustion of the waste and elimination of harmful substances.

## **WHAT IS THE INSTALLATION AND TRANSPORTATION PROCESS OF A MOBILE INCINERATOR?**

Mobile incinerators are designed for quick and easy installation. Trailer-mounted or skid-mounted models can be easily transported and installed thanks to special lifting points and a hinged flue system. They can be operated on a truck trailer without unloading.

## **HOW DO MOBILE INCINERATORS AFFECT THE ENVIRONMENT?**

Thanks to advanced gas cleaning systems and low emission features, mobile incinerators cause minimal damage to the environment. Since no chemicals are used, the amount of environmental waste is low and complies with international environmental standards.

## **WHAT ARE THE MAINTENANCE REQUIREMENTS OF MOBILE INCINERATORS?**

Mobile incinerators require regular maintenance and periodic inspections. The furnaces are easy to maintain and offer long-term reliability with low maintenance costs. It is important to follow the maintenance procedures specified in the user manual.

## **WHAT IS THE ENERGY CONSUMPTION OF MOBILE INCINERATORS?**

Energy consumption is optimized thanks to high quality insulation materials and automatic control systems. These highly energy efficient furnaces reduce operating costs and provide energy recovery.

## **WHAT ARE THE LEGAL REQUIREMENTS FOR USING A MOBILE INCINERATOR?**

The use of our mobile incinerator complies with local and international environmental and waste management regulations. It is important to obtain the relevant permits prior to use and to comply with legal requirements.

## **WHAT IS THE CAPACITY OF MOBILE INCINERATORS?**



Mobile incinerators can be produced in various capacities, from small-scale applications to large industrial projects. Capacities can be customized according to the customer's needs and application area.

### **DO MOBILE INCINERATORS PROVIDE ENERGY RECOVERY?**

Yes, mobile incinerators can provide energy recovery. The heat generated during combustion can be converted into steam in the steam boiler and converted into electrical energy through turbines.

### **HOW CAN MOBILE INCINERATORS BE USED IN EMERGENCIES?**

Mobile incinerators can be used effectively in emergency situations thanks to their fast installation and portability. They offer rapid intervention in natural disasters, crisis zones and situations where urgent waste disposal is required.