



# High Temperature Pyrolysis Waste Incinerator



High Temperature Pyrolysis Waste Incinerator (HTP Waste Incinerator) is based on the comparison of mainstream domestic waste treatment processes, combined with the current situation of domestic waste treatment and scattered remote areas, and has been developed through years of research and development experiments and data accumulation. Based on the principle of pyrolysis and gasification, the equipment converts solid domestic waste into 90% gas and 10% ash, so as to achieve the goal of reducing and harmless treatment of domestic waste.



Feeding Characters



Discharge Characters

## APPLICATION SCOPE

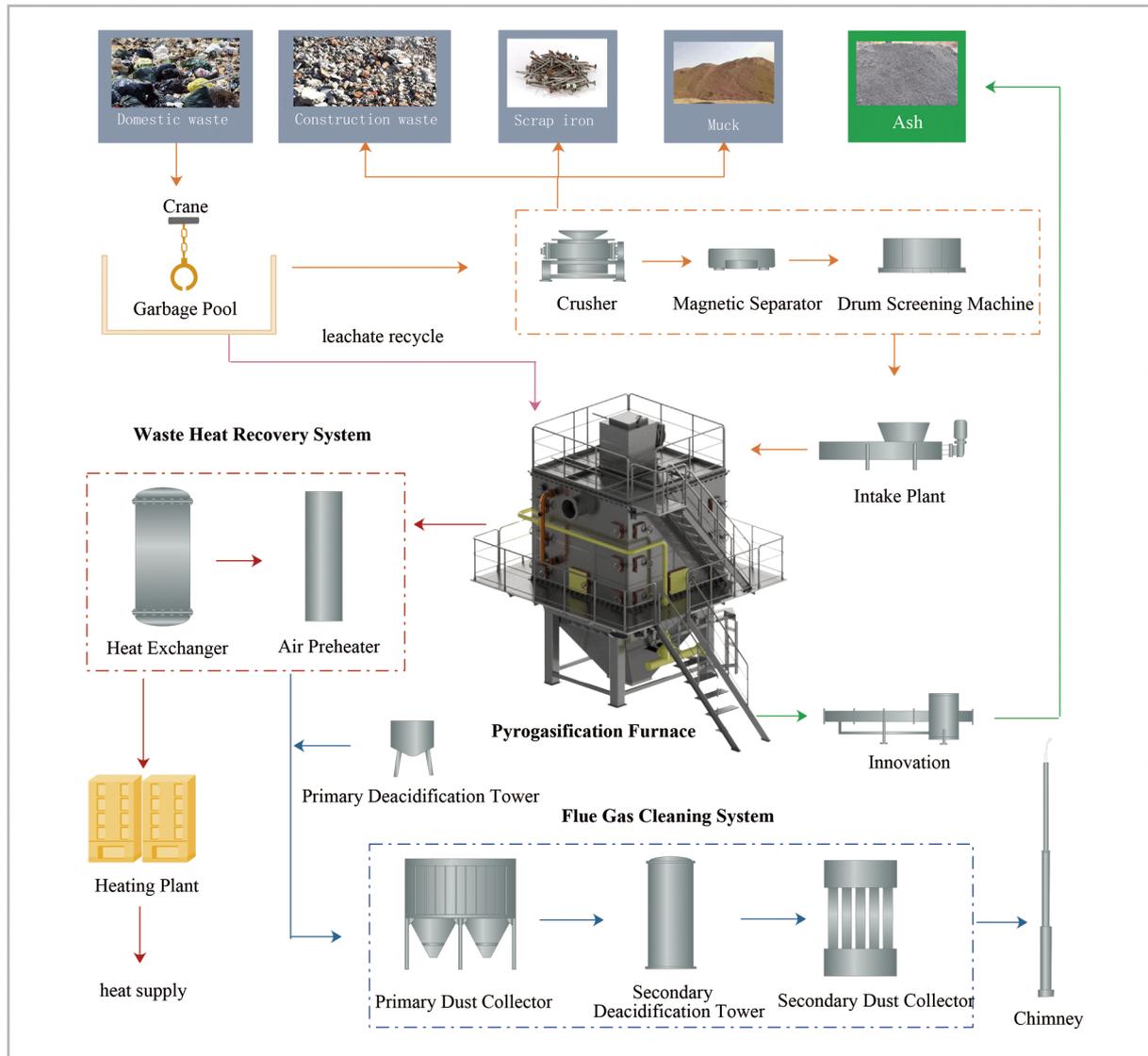
Decentralized point source domestic waste treatment and reuse, such as towns, villages, islands, expressway service areas, infected areas, logistics concentration areas, construction sites.

## PRODUCT PARAMETER

NO.	MODEL	SERVICE LIFE (a)	CAPACITY (t)	WEIGHT (t)	GROSS POWER (KW)	AREA OF EQUIPMENT (m <sup>2</sup> )	AREA OF THE FACTORY (m <sup>2</sup> )	SERVICE POPULATION (per)
1	3t	10	≥ 990	30	50	100	250	6000
2	5t	10	≥ 1650	45	85	170	300	10000
3	10t	10	≥ 3300	50	135	200	500	20000
4	15t	10	≥ 4950	65	158	300	750	30000
5	20t	10	≥ 6600	70	186	350	850	40000

★ Note: Other models can be negotiated and customized according to customer needs.

## PROCESS FLOW



## ENVIRONMENTAL STANDARDS



### WASTE WATER

The leachate and a little amount of process wastewater are returned to the furnace for incineration and discharged with flue gas.



### EXHAUST GAS

The treated exhaust gas meets local standards of pollutant discharge.



### WASTE SLAG

The waste slag meets local standards of pollutant discharge and it can be used for landfill or paving.



# Advantages of High Temperature Pyrolysis Waste Incinerator



## Eight Key Technologies

Technology+Structure + Control

HYHH is committed to serve the environmental protection, and root in continued innovation in products and technologies.

01

Rapid pyrolysis total gasification technology

02

Improved oxygen supply control technology

03

Low nitrate reaction technology

04

Homogeneous combustion technology

05

Waste heat utilization technology

06

Combined flue gas ultra-clean technology

07

Fully closed reaction technology

08

Intelligent control technology

HTP Waste Incinerator has obtained 5 invention patents and 6 utility model patents.



## Five Equipment Advantages

### ■ Good inclusiveness

Aiming at the characteristics of small output, complex composition and large fluctuation of domestic waste in countryside, solving the problem of small-scale domestic waste treatment in the whole process. Through the links of standing, crushing, magnetic separation and screening, the garbage is homogenized to ensure the stability of the garbage into the furnace. Can be applied to a variety of materials: such as rubber and plastic, paper, knitting, plastic, etc.

### ■ Low operation cost

The pyrogasification furnace is an integrated design with a first / second combustion chamber that effectively increases the heat storage capacity. Hot air from the waste heat recovery is used to supply hot oxygen in the secondary combustion chamber for fuel-free operation. The reaction process has low nitrate, no denitrification treatment, and reduced operation and construction costs. Operating costs are lower than other similar products.

### ■ Excellent treatment effect

The Incinerator's volume reduction rate of the waste can reach more than 95%, and has a mass reduction rate over 90%.

### ■ Eco-friendly

There is no odor leakage in the fully closed micro-negative pressure state of the unloading workshop. The collected leachate is sprayed back into the furnace to achieve "zero" discharge of wastewater. Two stages of deacidification and dust removal achieve ultra-clean emission of flue gas. Flue gas emissions are in line with local standards. The generated hot water can be used for heating to achieve resource utilization.

### ■ Intelligent automation

The central control room enables the start-up and stop of most devices, automatic water replenishment and dosing of devices. It is equipped with a variety of online instruments such as temperature, pressure and oxygen content to monitor the operational status of the system in real time.