



INCINERATOR PRODUCT MANUAL

QINGDAO YIHUA ENVIRONMENTAL PROTECTION CO., LTD
www.yihuaep.com





QUALIFICATION

YIHUA

宜尚环保股份有限公司

PATENT CERTIFICATE

专利证书

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COMPANY PROFILE



PRESENT

Founded in Qingdao in 2010, YIHUA has grown into a leading enterprise specializing in efficient, safe, and environmentally friendly incineration systems, leveraging over two decades of experience in the environmental protection industry. Our incinerators strictly adhere to international standards and are suitable for various scenarios, including animal funeral services, industrial hazardous waste, medical waste, and municipal solid waste.

Yihua boasts a modern production base of over 13,000 square meters and a technical team of more than 30 certified design engineers. We provide complete customized solutions from process design to equipment manufacturing, installation, and commissioning, fully considering the client's waste characteristics, processing scale, and emission requirements. We strictly implement ISO management systems and CE certification standards, and our main products have passed testing by internationally recognized authorities.

Furthermore, Yihua has established a global after-sales support network. With overseas branches and strategic partners, we provide remote technical diagnostics, on-site installation guidance, and systematic operational training.



PRODUCT CATALOG

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Waste Incinerator

Simple Incinerator (standard)
YHIF series, Capacity 10~150kg/h

Medical waste incinerator (high-end)
YHI series, Capacity 30~500kg/h

3

Human Cremation Incinerator

Simple
YHIRD series

Movable
YHIRY series

Immovable
YHIRJ series
YHIRG series

5

Gasification Incinerator

YHIS series

2

Animal Incinerator

Animal Incinerator (standard)
YHIA series, Capacity 30~500kg/batch

Pet Incinerator (high-end)
YHIAP series, Capacity 30~500kg/batch

4

Low temperature baking incinerator

YHHCI series

6

Top-opening Incinerator

YHID series

7

Exhaust Gas Treatment

Type A: Spraying + Demisting
Type B: Heat Exchanger + Bag Filter
Type C: Spray scrubbing + Demisting
+ Heat Exchanger + Bag Filter



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Waste Incinerator

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SIMPLE INCINERATOR standard

YHIF series, Capacity 10~150kg/h



Product Introduction:

YHIF Series – Primarily used for municipal and industrial waste treatment.

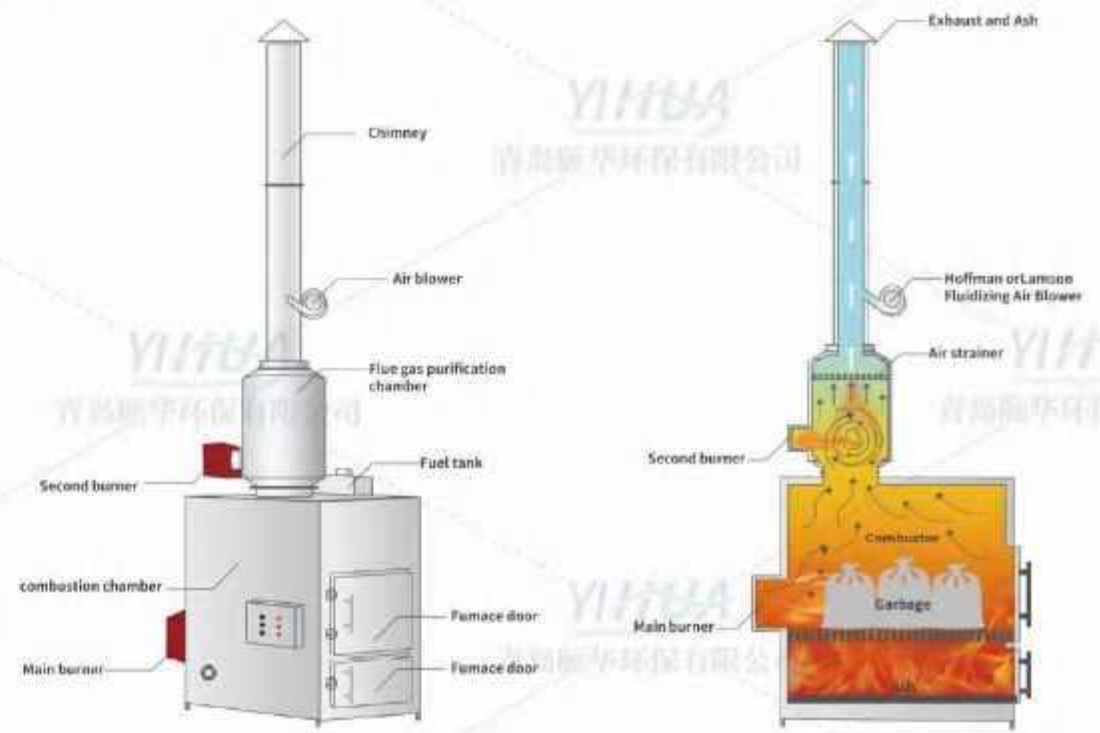
This series is our economical product line, with processing capacities ranging from 10 kg/h to 150 kg/h. It typically features two burners and two combustion chambers. The secondary combustion chamber ensures complete decomposition of combustible gases, achieving smokeless operation.

Standard fuel is diesel. Piped natural gas or liquefied petroleum gas can also be used, but at an additional cost.



Application Scenarios

Schematic Diagram



	Name	YHIF-10	YHIF-50	YHIF-100
1	Dimensions	1400*1100*1800mm (L*W*H)	1500*1100*2450mm (L*W*H)	1650*1200*3400mm (L*W*H)
2	Garbage entrance size	1100*500*500mm (L*W*H)	400*400mm (W*H)	400*500mm (W*H)
3	Incineration capacity	10~30kg/h	30~50kg/h	100~150kg/h
4	Induced draft fan	None	0.55kW	0.75kW
5	Burner	1sets	2sets	
6	Voltage	220V	220V or customizable	
7	Fuel	Standard configuration is diesel;LPG and natural gas are optional.		
8	Fuel consumption per hour	6-10L/H	15-20L/H	20-25L/H
9	Total power	0.5kW	1.5kW	1.6kW
10	Feeding method	Manual		
11	Ignition method	Automatic		
12	Incineration temperature	Main combustion chamber 600~800 degrees	Main combustion chamber 600~800 degrees, Secondary combustion chamber 900~1100 degrees	
13	Floor space	2*2.5m	2*2.5m	2*2.5m
14	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete		
15	Chimney	3m	3m	6m
16	Weight	1500kg	2100kg	2700kg

MEDICAL WASTE INCINERATOR

high-end

YHI series, Capacity 30~500kg/h



Product Introduction:

YHI series is the high-end model within our YHIF product line, widely used for medical waste incineration.

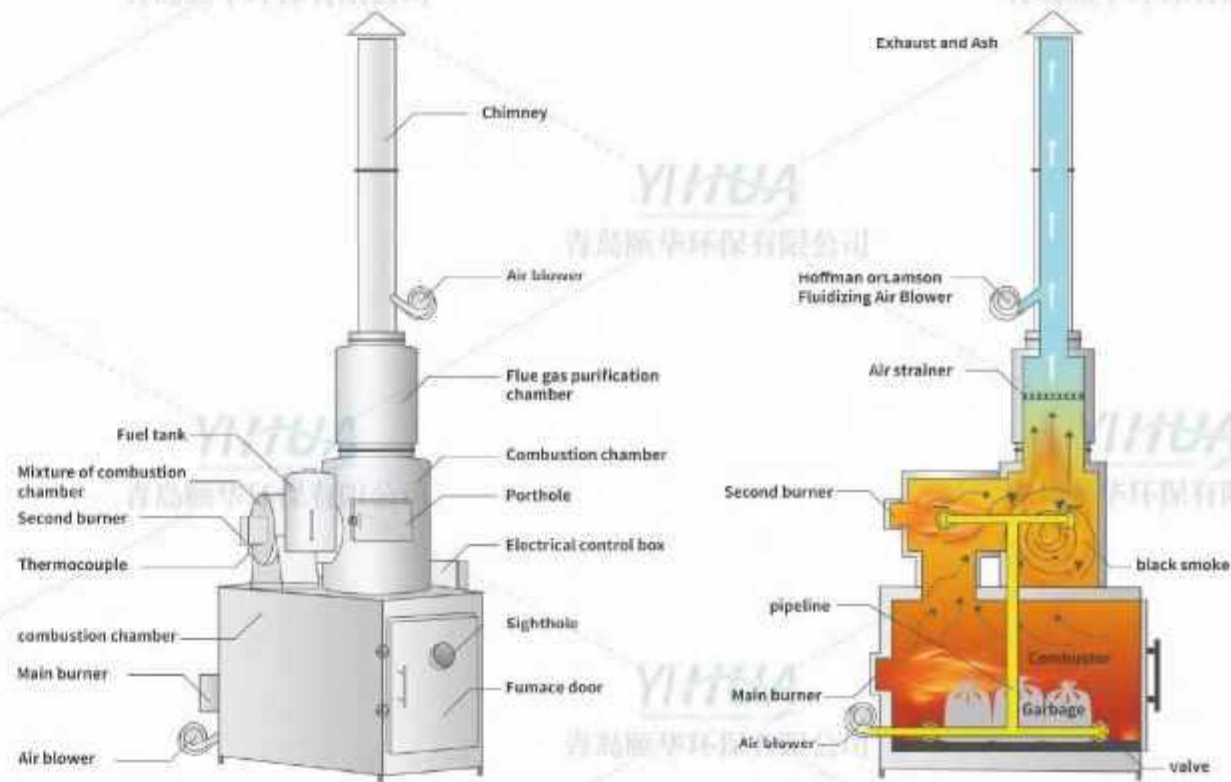
With a simple structure and well-thought-out design, this series is ideal for treating medical waste in hospitals or clinics. Under anaerobic or oxygen-limited conditions, the generation of harmful carbon oxides is minimized. The combustible gases produced are then fully decomposed at high temperature in the secondary combustion chamber, achieving high-temperature inactivation (sterilization), as well as harmless and volume-reduced treatment of medical waste. By adding air recirculation technology and a blower, the incineration process becomes more complete, and the exhaust gas treatment is more environmentally friendly.



Application Scenarios



Schematic Diagram



	Name	YHI-50	YHI-100	YHI-200
1	Dimensions	1800*1150*2850mm(L*W*H)	1500*1100*2800mm (L*W*H)	2300*1500*3000mm (L*W*H)
2	Garbage entrance size	600*600mm(W*H)	700*800(W*H)	750*900(W*H)
3	Incineration capacity	30~50kg/h	100~120kg/h	150~200kg/h
4	Induced draft fan	0.75 kW	0.75 kW	1.1 kW
5	Blower	0.18kW	0.18 kW	0.18 kW
6	Burner	2 sets		
7	Voltage	220V or customizable		
8	Fuel	Standard configuration is diesel; LPG and natural gas are optional.		
9	Fuel consumption per hour	Main: 6-10L/H Auxiliary: 7-12L/H	Main: 6-10L/H Auxiliary: 7-12L/H	Main: 10-15L/H Auxiliary: 15-20L/H
10	Total power	1.5 kW	2 kW	2 kW
11	Feeding method	Manual		
12	Ignition method	Automatic		
13	Incineration temperature	Main combustion chamber 600~800 degrees, Secondary combustion chamber 900~1100 degrees		
14	Floor space	3*1.5 m	3*2 m	3.5*2 m
15	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete		
16	Chimney	φ273*6000 mm	Φ303*6000 mm	Φ303*6000 mm
17	Weight	2300kg	3500kg	4600kg

	Name	YHI-300	YHI-500
1	Dimensions	2500*1600*3950mm (L*W*H)	3200*2200*5150mm (L*W*H)
2	Garbage entrance size	900*1000mm (W*H)	1100*1200mm (W*H)
3	Incineration capacity	200-300kg/h	350-500kg/h
4	Induced draft fan	2.2kW	3kW
5	Burner	2sets	
6	Voltage	220V or customizable	
7	Fuel	Standard configuration is diesel; LPG and natural gas are optional.	
8	Fuel consumption per hour	Main: 20-25L/H Auxiliary:25-30L/H	Main: 25-30L/H Auxiliary:30-40L/H
9	Total power	3kW	4kW
10	Feeding method	Manual	
11	Ignition method	Automatic	
12	Incineration temperature	Main combustion chamber 600~800 degrees, Secondary combustion chamber 900~1100 degrees	
13	Floor space	4.5*2.5m	5*3m
14	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete	
15	Chimney	Φ400*6000mm	Φ460*9000mm
16	Weight	5600kg	8400kg

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Animal Incinerator

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ANIMAL INCINERATOR standard

YHIA series, Capacity 30~500kg/batch



The YHIA series is specifically designed for the treatment of small to medium-sized animal remains, safely incinerating pets (dogs, cats, rabbits, etc.), livestock (pigs, sheep, poultry), laboratory animals, and wild animal carcasses. The furnace is equipped with a manual/electric sliding bed for smooth entry and exit before and after incineration, facilitating dignified farewells at veterinary clinics and pet funeral homes, while also meeting the efficient and harmless disposal needs of livestock farms and animal quarantine stations.

This incinerator employs high-temperature pyrolysis + secondary combustion technology to completely oxidize and decompose animal carcasses within a sealed furnace, achieving harmless and volume-reduced treatment.

Multi-functional, eliminating limitations of single-scenario use.



Application Scenarios

Livestock farm



Slaughterhouse



Animal research center



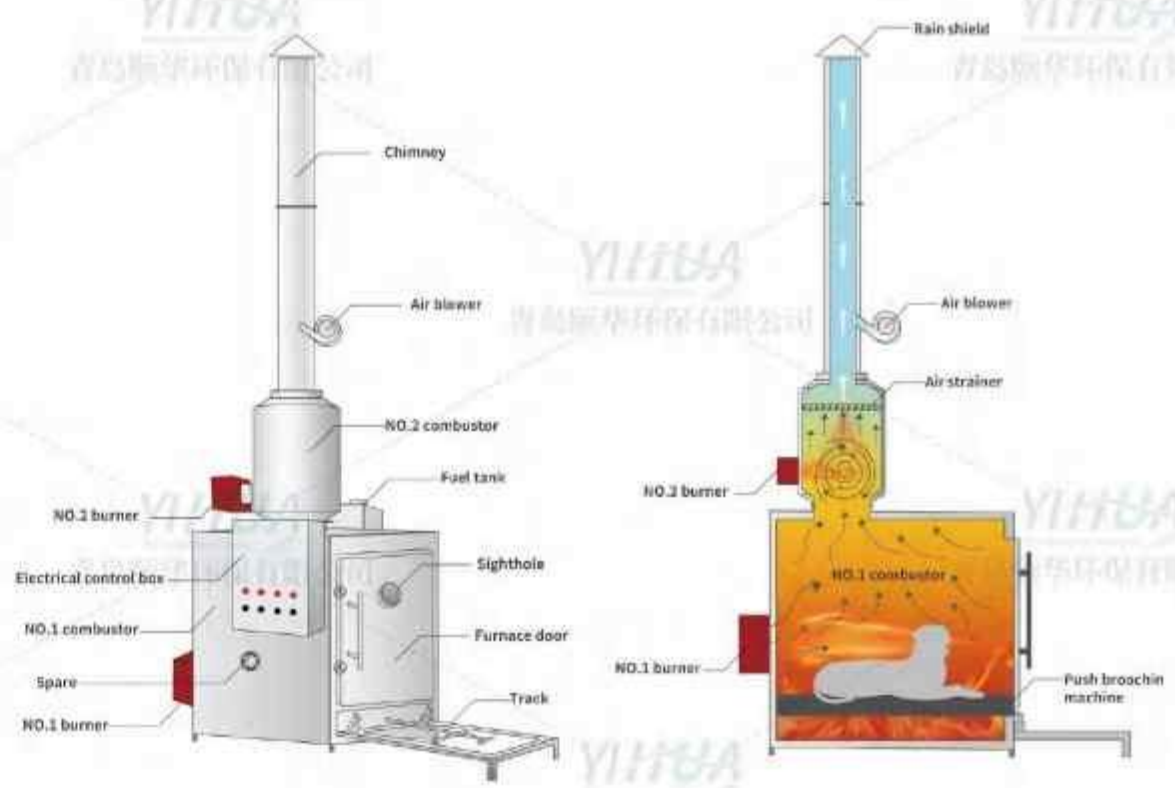
Animal quarantine station



Horse farm



Schematic Diagram



	Name	YHIA-50	YHIA-100	YHIA-200
1	Dimensions	1400*1000*2100mm (L*W*H)	1500*1100*2200mm (L*W*H)	2000*1300*2600mm (L*W*H)
2	Entrance size	1100*600*500mm (L*W*H)	1200*600*500mm (L*W*H)	1400*800*700mm (L*W*H)
3	Incineration capacity	30~50kg/batch	80~100kg/batch	150~200kg/batch
4	Induced draft fan	0.75kW	0.75kW	1.1kW
5	Blower	None	None	0.18kW
6	Burner	2 sets		
7	Voltage	220V or customizable		
8	Fuel	Standard configuration is diesel; LPG and natural gas are optional.		
9	Fuel consumption per hour	15-30L/h	20-35L/h	35-45L/h
10	Total power	1.5kW	1.5kW	2kW
11	Feeding method	Manual		
12	Ignition method	Automatic		
13	Pull-out bed	Standard configuration is manual, electric version available as an upgrade option.		
14	Incineration temperature	Main combustion chamber 600~800 degrees, Secondary combustion chamber 900~1100 degrees		
15	Floor space	2.5*3m	2.5*3m	4*6m
16	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete.		
17	Chimney	3m		6m
18	Weight	2000kg	2200kg	3200kg

	Name	YHIA-300	YHIA-500
1	Dimensions	2500*1400*2400mm (L*W*H)	2900*1800*2800mm (L*W*H)
2	Entrance size	1800*900*900mm (L*W*H)	2300*1200*900mm (L*W*H)
3	Incineration capacity	300~400kg/batch	500~600kg/batch
4	Induced draft fan	1.1kW	1.1kW
5	Blower	0.37kW	0.37kW
6	Burner	3sets	
7	Voltage	220V or customizable	
8	Fuel	Standard configuration is diesel; LPG and natural gas are optional.	
9	Fuel consumption per hour	45~60L/H	50~70L/H
10	Total power	3kW	3kW
11	Feeding method	Manual	
12	Ignition method	Automatic	
13	Pull-out bed	Standard configuration is manual, electric version available as an upgrade option.	
14	Incineration temperature	Main combustion chamber 600~800 degrees, Secondary combustion chamber 900~1100 degrees	
15	Floor space	5*3m	6*4m
16	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete.	
17	Chimney	6m	
18	Weight	4600kg	6200kg

PET INCINERATOR high-end

YHIAP series, Capacity 30~500kg/batch



YHIAP Series is a dedicated cremation model for pet cremation and large animal harmless disposal.

Upgraded from the YHIA series, it delivers eco-friendly, stable smokeless emissions via optimized flue gas treatment, with easy operation and compact structure. Its reinforced three-layer furnace body (carbon steel/stainless steel outer layer, insulation middle layer, refractory inner layer) ensures high durability, superb heat insulation and stable high-temperature combustion, with an enlarged top secondary combustion chamber further enhancing the smokeless incineration effect. By adding air recirculation technology and a blower, the incineration process becomes more complete, and the exhaust gas treatment is more environmentally friendly.

It comes standard with a manual push-pull bed (electric version optional) for convenient loading and unloading. The user-friendly design eliminates bending when placing pets and collecting ashes, honoring the final farewell between pets and owners in every thoughtful detail.



Application Scenarios

Pet funeral homes



Veterinary clinics



Animal rescue stations



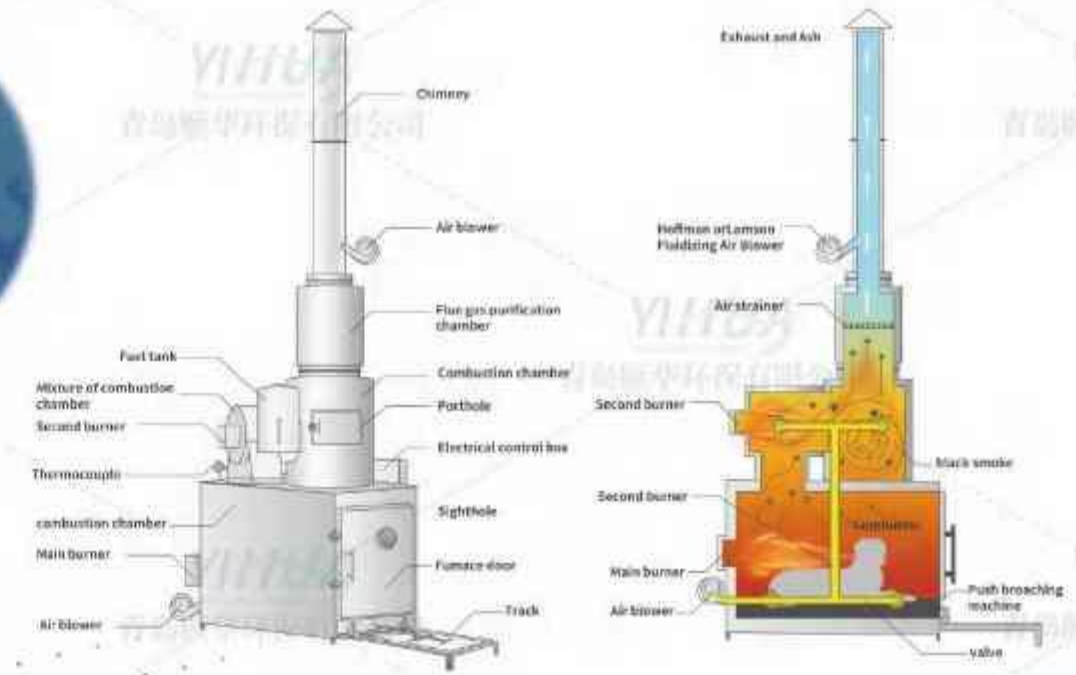
Pet cemeteries



Police dog bases



Schematic Diagram



	Name	YHIAP-50	YHIAP-100	YHIAP-200
1	Dimensions	1400*1300*2800mm (L*W*H)	1500*1400*3400mm (L*W*H)	2300*1500*3000mm (L*W*H)
2	Entrance size	1100*600*500mm (L*W*H)	1200*700*500 (L*W*H)	1400*800*700 (L*W*H)
3	Incineration capacity	30~50kg/batch	100~120kg/batch	150~200kg/batch
4	Induced draft fan	0.75kW	0.75kW	1.1kW
5	Blower	0.18kW	0.37kW	0.18kW
6	Burner	2 sets		
7	Voltage	220V or customizable		
8	Fuel	Standard configuration is diesel; LPG and natural gas are optional.		
9	Fuel consumption per hour	15~30L/h	20~35L/h	30~45L/h
10	Total power	1.5kW	2kW	2kW
11	Feeding method	Manual		
12	Ignition method	Automatic		
13	Pull-out bed	Standard configuration is manual, electric version available as an upgrade option.		
14	Incineration temperature	Main combustion chamber 600~800 degrees, Secondary combustion chamber 900~1100 degrees		
15	Floor space	2.5*3m	2.5*3m	4*6m
16	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete.		
17	Chimney	3m		6m
18	Weight	2800kg	3200kg	4600kg

	Name	YHIAP-300	YHIAP-500
1	Dimensions	2500*1600*3600mm (L*W*H)	2900*2000*3900mm (L*W*H)
2	Entrance size	1800*900*900mm (L*W*H)	2300*1200*900mm (L*W*H)
3	Incineration capacity	300-400kg/batch	500-600kg/batch
4	Induced draft fan	1.1kW	1.1kW
5	Blower	0.55kW	0.55kW
6	Burner	3sets	
7	Voltage	220V or customizable	
8	Fuel	Standard configuration is diesel; LPG and natural gas are optional.	
9	Fuel consumption per hour	40-60L/H	50-70L/H
10	Total power	3kW	4kW
11	Feeding method	Manual	
12	Ignition method	Automatic	
13	Pull-out bed	Standard configuration is manual, electric version available as an upgrade option.	
14	Incineration temperature	Main combustion chamber 600~800 degrees, Secondary combustion chamber 900~1100 degrees	
15	Floor space	5*3m	6*4m
16	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete	
17	Chimney	6m	
18	Weight	4600kg	6500kg

03

Human Cremation Incinerator



SIMPLE

YHIR-200D



Product Introduction:

YHIR-200D series is specifically designed for the treatment of human remains, safely cremating individuals of all ages. The furnace is equipped with a manual/electric sliding bed for smooth entry and exit before and after cremation, facilitating dignified farewells at funeral homes and crematoriums, while also meeting the efficient and harmless disposal needs of hospitals and mortuaries.

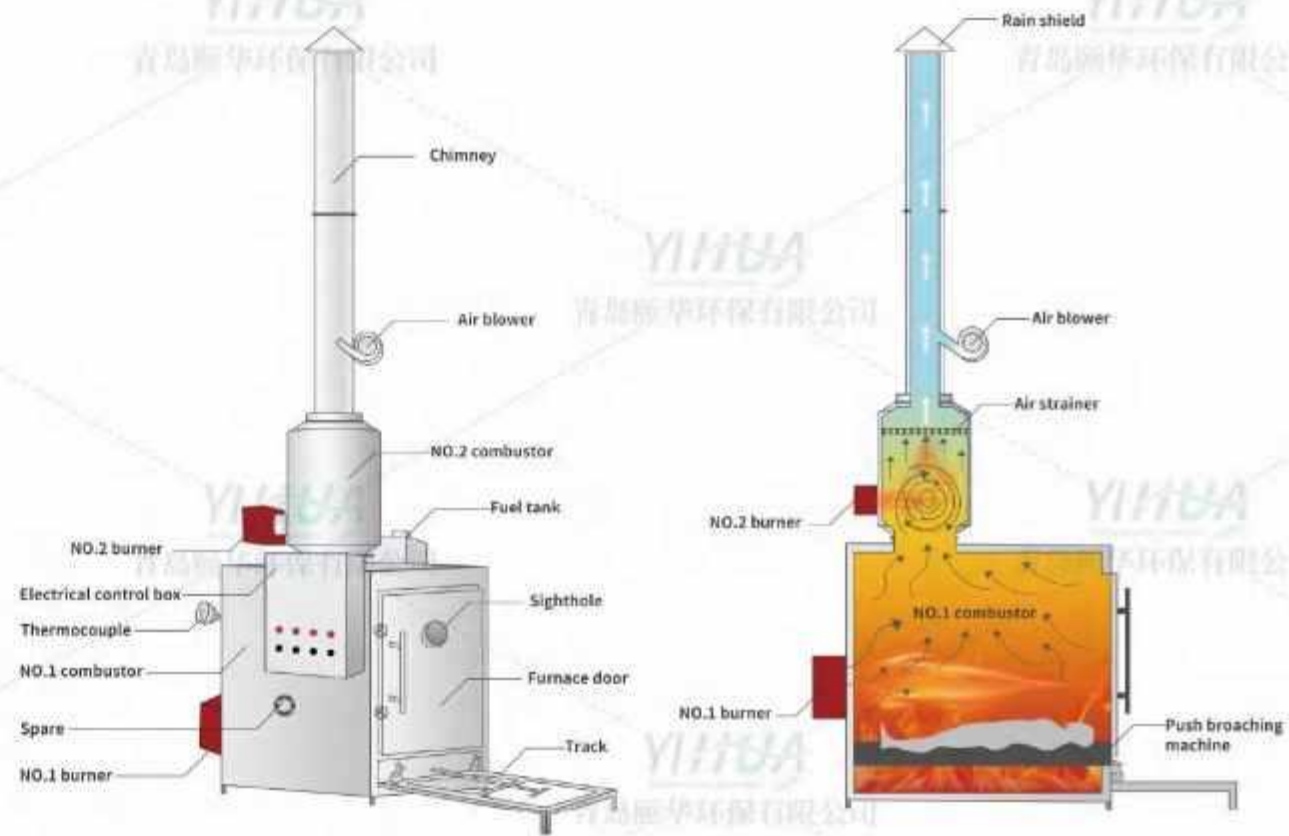
This cremator employs high-temperature pyrolysis + secondary combustion technology to completely oxidize and decompose human remains within a sealed chamber, achieving harmless and volume-reduced treatment.



Application Scenarios



Schematic Diagram



	Name	YHIR-200D Parameter
1	Dimensions	2900*1600*2700mm(L*W*H)
2	Furnace entrance size	2300*1000*800mm(L*W*H)
3	Main combustion chamber booster	100,000 kcal (2 units)
4	Secondary combustion chamber booster	100,000 kcal
5	Main combustion chamber temperature	700-900 degrees Celsius
6	Maximum operating temperature	1200 degrees Celsius
7	Fuel	Light diesel
8	Voltage	220V
9	Blower power	0.55kW
10	Induced draft fan	1.1kW
11	Total installed power	2.2kW
12	Average energy consumption	10-15kg/unit
13	Incineration bed control method	Electric
14	Ignition method	Automatic
15	Continuous incineration time	70minutes/unit
16	Average cooling time	15-20minutes/unit
17	Unit noise level	Less than 65 decibels
18	Designed operating life	15years
19	Material	Casing:Carbon steel, Furnace:High-alumina refractory bricks, Insulation:Alumina silicate fiber
20	Chimney	6 meters
21	Package size	Package1:1580*590*9750mm, Package2:1500*1520*1700mm, Package3:3080*1860*1950mm

MOVABLE

 YHIR-200Y



Product Introduction:

YHIR-200Y series human crematorium has a small footprint, a more robust structure, and is convenient for outdoor use. It employs the latest triple combustion technology to ensure emissions comply with environmental regulations.

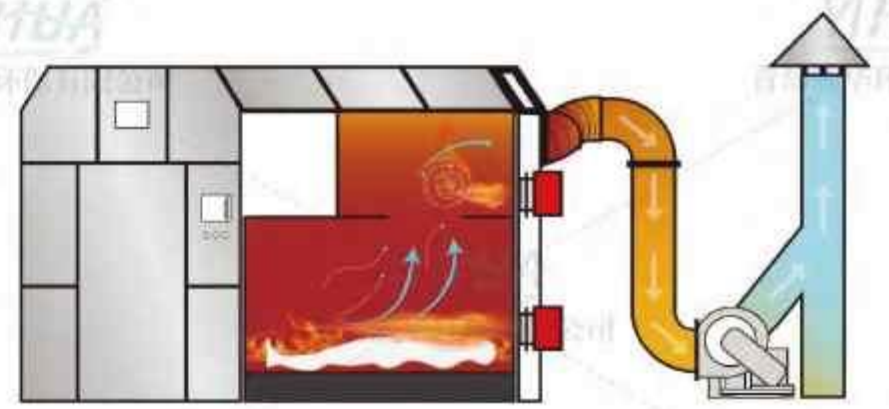
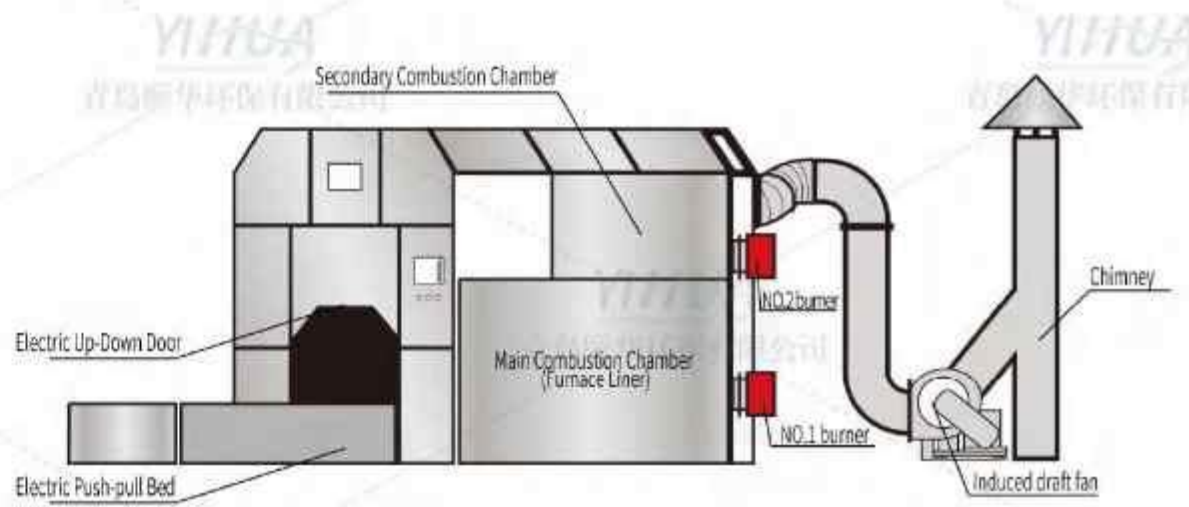
The device features a smooth, corrosion-resistant stainless steel shell and uses an automatic push-pull bed to transfer the deceased to a completely sealed chamber.

The main combustion chamber operates at 800-1000°C, using oxygen-enriched air preheated to 300°C to burn off most of the flue gas.

The exhaust gas then enters a specially structured secondary combustion chamber for thorough collision and pollutant decomposition. When the flue gas temperature is below 700°C, the burner provides auxiliary combustion; when the temperature is above 700°C, oxygen-enriched self-sustaining combustion takes place.

Finally, the exhaust gas undergoes complete flameless combustion through a gas passage and underground flue, and is then discharged cleanly by an induced draft fan.

Application Scenarios



	Name	YHIR-200Y Parameter
1	Incinerator	3500*1800*2600mm(L*W*H) Total Length:6500mm
2	Garbage entrance size	2200*800*700mm
3	Induced draft fan	3kW
4	Blower	0.75kW
5	Burner-1	350,000 kcal
6	Burner-1	100,000 kcal
7	Voltage	220V or customizable
8	Fuel	Standard configuration is diesel;LPG and natural gas are optional.
9	Fuel consumption per hour	7-12L
10	Total power	≤5kW
11	Feeding method	Automatic
12	Ignition method	Automatic
13	Incineration temperature	Main combustion chamber 700-900 degrees
14	Maximum temperature	1200 degrees
15	Continuous cremation time	70 min/batch(Complete cremation)
16	Mean cooling time	15-20 minutes/A corpse
17	Machine noise	<65 dB
18	Designed operating life	15 years
19	Total weight	9000kg

IMMOVABLE

YHIR-200J



Product Introduction:

YHIR-200J human crematorium is constructed from high-quality carbon steel and meets human cremation standards.

This equipment uses an automatic loading system that delivers the remains into the incineration chamber via a push-pull conveyor bed.

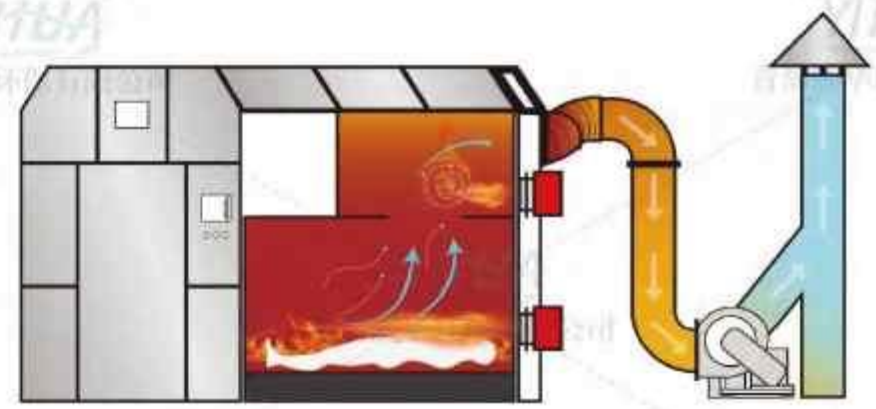
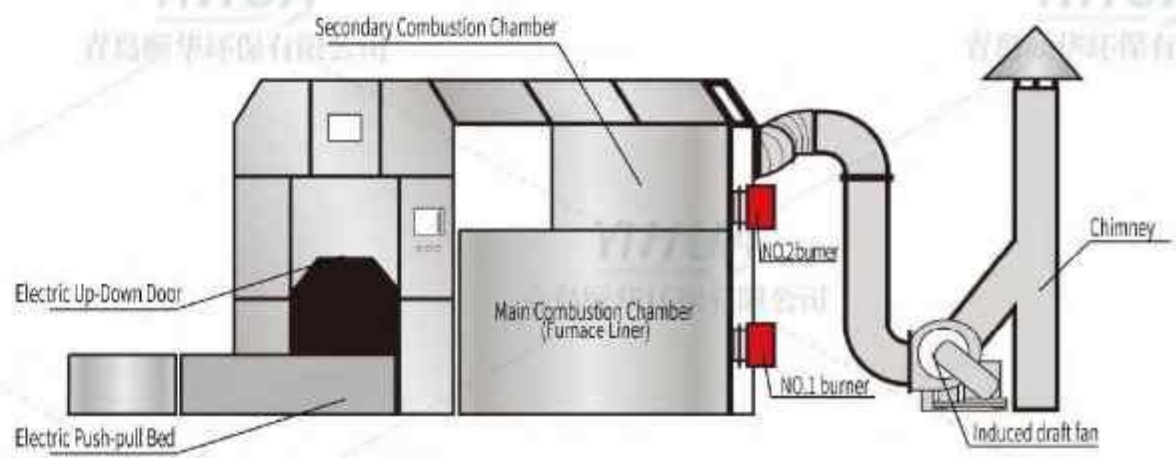
The chamber is then sealed with an electric door, creating a completely enclosed incineration environment.

The main combustion chamber operates at 800–1000°C.

The exhaust gases then enter a secondary combustion chamber at 1000–1200°C, where harmful substances are completely decomposed, eliminating black smoke and odors.

Finally, an induced draft fan uses negative pressure to extract the purified flue gas, which is then discharged through a chimney.

Application Scenarios



	Name	YHIR-200J Parameter
1	Incinerator	3500*1800*2600mm(L*W*H) Total Length:6500mm
2	Garbage entrance size	2200*800*700mm
3	Induced draft fan	3KW
4	Blower	750W
5	Burner-1	350,000 kcal
6	Burner-1	100,000 kcal
7	Voltage	220V or customizable
8	Fuel	Standard configuration is diesel;LPG and natural gas are optional.
9	Fuel consumption per hour	7-12L
10	Total power	≤5KW
11	Feeding method	Automatic
12	Ignition method	Automatic
13	Incineration temperature	Main combustion chamber 700~900 degrees
14	Maximum temperature	1200 degrees
15	Continuous cremation time	70 min/batch(Complete cremation)
16	Mean cooling time	15-20 minutes/A corpse
17	Machine noise	<65 dB
18	Designed operating life	15 years
19	Total weight	9000kg

IMMOVABLE

YHIR-200G



Product Introduction:

YHIR-200G series features an elegant stainless steel panel and integrates automatic feeding, two-stage combustion, and flue gas treatment functions, achieving clean, smokeless, and odorless emissions.

The outer casing of this equipment uses an automatic push-pull conveyor bed to deliver the remains into the completely sealed incineration chamber.

The main combustion chamber operates at 800–1000°C, using oxygen-enriched air preheated to 300°C to burn off most of the flue gas.

The exhaust gas then enters a specially structured secondary combustion chamber for thorough collision and pollutant decomposition. When the flue gas temperature is below 700°C, the burner provides auxiliary combustion; when the temperature is above 700°C, oxygen-enriched self-sustaining combustion occurs.

Finally, the exhaust gas undergoes complete flameless combustion through a gas passage and underground flue, and is then discharged cleanly by an induced draft fan.

Application Scenarios

Funeral homes and crematoriums



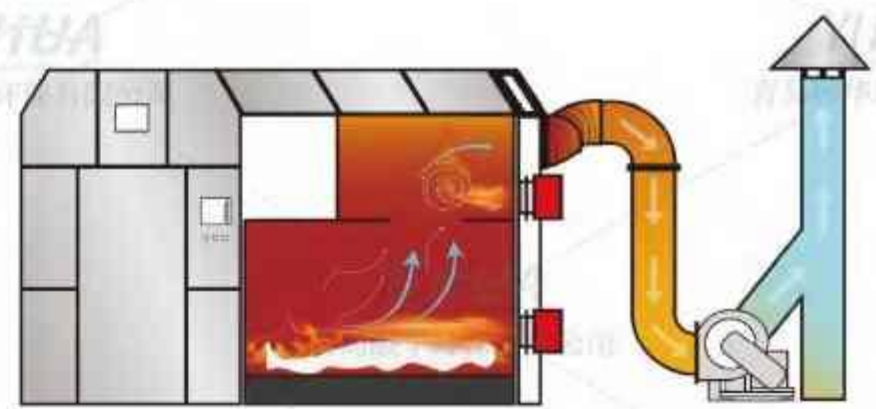
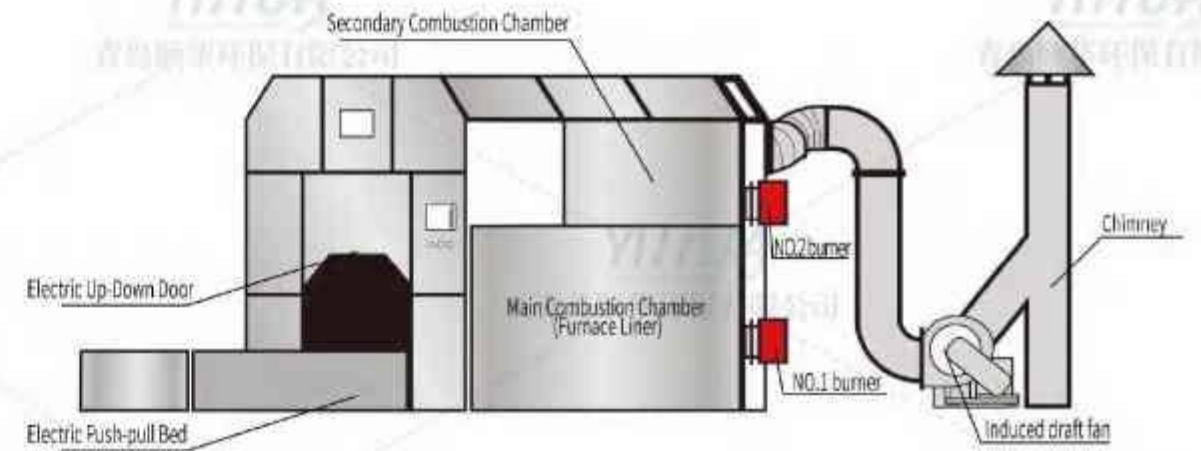
Cemeteries and public cemeteries



Public health emergency response agencies



Medical research/body donation institutions



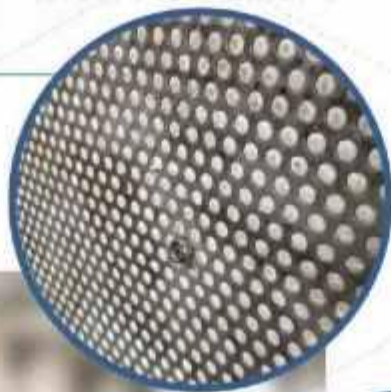
	Name	YHIR-200G Parameter
1	Dimensions	L*W*H=3500*2150*2650mm Total length of cremation machine:6500mm
2	Total weight	11t
3	Furnace size	L*W*H=2300*800*700mm
4	Main combustion chamber booster	350,000kcal
5	Secondary combustion chamber booster	100,000kcal
6	Furnace working pressure	-5~-35Pa
7	combustor operating temperature	700~900°C
8	firewall	Can withstand 1200°C
9	Firewall construction joint	≤3mm
10	Surface temperature	Observation hole handle temperature rise<60°C
11	Induced draft fan	5kW
12	Blower	2.2kW
13	Total power	<8kW
14	Fuel consumption	45-55L/H
15	Fuel	Standard configuration is diesel;LPG and natural gas are optional.
16	Continuous cremation time	70 min/batch(Complete cremation)
17	Bier service life	600-800 batch
18	Voltage	380V
19	Service life	More than 10 years
20	Energy saving system life	More than 10 years
21	Machine noise	<65dB
22	peculiarity	Integrated whole plant, easy installation, flexible movement and simple operation. Compact structure with complete functions and low failure rate.

04

Low Temperature Baking Incinerator



YHHCI



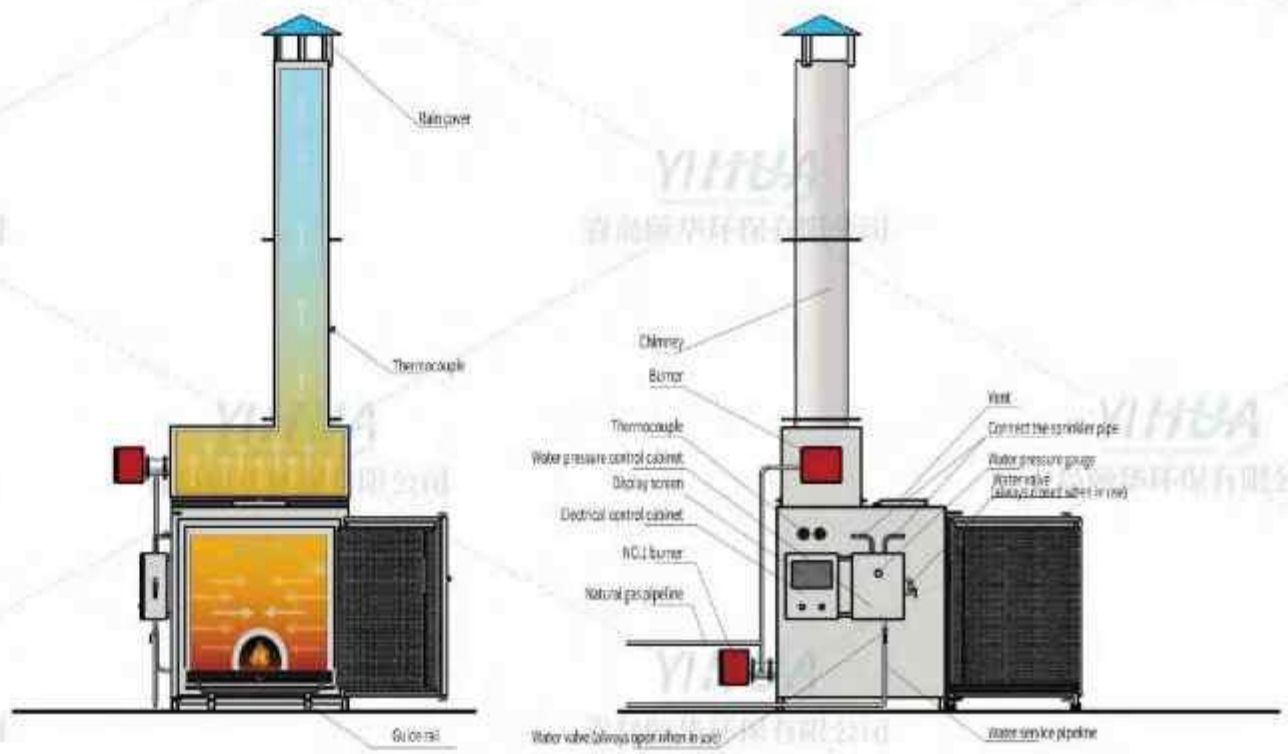
Product Introduction:

The YHHCI series low-temperature carbonization incinerator is a core piece of equipment for the anoxic pyrolysis carbonization of organic solid waste, independently developed by our company.

The low-temperature carbonization furnace (thermal cleaning furnace) is a highly efficient cleaning device used to remove coatings and oil stains from workpiece surfaces. It employs temperature-sensing protection and secondary combustion technology to achieve non-destructive processing and smokeless emissions; heated by natural gas, it is low-cost, energy-saving, and environmentally friendly. The equipment is safe, reliable, highly automated, and easy to operate, suitable for the cleaning and regeneration of various metal parts.

Application Scenarios

Schematic Diagram

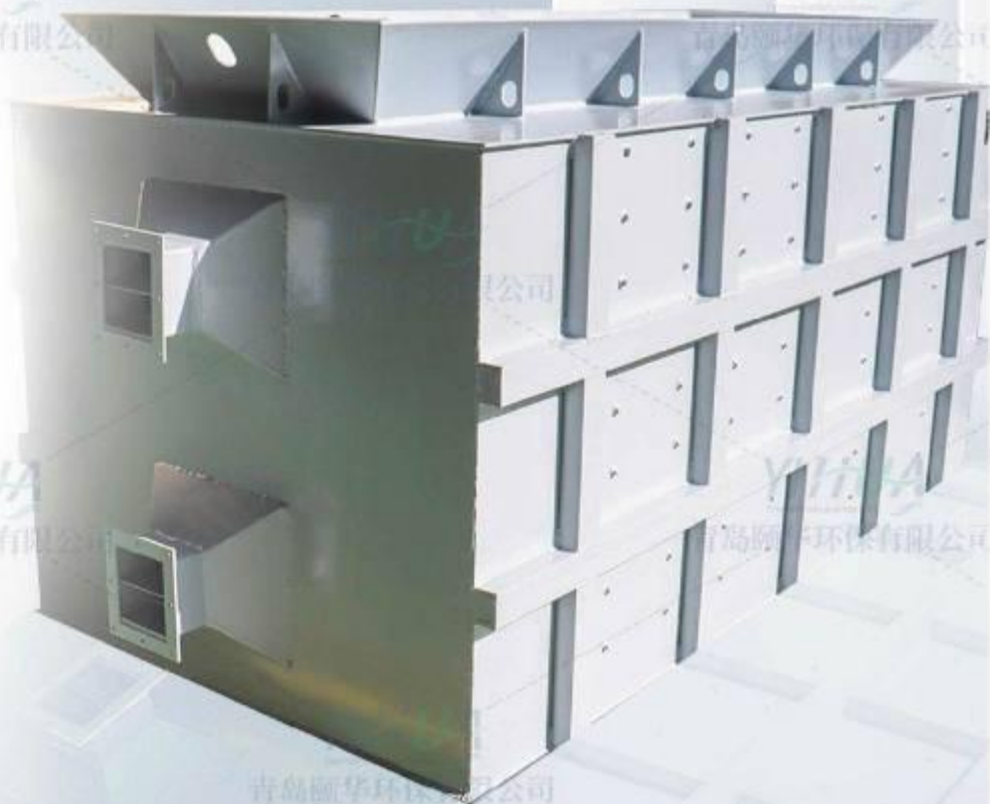


	Name	Parameter
1	Effective volume	$\approx 1\text{m}^3$
2	Fuel	Pipeline gas
3	Fuel consumption per hour	$\approx 10\text{-}15\text{m}^3/\text{h}$
4	Total power	1.1kW
5	Feeding method	manual
6	Ignition method	automatic
7	Incineration temperature	$\approx 420^\circ\text{C}$ (Adjustable)
8	Run time	Adjustable
9	Furnace size	1000*1000*1200mm (L*W*H)
10	Boundary dimension	1500*1300*2400mm (L*W*H)
11	Push broaching machine	900*800mm
12	Material	The shell is steel plate welding, and the firewall is the fixing of aluminum silicate refractory cotton+stainless steel mesh.

	Name	Qty
1	Incinerator door	1
2	Blowout safety door	1
3	Exhaust stack	1
4	PLC controlling system	1
5	Burner	2
6	Push broaching machine	1
7	Rail	1
8	Chimney	3m
9	Thermocouple thermometer	3
10	Accessories: burner accessories, gaskets, mounting bolts, instructions	1

05

Gasification Incinerator



YHIS SERIES

Capacity 60-400kg/h



Gasification Incinerator:

The YHIS series is an energy-saving, professional-grade gasification system independently developed by our company, specifically designed for the harmless treatment of organic solid waste and agricultural and forestry waste.

This series relies on the kinetic energy of a blower, requiring no additional fuel. Through optimized reaction chamber design and an integrated flue gas purification system, it achieves stable anaerobic pyrolysis, efficient syngas production, and ultra-low pollutant emissions. Its core advantages include a small footprint, cost savings, and long-term stable and reliable operation. The rigorous internal design significantly improves the purity of the syngas, ensuring the entire process is completely smokeless and odorless, strictly complying with international environmental emission standards.



Application Scenarios

1 Agricultural waste



2 Industrial solid waste scraps



3 Community small-scale waste disposal



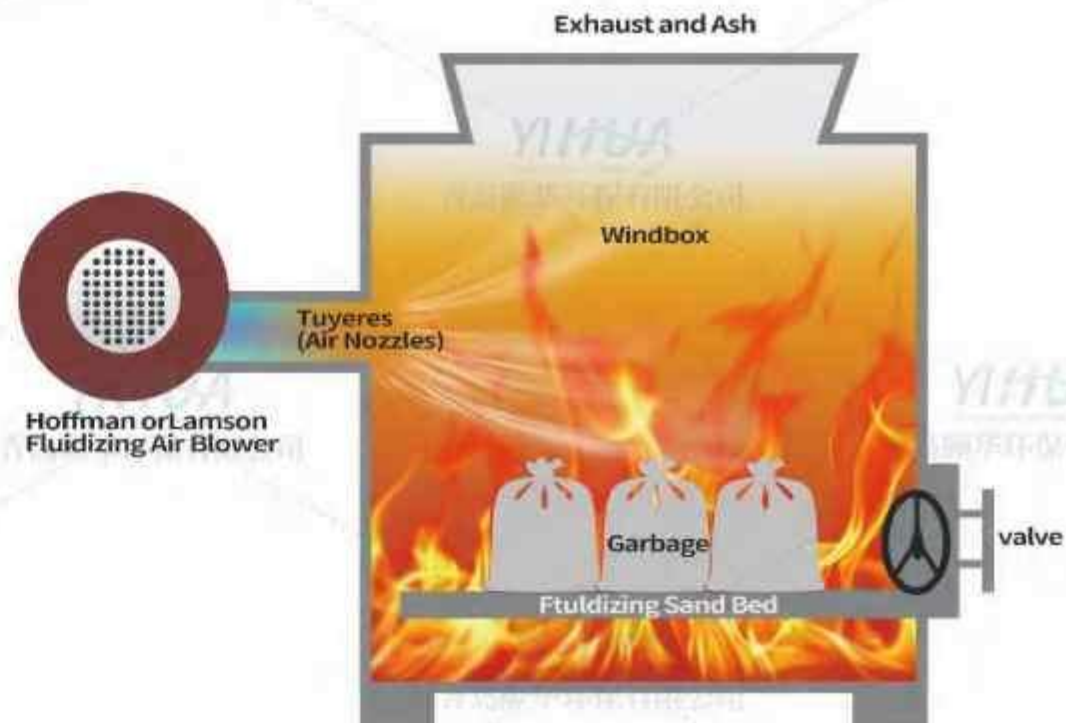
4 Non-infectious medical waste



5 Emergency disposal waste



Schematic Diagram



	Name	YHIS-100	YHIS-200	YHIS-300
1	Dimensions	1500*660*800mm(L*W*H)	2400*920*1000mm(L*W*H)	3800*1150*1200mm(L*W*H)
2	Entrance size	580*210mm(L*W*H)	1200*330mm(L*W*H)	2000*380mm(L*W*H)
3	Incineration capacity	60-120kg/h	200-300kg/h	300-400kg/h
4	Blower	0.55kW	1.1kW	1.1kW 2sets
5	Voltage	220V or customizable		
6	Fuel	No fuel required		
7	Feeding method	Manual		
8	Ignition method	Automatic		
9	Incineration temperature	600~800 degrees		
10	Floor space	1500*660mm	2400*920mm	3800*1150mm
11	Steel plate thickness	Outer 4mm, Inner 8mm	Outer 6mm, Inner 10mm	Outer 6mm, Inner 12mm
12	Weight	245kg	740kg	1100kg



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06

Top-opening Incinerator

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YHID SERIES

Capacity 50-300kg/h



Top-opening Incinerator

YHID series incinerators feature a top-opening furnace door and a wide-mouth furnace design. Their core advantage lies in the ability to directly dump waste using a forklift, significantly reducing the intensity of manual feeding. They are particularly suitable for processing large, bulk, or heavy-duty waste. The products are fully customizable; dimensions, number of burners, and materials can all be configured to meet specific needs, making them multi-functional.

The furnace lining uses high-alumina refractory castable with a ceramic fiber insulation layer, resulting in a furnace surface temperature $\leq 60^{\circ}\text{C}$ and high thermal efficiency. A single furnace can alternately process municipal solid waste, industrial waste, agricultural film, and dead animals, catering to needs from small farms to large industrial parks.



Application Scenarios

Mixed waste from construction sites



Wood processing waste



Municipal waste disposal sites



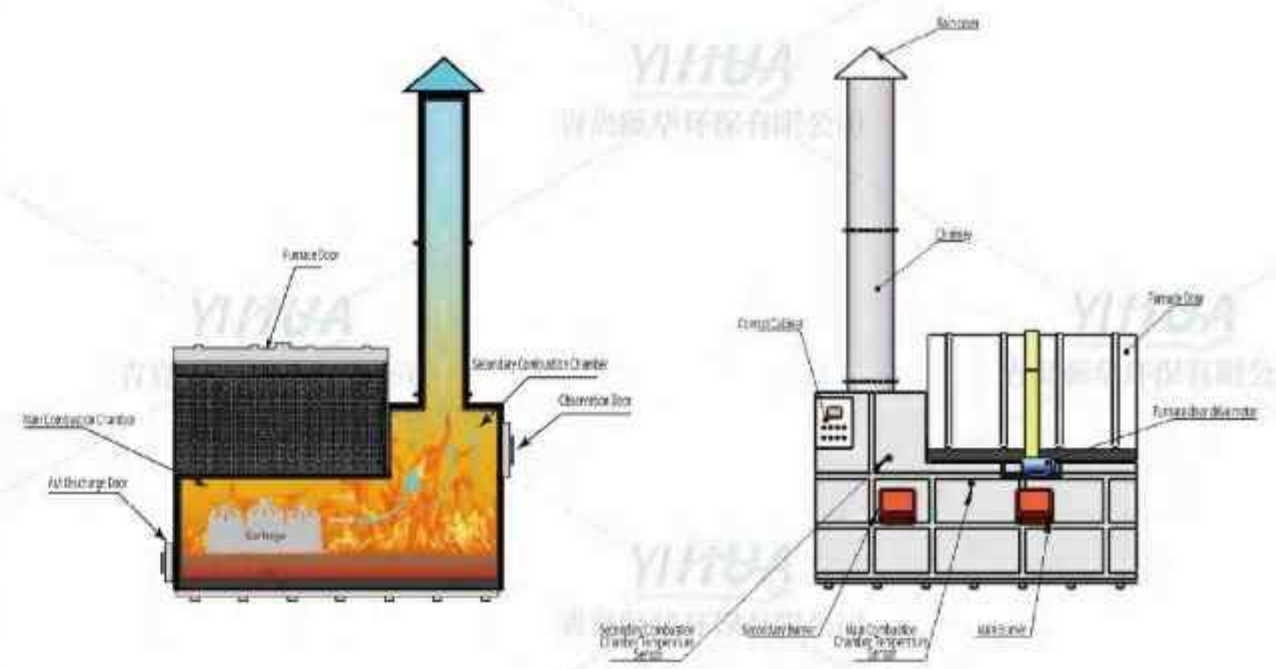
Solid waste from industrial parks



Agricultural waste



Schematic Diagram



	Name	YHID-50	YHID-100	YHID-200
1	Dimensions	2800*1500*1780mm(L*W*H)	3000*1800*2080mm(L*W*H)	7050*2400*2800mm(L*W*H)
2	Garbage entrance size	1300*700*1000mm(L*W*H)	1500*1000*1300mm(L*W*H)	4000*1700*1500mm(L*W*H)
3	Blower	0.37kW	0.55kW	1.5kW
4	Induced draft fan	0.75kW	1.1kW	2.2kW
5	Burner	2 sets	3sets	3sets
6	Voltage	220V or customizable		
7	Fuel	Standard configuration is diesel; LPG and natural gas are optional.		
8	Fuel consumption per hour	20~30L/h	30~40 L/h	100 L/h
9	Total power	1.5kW	3kW	5kW
10	Feeding method	Manual		
11	Ignition method	Automatic		
12	Incineration temperature	The main combustion chamber is 760-980 degrees Celsius, the secondary combustion chamber is 980-1200 degrees Celsius.		
13	Floor space	3500*2500mm	3000*1800mm	7100*2400mm
14	Material	Shell: Welded steel plate. Firewall: monolithic prefabrication of refractory bricks and refractory concrete		
15	Chimney	3m		
16	Weight	2400kg	3400kg	6000kg

07

Exhaust Gas Treatment



EXHAUST GAS TREATMENT

This series of devices can be flexibly selected according to different incineration requirements and emission standards. All models are made of carbon steel by default, and can be upgraded to 304 stainless steel (corrosion resistant, high temperature resistant, suitable for high humidity or acidic flue gas environments).



Type

A

Spraying + Demisting

Treatment Effect:

Emissions are small white wisps; complete smokelessness can be achieved under small-volume conditions.

Core Components:

Spray scrubbing tower (neutralizes acidic gases with alkali solution)
High-efficiency demister (removes water mist carried in the flue gas)

Applicable Scenarios:

Suitable for situations where visual smoke levels are important but strict monitoring is not required, such as small farms, pet crematoriums, and rural waste incineration.

Features:

Simple structure, low investment, and low operating costs.

Type
B

Heat Exchanger + Bag Filter

Treatment Effect:

Emissions are white smoke (condensation of water vapor after cooling by the heat exchanger); completely smokeless operation is possible under small-volume conditions.

Core Components:

Flue gas heat exchanger (optional waste heat recovery)
Bag filter (highly efficient capture of fine dust and activated carbon powder adsorbed with dioxins)

Applicable Scenarios:

Applications with high flue gas temperature, high dust content, but low acidity, such as drying industrial waste, agricultural straw, and wood scraps incineration.

Features:

The heat exchanger can recover waste heat for preheating combustion air or heating, reducing operating energy consumption; the bag filter has a dust removal efficiency of $\geq 99.9\%$.



Type
C**Spray scrubbing + Demisting + Heat Exchanger + Bag Filter****Treatment Effect:**

Completely smokeless, supports professional emission testing, meets EU industrial emission standards.

Core Components:

Spray scrubbing tower (high-efficiency acid removal)
Demister
Flue gas heat exchanger (optional waste heat utilization)
Bag filter (high-efficiency capture of fine dust and activated carbon powder adsorbed with dioxins)

Applicable Scenarios:

Medical waste incineration, industrial hazardous waste treatment, centralized animal culling treatment centers, areas with strict environmental regulations.

Features:

Overall removal rate of over 99%, colorless and odorless emissions, passes environmental impact assessment acceptance.



Product Accessories



Bone grinder

- available for purchase



Animal cremation urns

- available for small quantities