ZHUCHENG HOLY SHIELD ENVIRONMENTAL TECHNOLOGY CO., LTD.

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SOLID WASTE DISPOSAL SOLUTION PROVIDER

COMPANY PROFILE

As a high-tech environmental protection enterprise integrating production, academia and research, Holy Shield is committed to providing R & D, design and construction, equipment manufacturing and integration services in the field of environmental protection.

The Company has advanced processing equipment and a standardized workshop of about 13,000m^2.The Company is now a member of China Association of Environmental Protection Industry and a governing unit of Environmental Protection Industry Association of Weifang City.

The Company is located in Zhucheng Economic Development Zone, known as the dinosaur capital, in the southeast of Shandong Peninsula, bordering Qingdao,a famous seaside city in the east, and Rizhao, an emerging port in the south.The Company enjoys excellent location advantages, convenient transportation and complete infrastructure.

Scientific Research

The Company has long maintained in-depth technical cooperation with many well-known universities and experts such as scholars from Yunnan University, University of Shanghai for Science and Technology, Qingdao University of Science and Technology, Shandong University of Science and Technology, Liu Xinxin, a Taishan scholar and etc. The Company's R&D team members have more than 1,000 cases of field experience and rich professional background.

The Company has participated in the R&D of the "Clean Utilization of Organic Solid Waste" project (initiated by the Ministry of Ecology and Environment) and the discussion of the "Technological Innovation of High-temperature Pyrolysis Gasifier" initiative (led by the Chinese Research Academy of Environmental Sciences). Since its establishment, it has completed over 1,000 high-quality equipment and projects in the waste incineration field. Its products are exported to more than 20 countries and regions. Holy Shield holds over 40 patents, including a smokeless pyrolysis gasifier for domestic waste (Patent No.: 2017109088577) and a movable bed incinerator for animal carcasses (Patent No.: 2017101208161). Its waste incineration equipment has been tested by an authoritative third party, with test results exceeding national emission standards.ce and Technology,

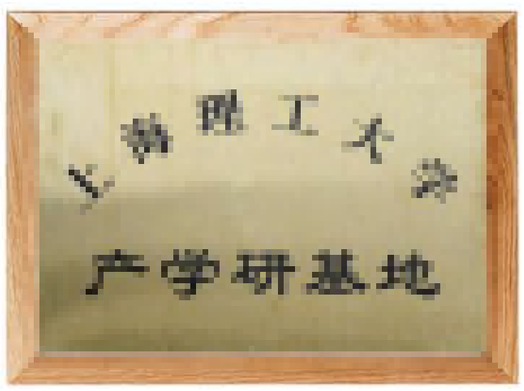
Integration of Industry, Academia & Research

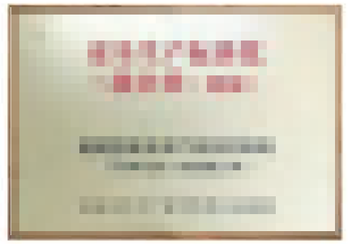
Thanks to the Industry- Academia -Research base that the Company is currently building with many universities, such as Shandong University of Science and Technology and Yunnan University,we have strong customized design, manufacturing and service capabilities. The Company has complete production and testing equipment, complete varieties and specifications, and the product quality has been proved to be reliable and stable. It can provide global users with perfect services such as technical consultation, process design, engineering construction, site layout, equipment installation and debugging.

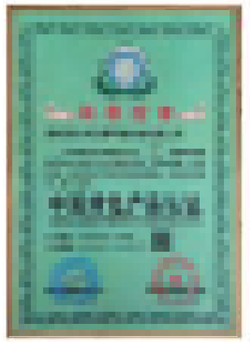
The Company passed the IS09001 Quality System Certification, 15045001:2018 Occupational Health and Safety Management System Certification, Service System Certification, Environmental System Certification, and Safety Production Standardization Certification, and was recognized as a national high-tech enterprise.

HONORARY QUALIFICATIONS

ENDORSEMENTS







Milestones

Holy Shield has successfully served more than 1,000 enterprises and institutions, such as Hohhot Housing and Urban-Rural Construction Bureau, Orqen Zizhiqi Housing and Construction Bureau, Zhengxiangbai Banner Housing and Construction Bureau, Tongliao Housing and Construction Bureau, Guilin Housing and Construction Bureau, Guangxi, and Cangyuan Housing and Construction Bureau, Yunnan; Xizang Changdu Rural Promotion Bureau, Korean EN, Zhejiang Wenshi Group, Jiangxi Zhengbang Group, China Railway Engineering Group Limited, China Communications Construction, etc. Users can be provided with one-stop project services such as feasibility study, environmental assessment, design, construction, installation and debugging.

In the face of severe environmental pollution, the Company adheres to the business philosophy of "Quality builds the brand, Service creates the future", and constantly strengthens the development and innovation of new products such as domestic waste incineration facilities, centralized medical waste disposal facilities, solid waste treatment and disposal equipment, and harmless biological treatment equipment. Holy Shield has always practiced the concept of green development, promoted ecological civilization and built a beautiful China.

2014

A high-temperature pyrolysis gasifier was successfully developed and applied to treat rural domestic garbage and factory industrial garbage; Zhucheng Holy Shield Environmental Technology Co., Ltd. was established and obtained three system certifications.

2004~2006

Zhucheng Hongli Machinery Factory mainly develops and produces sewage treatment equipment, focusing on the design of sewage treatment projects. Manufacturing, installation, debugging and delivery.

2015

The company entered into a cooperation with the Industry-University-Research Base of Shanghai University for Science and Technology focusing on high-difficulty wastewater

2017

The horizontal small pyrolysis gasifier was successfully developed, and the third-party monitoring results showed that it was superior to the national standard and was granted a patent. Two sets of pyrolysis furnaces with daily treatment of 5 tons of domestic waste in Fandi, Yangshuo, Guilin, Guangxi; Imported Grain Inactivated Industrial Pyrolysis Gasifier introduced by Lanzhou Imported Grain Inspection.

2018

A vertical small-sized high-temperature pyrolysis gasifier for domestic waste was finally developed successfully.In Cangyuan, Yunnan Province, 34 sets of high-temperature pyrolysis furnaces with a daily processing capacity of 2 tons of domestic garbage were successfully awarded the bid. The first high-temperature pyrolysis gasifier in Inner Mongolia with a daily discharge capacity of 2 tons was successfully installed in Saihan District, Hohhot, and it was tested by the Environmental Protection Bureau to be better than the national emission requirements.

The first harmless treatment equipment for sick and dead livestock traders has been successfully developed and exported to Africa, and has been granted a patent.

2019

High Temperature Pyrolysis Gasifier successfully opened the Inner Mongolia market with a daily processing capacity of two tons. Comprehensive Waste Industrial Pyrolysis Gasifier successfully introduced by Jiaodong Airport Customs.

2020

The company has obtained the qualification of a national high-tech enterprise and more than 20 patents. We have won the bid for 15 sets of high-temperature pyrolysis gasifiers (with a daily processing capacity of 2 tons and 5 tons respectively) in Hulunbuir, Inner Mongolia; We have also won the bid for the animal harmless treatment furnace at the laboratory of Tibet Agricultural and Animal Husbandry University.

2021

内蒙古呼伦贝尔中标10套日处理2吨高温热解气化炉;中标印度驻华大使馆机密文件处理用高温热解气化炉;北京房山区大安山乡落地5吨生活垃圾处理项目,通过环保检测并获得北京市政府参事(北京市市政市容管理委员会国体废弃物管理处调研员/中国人民大学环境经济学教授)王维平的认可和推荐

2022

The High-temperature Pyrolysis Furnace with a daily processing capacity of 2 tons and 5 tons of domestic garbage has been successfully deployed in Gansu, Xinjiang and Tibet.The Medical Waste Pyrolysis Furnaces were deployed in Qinghai. After the reform of medical waste disposal standards in Shandong Province, the Medical Waste Pyrolysis Furnaces have been launched as the first project in Rizhao.

The company was awarded the China Productivity Innovation Award.

2023

The Company was granted more than 46 patents for inventions, appearances and utility models, and established branches in Xinjiang and Shenzhen. The Company continued to expand its business network and further consolidated its market position nationwide. The project "High-temperature Pyrolysis Gasifier" was selected into the "Recommended Catalogue of Rural Ecological Revitalization Cases" of China Environmental Protection.

CONTENTS

HIGH TEMPERATURE PYROLYSIS GASIFIER

High-Temperature Pyrolysis Gasifier: Thanks to the adoption of high-temperature pyrolysis gasification technology (3T+E), the flue gas temperature is ≥ 850℃ and the residence time is ≥ 2 seconds, which ensures scientific flue gas turbulence intensity. The secondary combustion chamber is supplemented with excess oxygen, which ensures a volume reduction rate of over 95% and an ignition loss rate of ≤ 5%. After three-stage flue gas filtration, the flue gas emissions are smokeless and odorless, meeting the emission standards.

Essence of High-temperature Pyrolysis Gasifier

——Inhibition of Dioxins

1. The temperature of the primary chamber can reach 550-750℃, and the combustible gas undergoes excess oxygen combustion in the secondary chamber, with the temperature controlled at 850-1200℃ and the gas residence time being ≥2 seconds. This ensures the complete combustion and decomposition of polychlorinated biphenyls (PCBs), residual carbon, and other substances, resulting in an extremely low residual amount of dioxins.
2. The decomposed ammonia-containing substances will be re-synthesized into dioxins when the flue gas is cooled at 250 ℃-300℃ under the condition of catalyst. The high-temperature gas generated by pyrolysis gasification furnace burning quickly enters the quenching tower after coming out of the secondary chamber. The quenching device reduces the high-temperature flue gas from 850℃ to below 200℃ within 2s through a specially designed atomizing nozzle, effectively exceeding the secondary formation conditions of dioxins, thus preventing the secondary generation of dioxins.
(Based on the design and production experience of the Company for more than ten years and the actual operation on site, the high-temperature flue gas is controlled at about 180℃ on average after rapid cooling.)
3. The system is fully enclosed, with no leakage of flue gas, clean and beautiful site, harmless to operators and easy to operate.
All the feeding doors, slag discharging doors and inspection doors are soft sealed, and the furnace body is well sealed, which ensures the effect of controlled oxygen pyrolysis.

Application Scenarios

A variety of solid wastes, including domestic waste from rural areas and military barracks, industrial waste from factories, recyclables from renewable resource recovery, hazardous waste from hospitals and medical waste facilities, as well as waste generated by livestock farms, zoos and pet hospitals.

Technical Comparison

Low-temperature Incinerator

1. Incineration temperature conditions: the incineration temperature is maintained at 200 ℃-300℃, and there is no secondary incineration device, which is not conducive to the degradation of harmful substances and produces a lot of tar.
2.Degree of pollution: insufficient combustion and a large amount of flue gas produce a lot of dioxin, nitrogen oxides and fly ash pollutants, which can not guarantee the tail gas to satisfy the emission standard.
3.Residue amount: insufficient combustion, some substances that are difficult to be degraded are also difficult to be removed at low temperature, which leads to a large number of residual residues.
4.Exhaust gas treatment: there is no perfect exhaust gas treatment, so that it is impossible to ensure that the flue gas reaches the emission standard.
5.The basis of incineration: it does not meet the incineration requirements of the Pollution Control Standard for Domestic Burning (GB1848501014).

High-temperature Pyrolysis Gasifier

1. Temperature conditions of incineration: the temperature in the primary chamber is ≥550 ℃, and the secondary combustion is ≥850℃, which effectively removes the harmful substances of dioxins produced by incineration.
2.Degree of pollution: after full incineration, the amount of flue gas and particulate matter produced after gasification is very small, and no tar is produced, and the tail gas emission can be effectively guaranteed to satisfy the requirements.
3.Amount of residue: the residue after being completely gasified at high temperature can be effectively decomposed, so that the residual amount could be ≤5%.
4.Exhaust gas treatment: Perfect exhaust gas treatment, qualified gas emission.
5.The basis of incineration: it satisfies the incineration requirements of the Standard for Pollution Control of Domestic Waste Incineration (GB184852014).

Domestic Waste High-temperature Pyrolysis Gasifier

Current Pollution Status of Rural Domestic Waste

1. The quantity of waste is enormous and its composition is becoming increasingly complex.
2. Given the rising proportion of industrial products in daily life, the composition of domestic waste is growing more complex. According to surveys, the average daily per capita rural domestic waste is 0.8kg, with the annual nationwide total approaching 300 million tons.
3. The rural domestic waste is difficult to collect and treat due to indiscriminate dumping.
4. Rural residents live scattered in settlements, and garbage collection and transportation systems in most areas are underdeveloped.The random dumping and stacking of garbage has occupied a lot of land, polluted water sources and become a breeding ground for pathogens such as flies and mosquitoes. If the garbage is piled up in the open air for a long time, flammable gases such as methane and malodorous gases are likely to be produced; once the garbage undergoes spontaneous combustion or encounters an open fire, it can easily cause fires or even explosions.
5. In some areas, urban garbage is concentrated and discharged to rural areas, which increases the pressure on the rural ecological environment.

Four Characteristics of Domestic Waste Incinerator

1. The domestic waste incinerator allows safe observation of the incineration process through the furnace opening, and its fuel is light diesel oil.
2. This device adopts a labyrinth-type flow guide structure, which can treat bacteria-containing harmful gases more thoroughly and thus greatly save energy.
3. The odorous and harmful gases generated while solid waste is dehydrated and carbonized in the furnace undergo secondary incineration through the special labyrinth-type flow guide structure inside the furnace chamber, with the incineration temperature reaching 850°C-1200°C. Subsequently, the gases are subjected to high-temperature treatment and sterilization, and finally are decomposed into harmless gases for emission.
4. The equipment's electrical system adopts an automatic control system, featuring temperature setting, automatic temperature control and a digital display.

Technological Process of Rural Domestic Waste Treatment

Step 1

The sorted waste is fed into the primary chamber in batches at the scheduled time.

Step 2

By regulating the air intake volume, the waste in the primary chamber undergoes drying, thermal decomposition, and final complete incineration.

Step 3

The flue gas generated during the drying and thermal decomposition processes enters the secondary chamber.

Step 4

After the combustible components in the flue gas are fully decomposed at over 850°C with a residence time of 2 seconds, they are sent to the subsequent treatment process.

Step 5

In the flue gas quenching tower, the high-temperature gas from the secondary chamber is rapidly cooled from 850°C to 180°C in 2 seconds, which effectively prevents dioxins from secondary synthesis. At the same time, the gas is desulfurized and denitrified through atomization by special nozzles.

Step 6

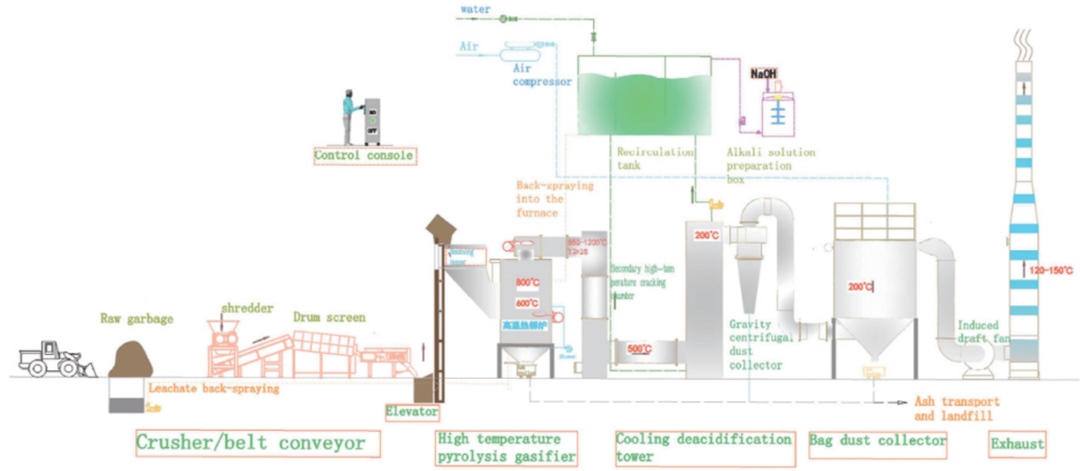
By leveraging the cyclone dust removal function of the medium-efficiency dust collector, the particulate matter in the desulfurized gas—along with the large particulate matter generated during the deacidification process—is effectively separated.

Step 7

The exhausted flue gas can effectively absorb the residual dust, fine particles, heavy metals and dioxins attached to it after passing through the high-temperature pulse bag dust collector. It effectively ensures that the tail gas emission reaches the standard after treatment.

Step 8

After the combustible gas is fully decomposed at a temperature exceeding 850°C for 2 seconds, it is discharged to the subsequent treatment process.



When garbage is fed into the primary chamber and the chamber's temperature reaches and is maintained above 550°C, the auxiliary burner is automatically shut down. Subsequently, once the secondary chamber's temperature reaches and is maintained above 850°C, the auxiliary burner is automatically shut down. This entire process takes approximately 30 minutes. After all auxiliary burners are shut down, the overall operational process continues to run normally, with no need for fuel to support combustion—thus saving operating costs.

Medical Waste High–Temperature Pyrolysis Gasifier

Product Overview

This product features a simple structure and rational design, making it well-suited for treating medical waste in township hospitals and clinics.While medical waste can generate nitrogen oxides under anaerobic or anoxic conditions, the combustible gas produced from it is fully decomposed in the secondary chamber at high temperatures. Through this decomposition, the system thereby achieves the high-temperature sterilization, detoxification, and volume reduction of medical waste.

Applicable Scenarios

This product is applicable to the centralized treatment of various types of medical waste generated by hospitals, research institutes, health and epidemic prevention institutions, patient sanatoriums, medical research institutions, forensic inspection departments, and laboratories.

Applicable Incinerable Substances

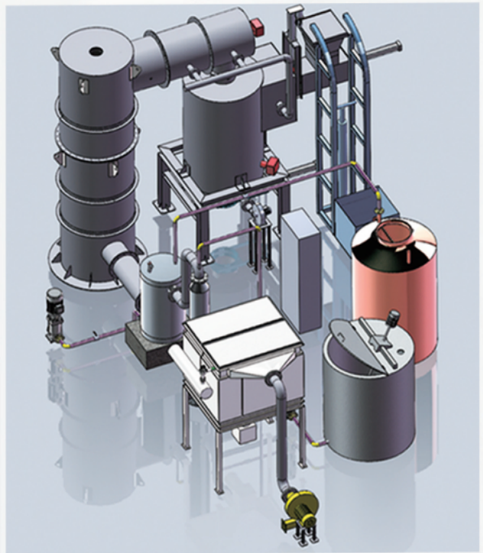
Clinical infectious waste in hospitals, including the waste from patients' surgeries or autopsies, as well as medical materials and medical waste instruments contaminated with blood or human bodily fluids, and other such waste (e.g., waste dressings, waste medical gloves, waste syringes, waste infusion sets, waste blood transfusion sets, etc.)

Product Details

Owing to its characteristics of omnidirectional pollution, acute infectivity, and latent pollution, the harmfulness of the microorganisms contained in medical waste is dozens, hundreds, or even thousands of times greater than that of ordinary domestic waste. If not handled properly, it will inevitably become a source of public harm for hospital infections and the social environment, and even a source of more severe disease epidemics.
Pyrolysis gasification treatment is a chemical process involving deep oxidation. Under high temperatures, medical waste inside the equipment undergoes three stages—drying, pyrolysis, and ignition—and is converted into residue and combustible gas. Meanwhile, pathogenic microorganisms and harmful substances are also effectively destroyed by the high temperatures during the pyrolysis process, thereby achieving effective volume reduction and weight reduction. This technology is suitable for various types of infectious medical waste. As the mainstream technology in the medical waste treatment sector, it is further the preferred choice for hospitals across multiple townships, clinics, and medical waste treatment stations.

When garbage is fed into the primary chamber and the chamber's temperature reaches and is maintained above 550℃, the auxiliary burner is automatically shut down. Subsequently, once the secondary chamber's temperature reaches and is maintained above 850℃, the auxiliary burner is automatically shut down. This entire process takes approximately 30 minutes. After all auxiliary burners are shut down, the overall operational process continues to run normally, with no need for fuel to support combustion—thus saving operating costs.

Industrial Waste High–temperature Pyrolysis Gasifier



Product Overview

This product adopts a new-type high-temperature pyrolysis gasification technology, featuring a treatment process that combines primary pyrolysis gasification, circular air supply, secondary combustion, and afterburning treatment. Combustible gas is fully decomposed in the secondary chamber at a high temperature of 850℃-1200℃, thus achieving the detoxification, volume reduction, and resource utilization of solid waste.

Product Characteristics


Smokeless and Odorless Emissions Up to Standard


High-Temperature Pyrolysis Gasification Technology


Simple Structure Easy to Operate

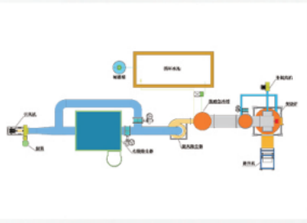

Free Installation & Lifelong Service

Specifications

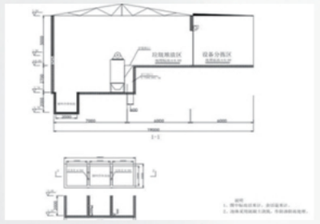
Items \ Models	HLPG-20	HLPG-30	HLPG-50	HLPG-150	HLPG-300	HLPG-500
Incineration capacity	10 - 20kg/batch 3-6 batches/day	20 - 30 kg/batch 3-6 batches /day	30 - 50 kg/batch 3-6 batches /day	100 - 150 kg/batch 3-6 batches/day	200 - 300 kg/batch 3-6 batches/day	300 - 500 kg/batch 3-6 batches/day
Dimension of the primary chamber (mm)	600*400*462	1200*480*550	1500*620*750	1780*760*900	1850*900*1050	2650*1100*1250
Chimney (Outer diameter: mm)	Φ140	Φ159	Φ219	Φ219	Φ530	Φ620
Oxygen supply fan (power)	0.37kw	0.37kw	0.37kw	0.75kw	1.5kw	3kw
Auxiliary burner of the primary chamber	Power: 0.13kw	Power: 0.13kw	Power: 0.13kw	Power: 0.13kw	Power: 0.13kw	Power: 0.13kw
	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg
Auxiliary burner of the secondary chamber	Power: 0.13kw	Power: 0.13kw	Power: 0.13kw	Power: 0.13kw	Power: 0.17kw	Power: 0.17kw
	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg	Fuel consumption: 2.5-5kg	Fuel consumption: 5-10kg	Fuel consumption: 5-10kg
Operating voltage	380V or 220V	380V or 220V	380V or 220V	380V or 220V	380V or 220V	380V or 220V
Weight (kg)	1500	2000	3000	4000	8500	12000

One-stop Engineering Service


On-Site Research


Scheme Design


Customized Production


Planning Drawings

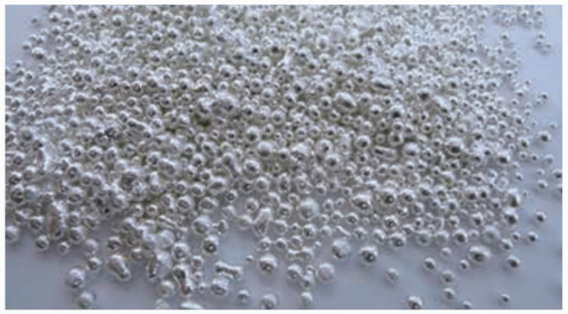

Construction Guidance

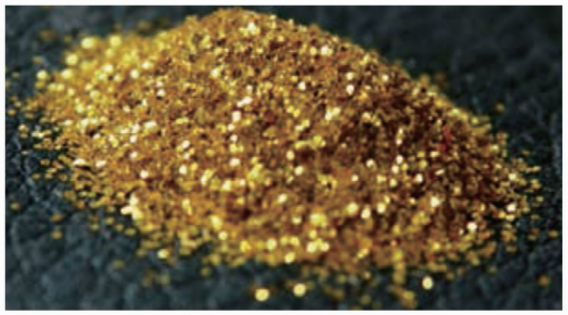

Installation & Commissioning

Precious Metal Recovery Incinerator

Product Overview

The incinerator for precious metals adopts high-temperature pyrolysis and gasification technology, and is equipped with independent primary and secondary chambers. The temperature of the primary chamber ranges from 550℃ to 750℃, while the temperature of the secondary chamber can reach 850℃ to 1200℃. It is capable of realizing the reduction, harmlessness, and resource utilization treatment of solid waste containing precious metals.





Applicable Substances

The precious metal incinerator has a wide application scope. It is suitable for both the incineration and recovery of industrial precious metal-containing waste (such as pure rare metals, circuit boards, steel wires, palladium extraction waste, etc.) and the incineration treatment of waste from entities including jewelry processing workshops, gold processing plants, precious metal processing facilities, catalyst recovery units, and steel mills.

Bright Prospects

The industry of incinerator for precious metals has broad prospects. As people's attention to environmental issues continues to grow, incinerators, as one of the important pieces of equipment for treating solid waste, will see their market demand continue to increase year by year in the next few years.

Why us?

- Our product adopts high-temperature pyrolysis gasification technology, which produces no black smoke or peculiar smell during the whole process and meets the environmental protection standard of odor emission. It features a high precious metal recovery rate without damaging the precious metal components.
- It has no requirements on the shape or size of waste and offers wide adaptability. Generally, no pre-treatment (such as crushing) is required for the materials.
- Waste undergoes static gasification and incineration in the furnace, producing minimal dust. Precious metals are barely entrained by dust, and there is no need to equip separate exhaust gas treatment equipment.
- The waste treatment adopts a one-time feeding and continuous operation technology. Operators barely need direct contact with the waste, which fully ensures the health and operational safety of employees and greatly reduces their operational labor intensity.

Livestock and Poultry Harmless Treatment Equipment

Product Overview

The Livestock and Poultry Harmless Treatment Equipment is a type of environmentally friendly equipment specially designed for treating carcasses of livestock and poultry.
It adopts advanced high-temperature pyrolysis gasification technology, which can completely burn the remains of livestock and poultry, and fully decompose harmful gases, achieve smoke-free and tasteless to the greatest extent, and satisfy the emission standards.
Meanwhile, the incinerator for livestock and poultry has the characteristics of high automation, simple operation and small floor space, which can effectively improve the treatment efficiency of dead livestock and poultry and minimize the impact on the environment.

Why is the high-temperature pyrolysis gasifier chosen to treat sick and dead livestock and poultry?

1. Small floor space, simple operation, and convenient maintenance;
2. High-temperature sterilization prevents the spread of pathogens from sick and dead livestock and poultry;
3. Thorough treatment with a small residual amount of ash and residue;
4. Significantly reduces investment and operation costs;
5. High efficiency and short processing time.

Hazards of Poor Disposal of Livestock and Poultry

Poor disposal of livestock and poultry carcasses can bring severe hygiene problems.
The germs and viruses produced by it may spread to humans and other animals, leading to the occurrence and prevalence of diseases.
Harmful substances in animal carcasses that are not incinerated may penetrate into the soil and water sources, causing damage to the ecological environment.

Applicable Scenarios

Livestock and Poultry Farm

Slaughter House

Zoo

Harmless Disposal Center

Centers for Disease Control & Prevention

Laboratory of Agricultural & Animal Husbandry School

Policy Orientation

Relevant authorities attach great importance to the harmless disposal of livestock and poultry. To ensure food safety and public health security, they have issued relevant policies to regulate the harmless disposal of livestock and poultry.
These policies clearly stipulate that wastes such as dead and sick livestock and diseased meat must undergo harmless disposal; their flow into the market or illegal disposal is strictly prohibited. Meanwhile, efforts to crack down on illegal acts will be intensified to safeguard public health and safety.

INTEGRATED WASTE INCINERATOR

Product Overview

To ensure that customs waste does not pose a threat to the public health, Holy Shield has specially developed several incinerators for customs import and export waste treatment. This type of incinerator adopts advanced high-temperature pyrolysis gasification technology, which is capable of carrying out harmless disposal of various types of waste. High-temperature incineration can eliminate pathogens and viruses in the waste, and reduce hazards to the environment and human health. The construction and maintenance of the customs incinerator comply with national standards and specifications, providing strong support for safeguarding public health security.

Applicable Scenarios

Airports

Ports

Customs

Border Inspection Post

Expressway Service Area

Railway

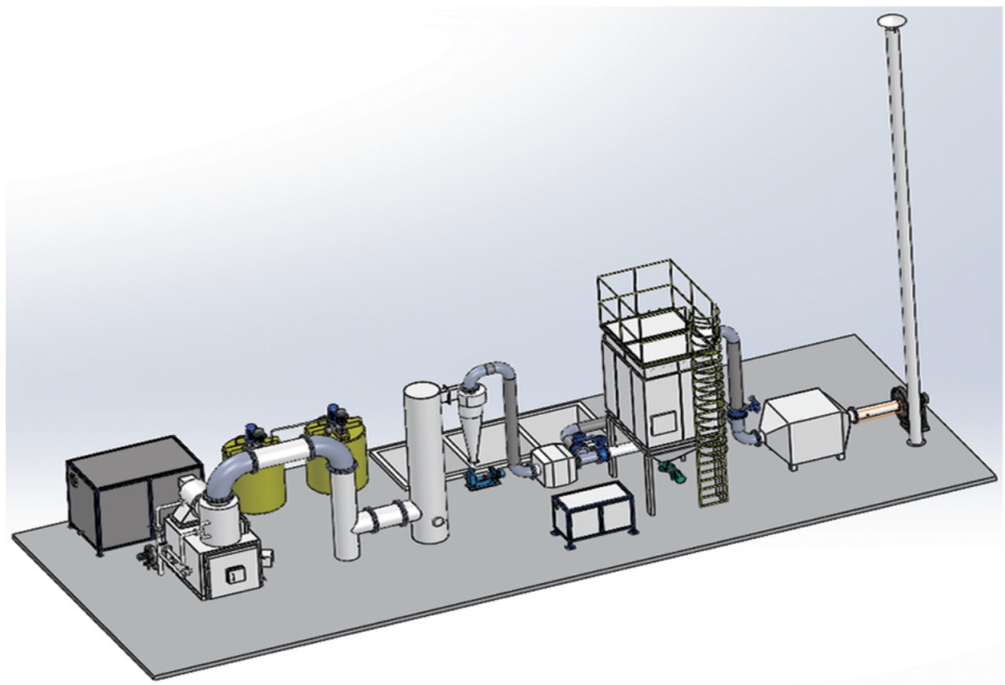
High-temperature Pyrolysis Gasifier for Treating Integrated Waste

Cross-border garbage transfer is a problem that needs close attention at China's entry and exit ports. Port incinerators, as effective treatment equipment, can ensure the timely and safe treatment of cross-border garbage. These incinerators adopt high-temperature pyrolysis gasification process, which has the functions of high-temperature incineration and high-efficiency filtration. Through incineration treatment, viruses and bacteria in garbage can be eliminated and environmental pollution can be prevented. At the same time, the port incinerator is also equipped with an advanced tail gas emission treatment system to ensure that the harmful substances produced by combustion can satisfy the emission standards, thus providing strong support for port environmental protection and personnel health.

Necessity of Treating Integrated Waste

Waste disposal is essential to busy airports. Holy Shield Airport Special Incinerator is efficient, safe and environmentally friendly waste disposal equipment. Thanks to high-temperature pyrolysis and gasification technology, all kinds of waste — including medical waste and domestic waste—can be quickly treated, which ensures that garbage will not pose a threat to the environment and human health. At the same time, this Airport Incinerator also has the characteristics of high energy efficiency and low emissions, creating a cleaner and greener environment for the airport.

Technological Process



Integrated High-temperature Pyrolysis Gasifier

Product Overview

The furnace body comprises the primary chamber, the secondary chamber, the surrounding air mixed combustion chamber, the deacidification chamber, the burner, the oxygen supply fan, the oil tank, the deacidification spray tower, the cyclone dust collector, the bag filter, the induced draft fan, the chimney and an advanced electric control system.

Product Overview

Product Characteristics

1. It has simple structure, and the flue gas is discharged after being cooled to below 180℃ through the deacidification tower.
2. The secondary chamber is often burned above 850℃, and dioxin is completely removed, with less pollution discharge. A small amount of particulate matter in flue gas is removed by deacidification tower and cyclone separator, and then filtered by bag filter to satisfy the national emission standard.
3. The flue gas is instantly cooled to below 180℃ through the spray tower, which inhibits the generation of dioxins again.
4. Ash discharge valve is set at the bottom to facilitate ash removal.
5. The integrated High-temperature Pyrolysis Gasifier has compact structure and small floor space.The construction cost is substantially reduced.

Project Reference Cases


宏利圣得

Customer Testimonoals


宏利环保


热烈欢迎 莅临指导