

Microwave Medical Waste Equipment Offers Solution to Waste Treatment—Tianjin Jurunxin

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As the world is combatting the COVID-19 pandemic, we're seeing a surge in the volume of medical waste. Where do these bio-hazardous wastes go? How can hospitals better dispose of medical waste?

Tianjin [Jurunxin](http://www.IssueWire.com) Environmental Protection Technology Co., Ltd. can provide a professional solution. Tianjin [Jurunxin](http://www.IssueWire.com) Environmental Protection Technology Co., Ltd. is a leading private enterprise with microwave protection Equipment for Environmental Protection and Promotion of Medical Waste, Kitchen, and Domestic Waste Treatment Equipment. In the field of solid and hazardous waste, Jurunxin Environmental Protection is a new brand known as "the terminator of waste disposal". Microwave waste treatment of medical waste is a professional company dedicated to the research of microwave waste treatment technology and the R&D and manufacturing of treatment equipment. The company is headquartered in Xiditou Town, Beichen District, Tianjin, and the equipment development center is located in the Science and Technology Park, Beichen District, Tianjin, an innovative coastal city, with a registered capital of 10 million yuan. The medical waste treatment equipment produced by the company by advanced microwave waste technology from Germany has met the requirements of environmental protection technical specifications through the detection of harmful factors and has obtained the certificate of scientific and intellectual property and patent authorization issued by the Ministry of Science and Technology aims to promote the treatment of medical waste. Produced in microwave technology R&D and manufacturing for many years of practical operation experience, it is a Tianjin high-tech enterprise, Tianjin patent pilot enterprise, and Tianjin patent pilot enterprise.

Traditional medical waste treatment methods have malpractice

A Sanitary landfill is a method to bury the garbage underground and decompose it into harmless substances through the long-term decomposition of microorganisms. If there're no anti-seepage measures for the landfill system of medical waste, various toxic substances, pathogens, radioactive substances, etc. will seep into the soil with rainwater, and harmful substances will enter the human body through the food chain, endangering human health.

Incineration is a chemical process of deep oxidation. Under the action of high-temperature flame, the medical waste in the incineration equipment is transformed into residues and gases through three stages: drying, ignition, and incineration.

The infectious sources and harmful substances in the medical waste can be effectively destroyed during the incineration process. The incineration technology is applicable to all kinds of infectious medical wastes. During incineration, the incinerator is required to have a high and stable furnace temperature, good oxygen mixing conditions, sufficient gas retention time, and other conditions. At the same time, the final discharged flue gas and residues need to be harmlessly disposed of.

Both of the above healthcare waste management methods are not environmentally friendly. Thus more

safe disposal of medical waste is needed.

Microwave – a More Efficient, Safe, and Environment Protected Medical Waste Disposal Solution

Why we should choose medical waste microwave treatment? The medical waste microwave equipment adopts multiple sterilization technologies, which include deep ultraviolet sterilization, steam sterilization, and microwave sterilization. There are two types of medical waste disposal: One is vehicular, or mobile medical waste microwave treatment equipment. The other one is stationary, or on-site medical waste microwave treatment equipment. They are specialized clinical waste disposal equipment.

Vehicular Medical Waste Microwave Treatment Equipment

What is the advantage of vehicular medical waste microwave treatment equipment? It is designed with an integrated vehicular type, which is more flexible to use. And the gas is discharged up to standard with no pollution. It also owns the core technologies. That is an intelligent control system, disinfection chamber, and microwave disinfection system innovation. All of those make higher efficiency and larger processing capacity. In addition, it owns independent intellectual property rights, and the multiple sterilization and disinfection are more thorough through deep ultraviolet, steam, and microwave. The overall treatment technology can reach the international advanced level. Obviously, it is outstanding in clinical waste management.

What's more, the vehicular medical waste microwave treatment equipment can be used in public health emergencies. The local emergency vehicular equipment and the off-site vehicular treatment equipment can break the space restrictions and jointly support "the hardest-hit areas". The equipment carries out rapid sterilization and disinfection of medical wastes and infectious pollutants, so as to achieve rapid deployment and nearby treatment.

Stationary Medical Waste Microwave Treatment Equipment

When we talk about stationary medical waste microwave treatment equipment, it has its suitable place. It is designed for local medical waste disposal. It is suitable for centralized treatment in the medical waste disposal center. The other places, such as large and medium-sized hospitals, shelter hospitals, ports, airports, high-speed railways, and other places with specific disposal needs.

Series of medical waste equipment by [Jurunxin](#)

Medical Waste Shredder

According to the research of scientific researchers, whether it is disinfection, shape destruction and reduction treatment, incinerator, or centralized landfill, it needs to be broken before the next process, which is prone to physical changes and improve the treatment efficiency. The medical waste crusher is driven by a motor with double knife rollers. The blade belongs to a shear-type cutter, which can directly crush the medical waste to the minimum size so that the medical waste can be effectively decomposed and prone to physical changes. Whether it is landfilled or incinerated, it can quickly become harmless substances after crushing.

Incinerator equipment

Medical waste is mostly composed of plastic products, glass products, and residual drugs. If it is

discarded without treatment, it will seriously pollute the living environment and bring potential safety hazards to people's health. The medical waste incinerator is stove equipment specially used to incinerate medical waste and is a necessary waste treatment machine for hospitals.

The medical waste incinerator is composed of four systems: waste pretreatment system, incineration system, smoke biochemical dust removal system, and gas generator (auxiliary ignition and incineration). The medical waste incinerator integrates automatic feeding, screening, drying, incineration, ash removal, dust removal, and automatic control. The medical waste incinerator adopts high-tech measures of high-temperature combustion, secondary oxygenation, and automatic slag unloading to meet the monitoring requirements of sewage discharge.

Other Supporting Equipment

The waste gas purification equipment, sewage treatment equipment, and automatic cleaning of turnover box equipment all can play a vital role in environmental protection and cleaning.

[Jurunxin](#) Comprehensive Strength

The most advanced and environmentally protected methods of medical waste disposal solutions are described below.

The answer is medical waste microwave treatment equipment provided by Tianjin [Jurunxin](#) Environmental Protection Technology Co., Ltd. As one of the top medical waste disposal companies, it has advanced medical waste facilities. Tianjin [Jurunxin](#) Environmental Protection Technology Co., Ltd. is a high-tech private enterprise with microwave disinfection equipment for environmental protection and promotion of medical waste, kitchen, and domestic waste treatment equipment. In the field of solid and hazardous waste, [Jurunxin](#) environmental protection is a new brand known as "the terminator of hazardous waste bacteria"; [Jurunxin](#) is a professional company dedicated to the research of microwave disinfection treatment technology and the R & D and manufacturing of treatment equipment. The company is headquartered in Xiditou Town, Beichen District, Tianjin, and the equipment development center is located in the science and Technology Park, Beichen District, Tianjin, an economically developed coastal city, with a registered capital of 10 million yuan. The medical waste treatment equipment developed by the company by introducing advanced microwave disinfection technology from Germany has met the requirements of environmental protection technical specifications through the detection of authoritative institutions and has obtained the appraisal certificate of scientific and technological achievements and patent authorization issued by the Ministry of science and technology, realizing the harmless treatment of medical waste. Engaged in microwave technology R & D and manufacturing for many years of practical operation experience, it is a Tianjin high-tech enterprise, Tianjin trademark, and Tianjin patent pilot enterprise.

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