

# Industrial Microwave Earthworm Drying Technology

## Introduction Of Microwave Earthworm Drying Machine:

The microwave earthworm drying machine is a device used to dry earthworms using microwave technology. The microwave earthworm drying machine has become an essential tool for the production of high-quality earthworms for various applications, such as agriculture, medicine, and fishing. The machine works by heating the earthworms quickly and evenly using microwaves. This process helps to preserve the nutritional value of the worms while reducing the drying time significantly. The dryer also offers the advantage of eliminating the need for chemical preservatives, which can be harmful to both the environment and the consumer. Moreover, this machine is easy to operate and requires minimal maintenance. It can also be customized to suit different drying requirements, making it suitable for small-scale and large-scale earthworm farmers. In summary, the microwave earthworm drying machine is an innovative solution that offers several benefits, including improved quality of dried earthworms and reduced drying time, making it an ideal choice for earthworm producers.



## Parameter Of Microwave Earthworm Drying Machine:

Equipment Model	LY-100 Industrial Microwave Drying Machine For Earthworm
Rated Input Apparent Power	Customization
Height Of Conveyor	600-1000mm
Inlet And Outlet Height	40-100mm
Width Of Conveyor Belt	750±100mm(Custom-Made)
Microwave Leakage Standard	ISO≤5mw/Cm <sup>2</sup>
Operating Frequency	2450±50Hz
Transmission Speed	0~10m/Min(Adjustable Frequency)

## Feature Of Microwave Earthworm Drying Machine:

- 1.Stainless steel construction:** The drying chamber, trays, and other components of the dryer are made of stainless steel, making it durable and easy to clean.
- 2.Precise temperature and power control:** The machine features temperature and power controls to ensure that earthworms are dried evenly and without burning.
- 3.Digital display:** The dryer's digital display shows the

current operating status, temperature, and drying time.

**4.Efficient energy consumption:** It uses microwave technology, which is more energy-efficient than traditional drying methods.

**5Automatic shut-off:** The machine has an automatic shut-off feature that stops the operation once the drying process is complete, preventing over-drying and saving energy.

**6.Different capacity options:** The machine can come in various sizes, which can cater to the needs of small or large-scale earthworm production.

**7.Hygienic and eco-friendly:** Since the drying process uses microwave technology, it eliminates the need for chemical preservatives, making it a safer, healthier, and more natural method for drying earthworms.

These features make the microwave earthworm drying machine very efficient, reliable, and easy to use, which can help earthworm farmers increase their productivity and profitability.

**Details Displays Of Microwave Earthworm Drying Machine:**



## **Applications Of Microwave Earthworm Drying Machine:**

**1.Worm composting industry:** The machine can be used to dry earthworms for use in worm composting, where the earthworms are used to convert organic waste into high-quality fertilizer.

**2.Animal feed industry:** Dried earthworms can be used as a high-protein feed supplement for animals, such as chickens, ducks, and fish. The machine can produce large quantities of high-quality dried earthworms for animal feed production.

**3.Pharmaceutical industry:** Some species of earthworms contain substances that have medicinal properties, and the machine can be used to dry earthworms for use in pharmaceutical products.

**4.Cosmetics industry:** The mucus and extracts from certain species of earthworms have been found to have skin rejuvenating and anti-aging properties, and the machine can be used to dry earthworms for use in cosmetics production.

**5.Food industry:** Some cultures around the world consume earthworms as food, and the machine can be used to dry

earthworms for use in food processing.

Overall, the microwave earthworm drying machine's versatility and efficiency make it a valuable tool for businesses in various industries that depend on the production of dried earthworms.

### **Advantages Of Loyal Microwave Drying And Sterilization Equipment:**

**1. Energy Efficient:** The equipment uses less energy compared to traditional drying and sterilization methods, reducing energy costs and contributing to a more sustainable food manufacturing process.

**2. Improved Product Quality:** Microwave drying preserves the natural flavors, colors, and nutritional benefits of the food, resulting in a higher quality end product.

**3. Uniform Drying and Sterilization:** Microwave technology allows for even and consistent drying and sterilization, ensuring that all parts of the food are treated equally.

**4. Reduced Microbial Load:** Microwave sterilization can effectively eliminate harmful bacteria and pathogens from the surface of the food, ensuring that it is safe for consumption.

**5. Increased Shelf Life:** The reduction in moisture and microbial load can result in an extended shelf life of the food, reducing waste and enhancing food safety.

**6. Versatility:** Microwave drying and sterilization equipment can be used for a wide range of food products, including fruits, vegetables, meats, and grains, making it a more versatile tool in the food processing industry.

Overall, the benefits of microwave drying and sterilization equipment make it a valuable and cost-effective investment for food manufacturing companies looking to improve efficiency, quality, and safety.



