

# Industrial Microwave Grains And Cereals Drying Technology

## Introduction Of Microwave Grains And Cereals Drying Machine:

Microwave drying is an efficient and modern process used in the food industry to dry grains and cereals. The microwave grains and cereals drying machine uses electromagnetic radiation to produce heat that is then absorbed by the moisture within the product. This results in a fast and efficient drying process that maintains the product's nutritional value, texture, and flavor. The microwave grains and cereals drying machine is constructed with high-quality materials and equipped with modern technologies that ensure uniform heating and low energy consumption. It is easy to operate and requires minimal maintenance. The microwave grains and cereals drying machine is applicable to various types of grains and cereals, including wheat, corn, rice, barley, oats, and more. It is widely used in the food industry for drying, sterilizing, and preserving food products. The machine helps to reduce production costs and increase productivity, making it an ideal investment for food processing companies. Overall, the microwave grains and cereals drying machine is a modern solution for drying grains and cereals quickly, efficiently, and safely, while preserving their quality and nutritional value.



## Parameter Of Microwave Grains And Cereals Drying Machine

Equipment Model	LY-100 Industrial Microwave Drying Machine For Grains And Cereals
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±50Hmz
Transmission Speed	0~10m/Min(Adjustable Frequency)

## Feature Of Microwave Grains And Cereals Drying Machine:

1.Even Heating: The machine uses a microwave heating method that provides even and consistent drying for all grains and cereals.

2.Adjustable Power and Temperature Settings: The machine is equipped with adjustable power and temperature settings that allow the user to customize the drying process according to the specific drying needs of different grains and cereals.

3. Automatic Moisture Control: The machine has an automatic moisture control system that ensures the product is not over-dried, which preserves its nutritional value and prevents it from becoming overly crispy.

4. High Efficiency: The machine is highly efficient and can dry grains and cereals in a fraction of the time compared to traditional drying methods, which makes it an ideal choice for commercial food processing.

5. Safe Operation: The machine is designed to ensure safe operation and comes equipped with various safety features, such as an automatic shut-off feature, to prevent accidents.

6. Easy to Clean and Maintain: The machine is easy to clean and maintain, which ensures a longer life span and consistent performance over time.

### **Details Displays Of Microwave Grains And Cereals Drying Machine:**





### **Applications Of Microwave Grains And Cereals Drying Machine:**

1. Drying red dates: The machine is specifically designed for drying red dates, which are used widely in traditional Chinese medicine and cooking.
  2. Drying other fruits: The machine can also be used for drying other fruits, such as apples, pears, and apricots.
  3. Drying grains and cereals: The machine is suitable for drying grains and cereals such as rice, wheat, corn, and barley.
  4. Drying nuts and seeds: The machine can be used for drying nuts and seeds such as peanuts, almonds, and sunflower seeds.
  5. Drying herbs and spices: The machine can also be used for drying herbs and spices, such as oregano, thyme, and rosemary.
- In summary, the microwave red dates drying machine is a versatile tool that can be used for many applications in the food processing industry.

### **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.

