

# Industrial Microwave Cardboard Drying Technology

## Introduction Of Microwave Cardboard Drying Machine:

Microwave cardboard drying machine is a device that uses microwave technology to dry cardboard faster and more efficiently than traditional drying methods. Microwave cardboard drying machine is an ideal solution for businesses and companies that manufacture cardboard products on a large scale. The drying process is carried out by exposing the cardboard to electromagnetic waves generated by the microwave. The waves cause the water molecules in the cardboard to vibrate and heat up, leading to rapid evaporation of moisture content. The result is a product that is dry and ready for use much faster than using conventional drying methods. The use of the microwave cardboard drying machine is cost-effective as it requires less energy as compared to traditional drying processes while delivering high-quality results. It is also environmentally friendly as it does not produce any harmful emissions into the atmosphere, making it an ideal choice for companies that prioritize sustainability.



## Parameter Of Microwave Cardboard Drying Machine:

Equipment Model	LY-100 Industrial Microwave Drying Machine For Cardboard
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 Cardboard Drying Machine:

1. **Rapid drying:** The microwave cardboard drying machine uses electromagnetic waves that heat up the water molecules in the cardboard, leading to rapid evaporation of moisture content. This results in a faster drying process, making it ideal for businesses that require quick turnaround times.

2. **Energy-efficient:** Microwaves use less energy compared to traditional drying methods, making the microwave cardboard drying machine cost-effective in terms of energy consumption.

3. **Environmentally friendly:** Microwave drying is a clean and green technology that does not produce any harmful emissions, making it an ideal choice for companies that prioritize sustainability.

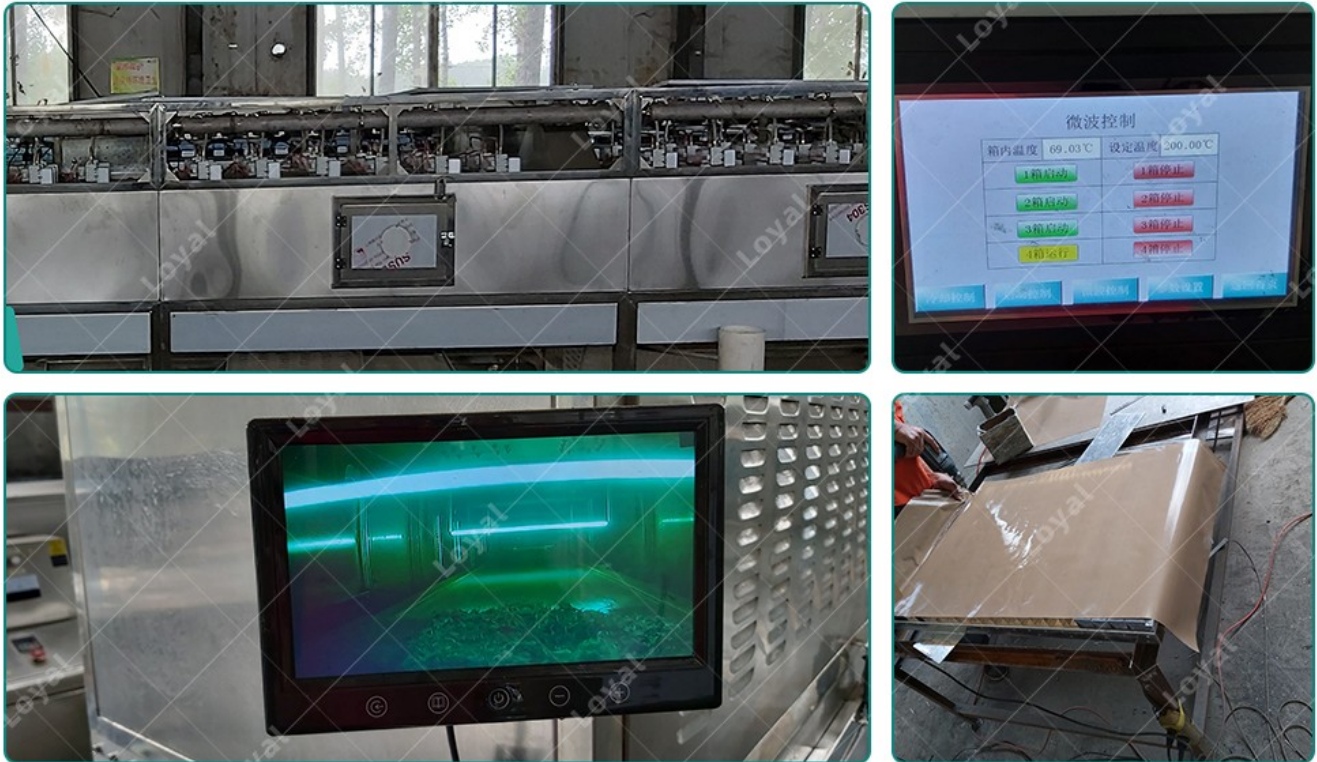
4. **Uniform drying:** The microwave cardboard drying machine ensures that the entire cardboard product is uniformly dried, eliminating any moisture gradient that may cause warping or distortion of the product.

5. **Precise control:** The machine allows for precise control of drying parameters such as temperature, power, and time, ensuring that the cardboard is dried to the desired moisture content.

6. **High-quality results:** Microwave drying preserves the quality of the cardboard product, ensuring that it is strong, durable, and free from defects.

7. **Easy to operate:** The machine is user-friendly and easy to operate, and requires minimal maintenance, making it convenient for businesses.

## Details Displays Of Microwave Cardboard Drying Machine:



## Applications Of Microwave Cardboard Drying Machine:

1. **Food packaging industry:** The machine is used to dry cardboard packaging materials used for food and beverage products such as cereal boxes, pizza boxes, and juice cartons.
2. **Pharmaceutical industry:** The machine is used to dry cardboard packaging materials for drugs and medicines.
3. **Textile industry:** The machine is used to dry cardboard packaging materials for textiles such as clothes, shoes, and towels.
4. **Electronic industry:** The machine is used to dry cardboard packaging materials for electrical and electronic products.
5. **Paper and pulp industry:** The machine is used to dry cardboard packaging materials used for paper and pulp products such as notebooks, tissue paper, and cardboard boxes.
6. **Printing industry:** The machine is used to dry cardboard packaging materials used for printing products such as books, magazines, and brochures.
7. **Automotive industry:** The machine is used to dry cardboard packaging materials used for automotive products such as engine parts, batteries, and tires.

Overall, the microwave cardboard drying machine is a versatile and efficient solution that can be used for a wide range of industrial applications.

### **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.

