

# Industrial Microwave Insects Drying Technology

## Introduction Of Microwave Insects Drying Machine:

Microwave insects drying machine is a specialized industrial equipment that uses the power of microwaves for the quick and efficient drying of insects. The machine works by exposing the insects to electromagnetic radiation emitted by microwaves, which causes the insects' moisture to evaporate and results in their drying. This technology is an innovative and eco-friendly solution for insect drying, as it requires significantly less energy compared to traditional drying methods. Additionally, it is a more hygienic process as it helps to kill any bacteria and germs that may be present on the insects.



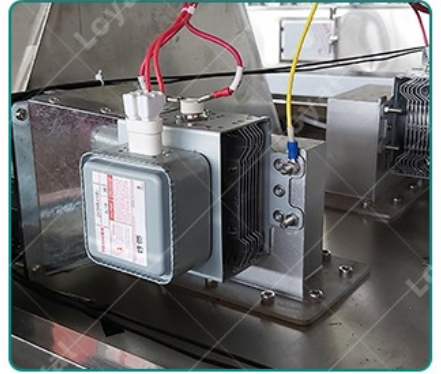
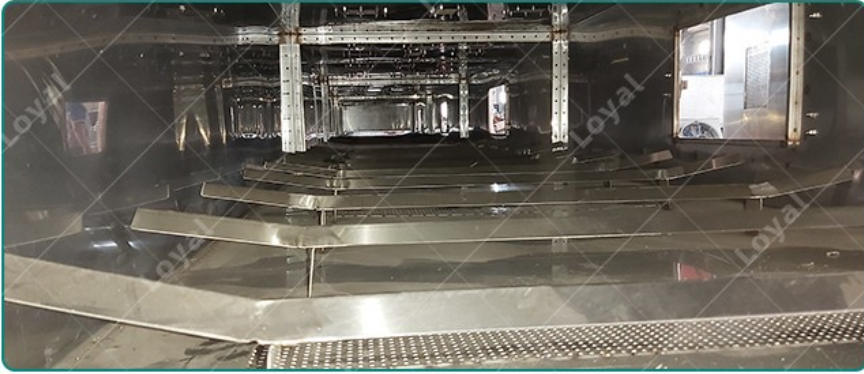
## Parameter Of Microwave Insects Drying Machine:

1. Equipment Model	LY-60HM (Continuous)
2. Equipment Power	90Kva
3. Microwave Power	60Kw (Adjustable)
4. Equipment Size (Length*Width*Height)	10520*1802*1750mm (Size Can Be Customized)
5. Equipment Material	The Whole Machine Is Made Of 304 Stainless Steel
6. Equipment Capacity	800~1000 Kg/Hour
7. Equipment Color	Silver

## Feature Of Microwave Insects Drying Machine:

- 1. High efficiency:** The microwave technology used in the machine allows for fast and efficient drying of insects, reducing the drying time significantly compared to traditional methods.
- 2. Energy-saving:** The machine uses less energy compared to traditional drying processes, resulting in lower operational costs and a more environmentally friendly process.
- 3. Versatility:** The machine can dry a wide variety of insects of varying sizes and shapes, ensuring it can meet the needs of various industries.
- 4. Easy to use:** The machine is user-friendly and requires minimal supervision during operation, making it an easy-to-use investment for businesses.
- 5. High-quality output:** The machine ensures a high-quality output of dried insects, preserving the taste, texture, and nutritional value of the insects.
- 6. Hygienic process:** The microwaves used for insect drying can kill any bacteria and germs on the insects, providing a more hygienic process.

## Details Display Of Microwave Insects Drying Machine?





## Applications Of Microwave Insects Drying Machine:

1	Food processing industry	The machine can be used to dry insects such as crickets, mealworms, and grasshoppers for use in food products, such as protein bars, snacks, and pet food.
2	Agriculture industry	Insects are used in the agricultural industry as a natural pesticide and fertilizer.
3	Pharmaceutical industry	Insects are used in the pharmaceutical industry to create medicines that can treat various diseases.
4	Entomology research	The machine can be used in entomology research to dry and preserve insects for further study.
5	Pet industry	Insects are becoming more popular as a pet food



		source due to their high nutritional value.
6	Cosmetics industry	Some cosmetics products use insects, such as beetles, for colorants.

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

1. Adopt Food Grade Stainless Steel, Nice Appearance, Easy To Clean.
2. Microwave Can Penetrate Through The Materials So That The Inside And Outside Are Heated At The Same Time, Short Processing Time, Evenly Drying And Thorough Terilization. No Extra Heat Loss, High Heat Efficiency, Saving Energy.
3. Thermal Effect And Non-Thermal Effect Work Together, Achieving Ideal Sterilization Effect At Low Temperature And Short Time, The Vegetable Can Keep Their Nutrition Components To The Maximum.
4. Adopt Non-Contact Infrared Temperature Measurement Technology, High Precision, Automatic Control.
5. Frequency Adjustable Conveyor Speed, Step-less Adjustable Microwave Power, Instant Heating And Stop, No Thermal Inertia, Convenient Operation.

