

# Industrial Microwave Flower Drying Technology

## Introduction Of Microwave Flower Drying Machine:

Microwave flower drying machine is a device that utilizes microwave technology to dry and preserve flowers. The machine works by converting electrical energy into microwave energy, which is then absorbed by the water molecules in the flowers. This causes the water to evaporate, effectively drying the flowers. The machine is designed to preserve the natural color and shape of the flowers, and it can be used to dry a variety of flowers, including roses, lilies, daisies, and more. It is commonly used by florists, hobbyists, and flower enthusiasts to preserve flowers for use in arrangements, crafts, and other decorative purposes.



## Parameter Of Microwave Flower Drying Machine:

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

1. **Efficiency:** The machine is designed to dry flowers quickly and efficiently, reducing the drying time from days to hours.
2. **Precision:** The drying process is controlled and precise, ensuring that the flowers are dried evenly and without damage.
3. **Retention of color and shape:** The machine preserves the natural color and shape of the flowers, unlike other drying methods that can cause the flowers to lose their color and shape.
4. **Large capacity:** The machine can dry a large number of flowers at once, making it suitable for commercial use.
5. **Easy to use:** The machine is user-friendly and easy to operate, with simple controls and settings.
6. **Safe and eco-friendly:** The machine uses microwave technology, which is safe and does not produce harmful emissions or by-products.
7. **Versatile:** The machine can be used to dry a variety of flowers, including roses, lilies, daisies, and more.
8. **Low maintenance:** The machine requires minimal maintenance, making it a cost-effective option for flower drying.

## **Details Display Of Microwave Flower Drying Machine?**

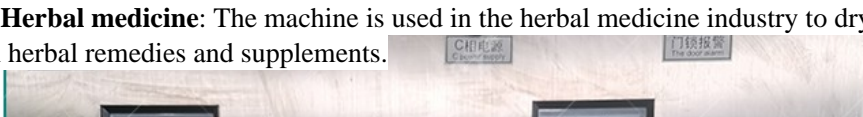
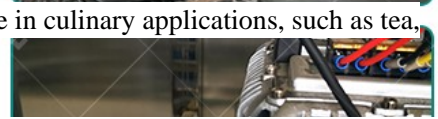
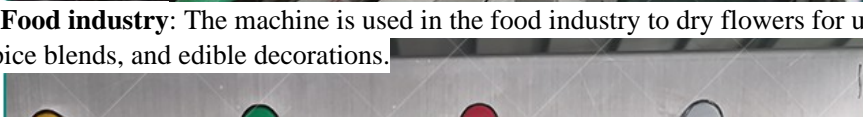
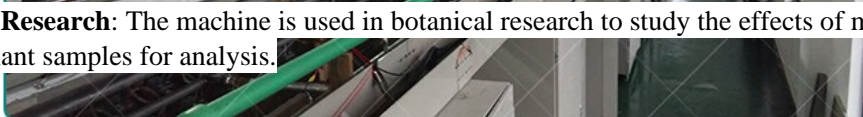
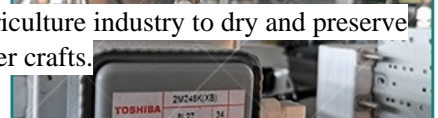
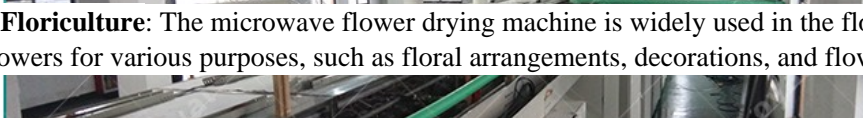
## Applications Of Microwave Flower Drying Machine:

1. **Floriculture:** The microwave flower drying machine is widely used in the floriculture industry to dry and preserve flowers for various purposes, such as floral arrangements, decorations, and flower crafts.

2. **Research:** The machine is used in botanical research to study the effects of microwave radiation on plants and to dry plant samples for analysis.

3. **Food industry:** The machine is used in the food industry to dry flowers for use in culinary applications, such as tea, spice blends, and edible decorations.

4. **Herbal medicine:** The machine is used in the herbal medicine industry to dry flowers and other plant materials for use in herbal remedies and supplements.





5. **Cosmetics:** The machine is used in the cosmetics industry to dry flowers for use in skincare products, such as face masks, scrubs, and lotions.

6. **Education:** The machine is used in educational settings, such as botanical gardens and universities, to teach students about the process of drying and preserving flowers.

## **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.

6. Adopt Human-Machine Interface Operation And PLC Touch Screen Control, Realizing Automatic Control.

7. Microwave Leakages  $\leq 1\text{mw}/\text{Cm}^2$ , No Heat Radiation, Improving The Work Environment.

