

# Chinese Herbal Medicine Drying Microwave Oven

## Description Of Chinese Herbal Medicine Drying Oven

Chinese herbal medicine drying oven is a device specially designed for drying Chinese herbal medicines in a controlled environment. It usually consists of a stainless steel interior and exterior with insulating walls and heating elements to provide even heating throughout the interior chamber. Temperature and humidity levels can be adjusted according to the requirements of the herbs being dried. Ovens often include a fan or air circulation system to promote consistent drying of the herbs. The drying process helps to remove moisture from the herbs, thereby extending shelf life by preventing spoilage and degradation caused by microorganisms. Chinese herbal medicine drying furnace is an important part of the production of high-quality Chinese herbal medicines, ensuring that the Chinese herbal medicines maintain the purity and efficacy of the medicinal materials.



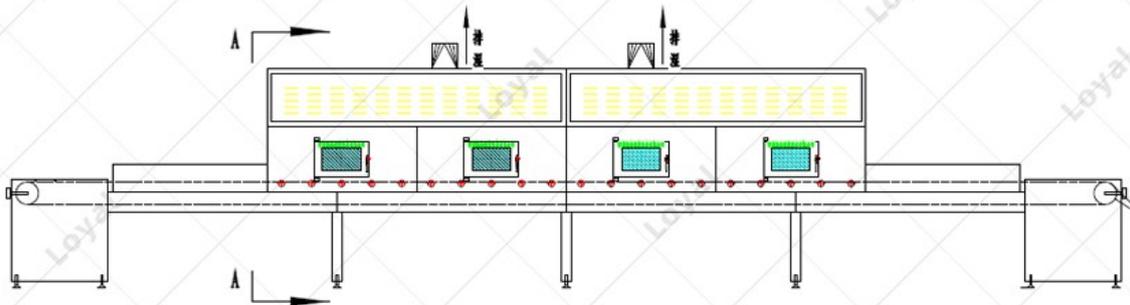
## How To Dry The Chinese Herbal Medicine

There are different methods of drying herbs, depending on the type of herb and the desired result. Here are some commonly used methods:

- 1. Air Drying:** This is the traditional way of drying herbs. Simply place the herbs in a single layer on a drying rack, or hang them in a well-ventilated area until completely dry. This method can take anywhere from a few days to a few weeks, depending on the herb and

environment.

- 2. Sun-Drying:** Similar to air-drying, but the medicinal materials should be exposed to direct sunlight. This method only works with certain herbs and should be done carefully to prevent over-drying and loss of nutrients.
- 3. Drying:** This method involves drying the herbs quickly and evenly at low temperatures using an oven or dehydrator. The temperature and time vary depending on the herbs, but should not exceed 40-50°C to avoid damage to the herbs.
- 4. Freeze-Drying:** This is a more advanced method of drying herbs that involves freezing them in a vacuum and then gradually removing water through sublimation. This method is more expensive and requires special equipment, but it can better preserve the quality of medicinal materials than other methods. It is important to note that proper storage is critical to maintaining the quality of dried herbs. Store them in an airtight container in a cool, dry and dark place away from moisture and direct sunlight.



## Working Principle Of Industrial Microwave Chinese Herbal Medicine Oven

The working principle of industrial microwave Chinese herbal medicine oven is to use microwave radiation to heat and dry Chinese medicinal materials. The oven contains a microwave generator that produces electromagnetic waves in the frequency range of 300 MHz to 300 GHz. When the herbal material is placed in the oven, microwaves penetrate the material and cause the water molecules inside to vibrate, creating heat. This heat then evaporates the water and dries the material. One of the advantages of using an industrial microwave herbal oven is that it dries the material quickly and evenly, reducing the risk of over- or under-drying. In addition, microwave radiation helps preserve the active ingredients and nutrients in herbs.

However, it is important to note that not all herbs are suitable for microwave drying, as some may be sensitive to heat or radiation. The drying process should be carefully tested and evaluated to ensure the quality and safety of the final product.

### Microwave Chinese Herbal Medicine Dryer's Advantage

<b>Faster Drying Time</b>	Compared with traditional air drying or oven drying methods, microwave drying can significantly shorten the drying time.
<b>Uniform Drying</b>	Microwave drying ensures the uniform drying of Chinese herbal medicines, because the microwave penetrates deep into the material and is evenly heated.
<b>Better Shelf Life</b>	The use of microwaves contributes to the shelf life of Chinese herbal medicines because the process is gentle and does not involve high temperatures or prolonged exposure to sunlight.
<b>Energy Saving</b>	Microwave drying requires less energy than other drying methods, making it a more environmentally friendly option.
<b>Ease Of Use</b>	Microwave drying is a simple and easy process that requires minimal supervision and maintenance.

In general, microwave Chinese herbal medicine dryer provides an efficient, effective and convenient solution for drying Chinese herbal medicine.



### Chinese Herbal Medicine Product Display

A popular Chinese herbal product called Yinqiao Jiedu Tablets is often used to prevent and treat colds and flu. Yinqiao Jiedu Tablets are a combination of herbs that have been used for centuries in Traditional Chinese Medicine (TCM). Recipes typically consist of ingredients such as honeysuckle, forsythia, peppermint, licorice root, and soy. A combination of these herbs is thought to have antiviral and anti-inflammatory properties that can help reduce the severity and duration of cold and flu symptoms. Yinqiao Jiedu Tablets are often taken at the beginning of a cold or flu to help boost the immune system and prevent the condition from getting worse. In Traditional Chinese Medicine, Yinqiao Jiedu Tablets are also believed to help clear away heat and detoxify, and promote overall respiratory health. It is available in tablet, capsule or powder form and can be added to water and drunk as a tea.

