

## Microwave Hot Air Dehydrating Drying Machine LD1504

Microwave hot air dehydrating drying machine for agricultural and sideline products  
Agricultural and sideline products are by-products brought by agricultural production, including agricultural, forestry, animal husbandry, deputy and fishing industries. They are divided into food, cash crops, bamboo and wood, industrial oils and paints, poultry products, silkworm silk, dried fresh fruit, dried fresh vegetables and condiments, medicinal materials, soil by-products, aquatic products and other major categories, each category is divided into several sub-categories. Plants include primary products of various plants that are artificially grown and naturally grown. Animals include primary products of various animals that are farmed and naturally grown.



Agricultural and sideline products

When agricultural and sideline products are further processed by dehydration, traditional dehydration processing technology is often adopted, traditional dehydration processing techniques are often used. The dehydration time is long, the quality is difficult to guarantee, the harmful bacteria are not killed, mildew and decay occur in the subsequent storage process, causing huge losses. The microwave hot air dehydrating drying machine for agricultural and sideline products is constructed by a conveying system including a conveying system disposed on the base and a rapid dewatering zone, a stable dewatering zone and a slow dewatering zone which are sequentially disposed on the conveyor belt of

the conveying system and have a cavity structure inside.

**Advantages of LD1504 agricultural and sideline products microwave hot air dehydration drying equipment:**

The LD1504 microwave hot air dehydration drying equipment is combined with the traditional dehydration process to add microwave to the external and internal dehydration of agricultural and sideline products. Since the microwave can penetrate into the interior of the material instead of relying on the heat conduction of the material itself. Therefore, only one tenth to one hundredth of the time of the conventional method can complete the entire heating process. Therefore, the color, fragrance, taste of the processed articles can be maintained, the destruction of food vitamins is also less. This utility model agricultural and sideline products dry dewatering equipment has high efficiency, good quality and low energy consumption.

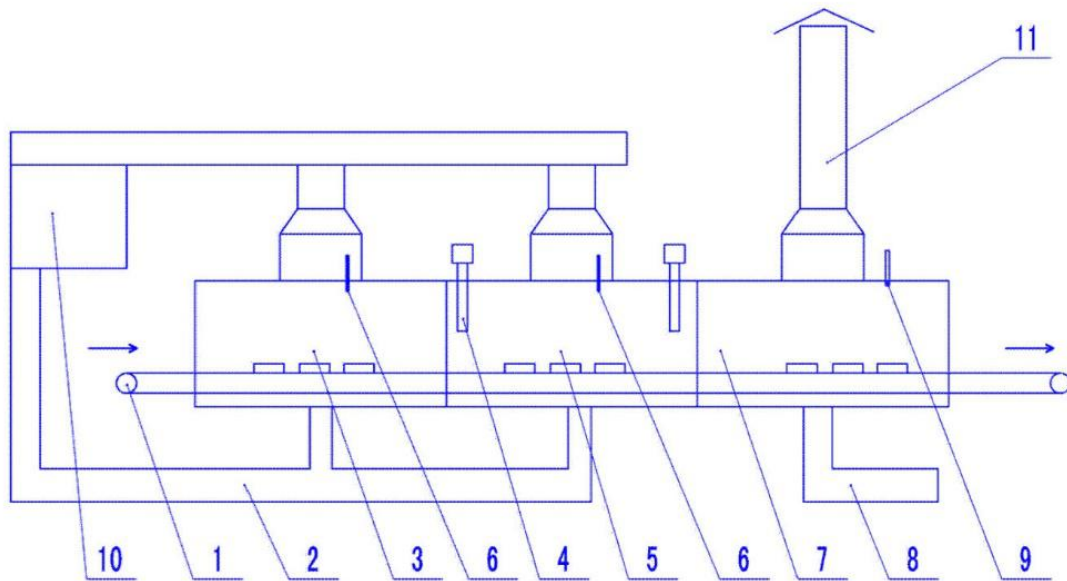
The vegetable microwave dryer adopts tunnel structure and PLC system. It is equipped with hot and cold air and infrared temperature measurement. It can monitor the material condition in real time and work in the assembly line, which greatly enhances the connection of the whole production process. The equipment is mainly made of stainless steel plate, which has strong heat insulation performance and corrosion resistance, strong and firm, long service life and reduced equipment damage.



LD1504 agricultural and sideline products microwave hot air dehydration drying equipment

**Components of LD1504 agricultural and sideline products microwave hot air dehydration drying equipment system:**

LD1504 agricultural and sideline products dehydration drying equipment includes conveyor system installed on the base of equipment, rapid drying dehydration zone, stable drying dehydration zone, slow drying dehydration zone, hot air system, cold air system, microwave feeding device, non-contact temperature measuring system, waste heat recovery system and dehydration measurement control system, exhaust system.



Schematic diagram of LD1504 agricultural and sideline products microwave hot air dehydration drying equipment

Equipment parameters			
Equipment parameters name	Equipment parameters value	Equipment parameters name	Equipment parameters value
Equipment type	LD1504	Microwave power	30KW ( adjustable )
Power input	Three-phase / 380 ± 10% / 50Hz ± 1%	Microwave frequency	2450MHz±50MHz
Dehydration rate	30kg/h	Transmission speed	0.1 ~ 5m/min
Size	1280*136*175cm (support customization)	Inlet and outlet height	80mm (support customization)
Conveyor belt width	800mm ( support customization )	Microwave leakage	≤1mw/cm <sup>2</sup>

**Features of LD1504 agricultural and sideline products microwave hot air dehydration drying equipment:**

LD1504 agricultural and sideline products hot air microwave dehydration drying equipment comprises a conveying system (1) arranged on the base and a rapid dewatering zone (3) which is arranged on the conveyor belt of the conveying system (1) and has a cavity structure inside, a stable dewatering zone (5) and a slow dewatering zone (7). Wherein: the quick drying dewatering zone (3) and the lower part of the stable drying dewatering zone (5) are respectively connected to the hot air system (2), and the upper part thereof is respectively connected to the waste heat recovery system (10), a non-contact temperature measuring system (6) is disposed in each of the cavities, and a microwave feeding device (4) is disposed on the stable drying dewatering zone (5); The lower part of the slow drying dewatering zone (7) is connected to the cold air system (8), and the upper part is connected to the exhaust system (11), a micro control system (9) is arranged in the cavity.

**Our service:**

1. We have considered the possible damage factors during the transportation of all equipment. Our equipment has been successfully exported to many countries and has rich experience in safe transportation, so the package can ensure the safety of the equipment.
2. We will send detailed installation videos, user manuals and spare consumable parts.
3. If you encounter technical problems, please contact us, we will reply to your question within 24 hours.



Customer visit

Leader Microwave Equipment Company consistently produces high quality equipment with excellent marketing and import and export capabilities. We have established friendly and cooperative relationships with many domestic and foreign customers. In addition, based on strong technical strength, we are guided by the market demand, design the most economical and reasonable LD1504 agricultural and sideline products microwave hot air dehydration equipment and Chinese herbal medicine microwave decoction machine and other equipment purchase plan. All equipment of the company has passed ISO9001:2008 international quality management system to ensure the quality and performance of our products. Our company produces a variety of equipment: drying equipment | drying equipment | sterilization equipment | extraction equipment | green equipment | vacuum dryer | heating equipment, all microwave equipment has prototypes for customers to test. Please contact us or visit our factory to inspect the test machine.