

Drying equipment for Chinese medicinal materials

More advanced equipment design for drying Chinese medicinal materials:

1.High drying efficiency, short time, low temperature, can maintain the composition, color and efficacy of medicinal materials.

2.Selective heating, uniform and thorough.Because water molecules absorb microwaves well, the part with high water content absorbs more microwave power than the part with low water content.

3.Microwaves act on the molecules of medicinal herbs, heat is generated by friction between molecules,which taken away the water, eliminating the heat transfer process.So microwave drying herbs quickly and evenly, which has good quality and good efficacy.

4.Energy saving.Microwave directly acts on the material without additional heat loss. Compared with the traditional drying process, it can save more than 30% energy.

5.During the whole drying process, there is no smoke generated by the combustion process of fuel, no residue and no waste generate because uniform heating.Microwave Chinese herbal medicine dryer is a staunch supporter of green production.

6.Microwave drying equipment adopts tunnel structure, video monitoring system, automatic temperature control system, belt automatic rectification system, transmission frequency control system, PLC automatic system,real-time monitoring, one-key setting, automatic system, simple operation, low labor.

7.Leader Chinese medicinal material dryer is mainly made of stainless steel plate, which reflects microwave, reduces energy consumption, has strong heat insulation and corrosion resistance, saves energy consumption, works in a good environment, and has long service life.

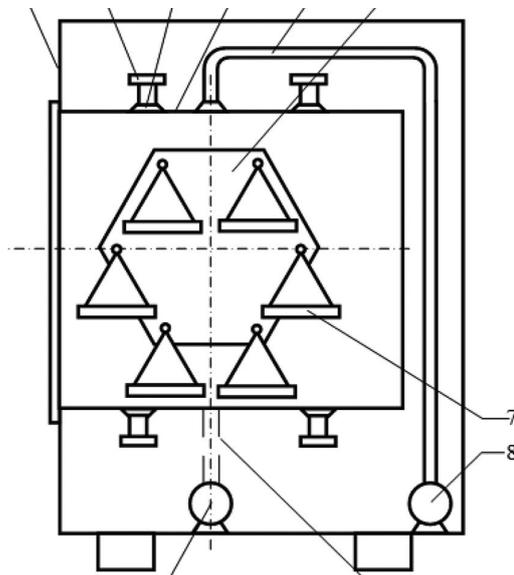
8.24 hours continuous work, no need to stop cooling, improve production efficiency, save a lot of time for customers, increase profit space.

In order to meet the different requirements of customers, Leader microwave equipment company has developed various models of microwave Chinese medicinal materials drying equipment for sale.

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| 150KW Microwave drying equipment for Chinese medicinal materials | 200KW Microwave drying equipment for Chinese medicinal materials | 250KW Microwave drying equipment for Chinese medicinal materials | Customized microwave drying equipment for Chinese medicinal materials |

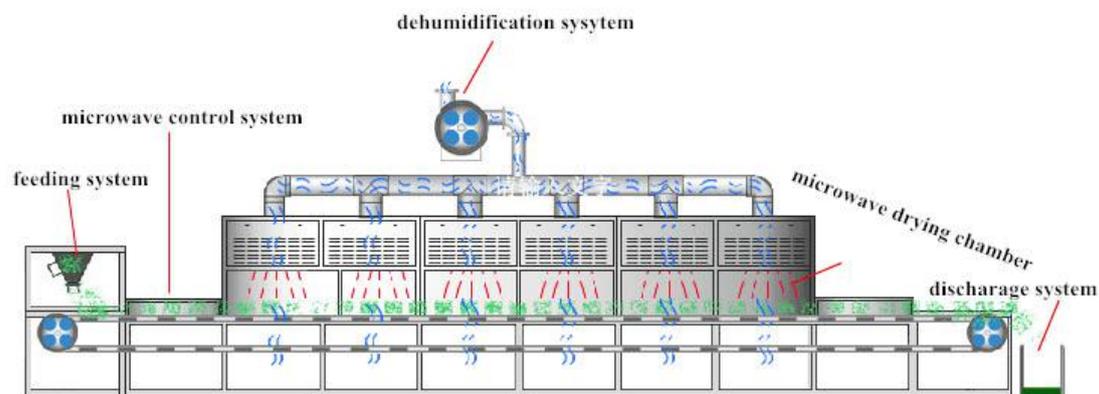
Greater capacity and higher output:

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|--------------------------|---------------------------------------|
| The daily capacity | 20-24T (Support for custom) |
| Working procedure | Completely continuous |
| Drying energy | Electric power |
| Covered area (L * W * H) | 45 * 25 * 10m (Support for custom) |
| Operating pressure | Constant voltage |
| Cooling method | water-cooling |
| Service life | 5-8 year |



Drying is the critical link during pharmaceutical process of traditional Chinese medicine (TCM), which is directly related to the quality of drugs. The key to technology upgrading of pharmaceutical equipment in Chinese materia medica enterprise is the development of new drying techniques, which concerns the modernization of TCM.

As the object of drying the medicinal herbs are composed of more water than dry substances. Total 5% to 8% of the water is held tightly, as it relates to cellular colloids, the main part of the water is in a free state.



In order to ensure the medicinal efficacy and improve the production efficiency, design and production of a kind of microwave vacuum drying medicine extract new technical equipment. Through analyzing the principle of material characteristics of traditional Chinese medicine extract, drying, microwave vacuum drying, Design of microwave vacuum drying chamber, cylinder body, a door body, a material system. Based on the overall scheme, the main structure parameters were calculated, and the production of a set of test equipment, the dehydration rate test. The new process equipment efficiency, reduces the cost, the volume is greatly reduced, keep the efficacy, and has the functions of sterilization, especially suitable for the production of proprietary Chinese medicines industry.

Before the purchase, we will provide consulting services for free. When you buy our products, we will be free for you to debug and install. After the purchase, we will still be timely for you to answer questions, if necessary, on-site maintenance and testing will be provided. The tradition of regular return visits has also been well received. If you want to buy our equipment, please contact us.