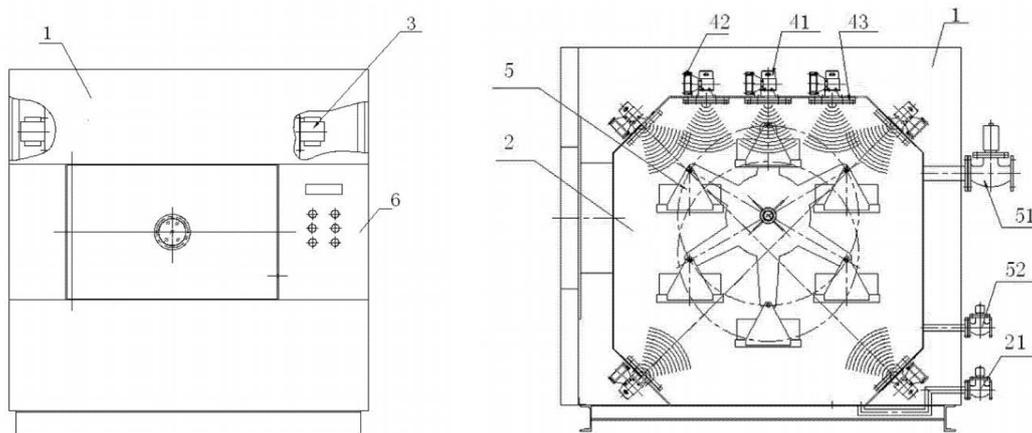


Microwave vacuum drying equipment

What are the advantages of microwave vacuum drying equipment compared with conventional vacuum drying?

Conventional vacuum drying is to transfer heat from the outside to the material heat according to the principle of heat conduction. Heat is always transferred from the outside to the inside to heat the material. The transfer speed is slow and the heating time is long. And there is inevitably a temperature gradient in the material, so the heating material is not uniform, resulting in local overheating of the material.

Different from traditional heating methods, microwave heating is a kind of heating method that relies on the absorption of microwave energy by an object to convert it into heat energy, so as to raise the temperature of the whole body at the same time. It has a strong penetrating ability. Through the high-frequency reciprocating motion of dipole molecules inside the heated body, internal friction heat is generated to increase the temperature of the heated material. Without any heat conduction process, the material can be heated internally and externally at the same time. The heating speed is fast and uniform, only a fraction or a few tenths of the energy consumption of traditional heating method can achieve the heating purpose. Its heating efficiency is 2 ~ 10 times higher than conventional vacuum drying equipment.



Microwave vacuum drying equipment schematic diagram 1&2

1、Box body 2、 Vacuum heating chamber 3、 Microwave power system 5、 Material arrangement mechanism 6、 operation panel 41、 Microwave generator 42、 Cooling fan 43、 Sealing flange 21、 Pumpdown mouth 51、 Bleeding point 52、 Relief port

Why is microwave vacuum drying equipment worth buying and using?

Wide application: no matter in food or in medicine, medicine, polymer materials and other aspects can be used for vacuum drying.

Environmental protection and energy saving: The whole microwave drying equipment only needs water and electricity, and there is no waste water and waste gas in the drying process. According to your local resources and environmental requirements, choose the right drying equipment more in line with the national environmental requirements. If you need to buy drying equipment, the first choice must be microwave vacuum drying equipment.

Adhering to the spirit of "scientific and realistic reputation and sincerity", the company insists on scientific and technological innovation and honest management, adopts advanced technology and strives to develop new mechanical equipment.

Microwave equipment can not only optimize the production efficiency of the enterprise, reduce the production cost, but also improve the working environment of the workshop because of the characteristics of no radiant heat of the equipment, is a good choice of microwave vacuum drying equipment for modern enterprises to upgrade equipment and build new production lines.

If you are interested in our machines, please contact us immediately!