

# Microwave Herb Drying Sterilization Equipment



[Microwave herb drying sterilization equipment](#) is a national high-tech drying equipment, is the best equipment for drying and sterilizing traditional Chinese medicine, Chinese herbal medicine, pills, etc. Its function is to ensure certain medicinal ingredients of Chinese herbal medicine, pills drying at the same time, will not destroy its ingredients, but also play a bactericidal effect. It is suitable for Chinese herbal medicine, pills, traditional Chinese medicine, astragalus, jujube, various kinds of ginseng tablets, medlar, Huaishan tablets, chicken bone grass, Drying and sterilization of herbs and soups.

As early as the 1970s, microwave drying technology has been introduced into traditional Chinese medicine manufacturing technology in China. Because the situation of Chinese traditional medicine industry and the promotion mode of microwave application equipment manufacturing industry itself do not meet the needs of the application industry, leading to this technology has not been well applied in the Chinese traditional medicine industry.



The advantages of [microwave drying sterilization equipment](#) are as follows: 1. Compared with traditional methods, microwave drying sterilization technology has the following advantages: The quality of products has been improved. Compared with traditional methods, the processing speed of microwave technology should be increased by 50-80 times. After treatment, the bacteria content should be reduced by 10 times, especially water pills. The appearance and color of microwave drying sterilization technology are better, the shrinkage rate after drying is smaller, and the disintegration degree is not affected. Products can be processed at lower temperatures than traditional methods, thus ensuring the preservation of volatile decomposition components at high temperatures. We can provide different drying temperatures according to different product requirements to ensure product quality. The production environment has been greatly improved. Because of the characteristics of microwave itself, it only heats the products, but there is no radiation heat in the surrounding environment, and there is no need to set up complex steam system. This is very helpful to improve the production environment and improve

the sanitary guarantee conditions of enterprises. Save energy consumption. Microwave technology has incomparable advantages in saving energy because it only heats things and has no loss of heat conduction and radiation. Enterprises will get more benefits from the use of equipment.



Selective heating of microwave machine: Because water molecule absorbs microwave best, the part with high water content absorbs microwave power more than the part with low water content in the same unit time. This is the characteristic of selective heating, which can be used to achieve uniform heating and sterilization. Effective energy saving of microwave machine. Microwave acts directly on materials, and air does not absorb microwave. Therefore, without additional heat loss, the air in the furnace and the corresponding container will not heat. The temperature of the air is caused by the heat energy radiated from the material when the temperature rises above the ambient temperature. Therefore, microwave heating has very high thermal efficiency, and the production environment has been significantly improved. Compared with far-infrared heating, it can save more than 30 percent of electricity.