

# What are uses of microwaves?

With the development of science and technology, more and more people understand the microwave machine. More and more manufacturers use industrial microwave food processing process for drying, sterilization, degreasing, defrosting, etc, in the Industrial Microwave Food Processing process. In recent years, the application of microwave equipment is far wider than we thought.

With the development of science and technology, more and more people understand the microwave machine. More and more manufacturers use industrial microwave food processing process for drying, sterilization, degreasing, defrosting, etc, in the [Industrial Microwave Food Processing](#) process. In recent years, the application of microwave equipment is far wider than we thought. Before, we are limited to think that the application of microwave machines only in the food industry. But now, the world has changed, with the continuous updating of microwave machines, many industries began to apply microwave machines.

But I believe that many of my friends don't know much about which industries are the main applications of microwave equipment?

**What are uses of microwaves?** Next, let us understand the specific application range of microwave equipment, hoping to help everyone in front of the screen.



## Microwave equipment in the application of various industries:

1?Flower industry.

Microwave killing is suitable for drying and killing flowers such as honeysuckle, rose, tea, chrysanthemum,

yellow marshmallow, lotus leaf, and osmanthus. It has the advantages of uniform heating, fast speed, no loss of flower nutrition, good sterilization and mellowing effect, environmental protection, etc.

## 2?Food industry.

Food can be puffed, dried, baked, pickled, heated, sterilized, and thawed by microwave. At present, it has been used to produce whole grains, sesame paste, soybean oil skin, meat products, dried fruits, seafood, kimchi, walnuts, condiments, peanuts, melon seeds, soybeans, etc.

## 3?Pharmaceutical industry.

Microwave equipment can kill microorganisms and molds in materials and has the function of disinfection, which can prevent molds and insects. At present, it has been used for sterilization and drying of herbal medicine, medicinal stock, oral liquid, Chinese and Western medicine, etc.

## 4?Wood industry.

Microwave treatment of wood can evenly and quickly dry one to six centimeters thick boards, only ten minutes to dry, no cracking, no deformation, while killing the eggs and larvae inside the wood. It can also be used to cure plywood or to splice bamboo products after drying, mildew and sterilization.

## 5?Rubber industry.

In the rubber industry, microwave heating equipment heats the tire once, then heats it to the vulcanization temperature, and uses hot air to keep it warm. It has the advantages of uniform heating and shortening the curing time by one-third.

## 6?Paper products industry.

Microwave heating and drying without preheating and heat transfer, direct heating of paper products from the inside to the outside with good heating uniformity, fast drying speed, and environmental protection and sanitation of the equipment. It applies to wood chipboard, cardboard, paper crafts, printed matter, kraft paper bags, corrugated cardboard, honeycomb cardboard, paper products, paper tubes, paper corner protectors, paper clips, cartons, environmental protection paper bowls, packaging boxes, etc. for rapid drying and mold prevention.

## 7?Desulfurization.

Sulfur in raw coal in the form of pyrite, pyrite loss angle tangent higher than coal, so pyrite can be desulfurized by microwave selective heating and gas reaction, while coal is not affected. The ideal method is to use a 0.1-second intermittent pulse wave to heat pyrite ore to a high temperature of 650. This method of desulfurization effect is effective, without expensive catalysts, saving money, high energy efficiency, and low environmental pollution.



The microwave equipment is equipped with an automatic photoelectric anti-running system, transmission frequency control system, material control system, PLC control system, etc. The equipment is streamlined, simple operation, high yield, environmental protection, fast heating speed, uniform heating, 24 hours continuous work, and microwave leakage to meet national standards is a very advanced and efficient new equipment.

Through the above-detailed introduction to the application of microwave equipment in various industries, I believe that we have a new understanding of microwave equipment and a more in-depth recognition of microwave equipment. Microwave equipment is not only widely used in **Industrial Microwave Food Proce** but also widely used in all walks of life. It is believed that in the future, microwave equipment will develop better and better.