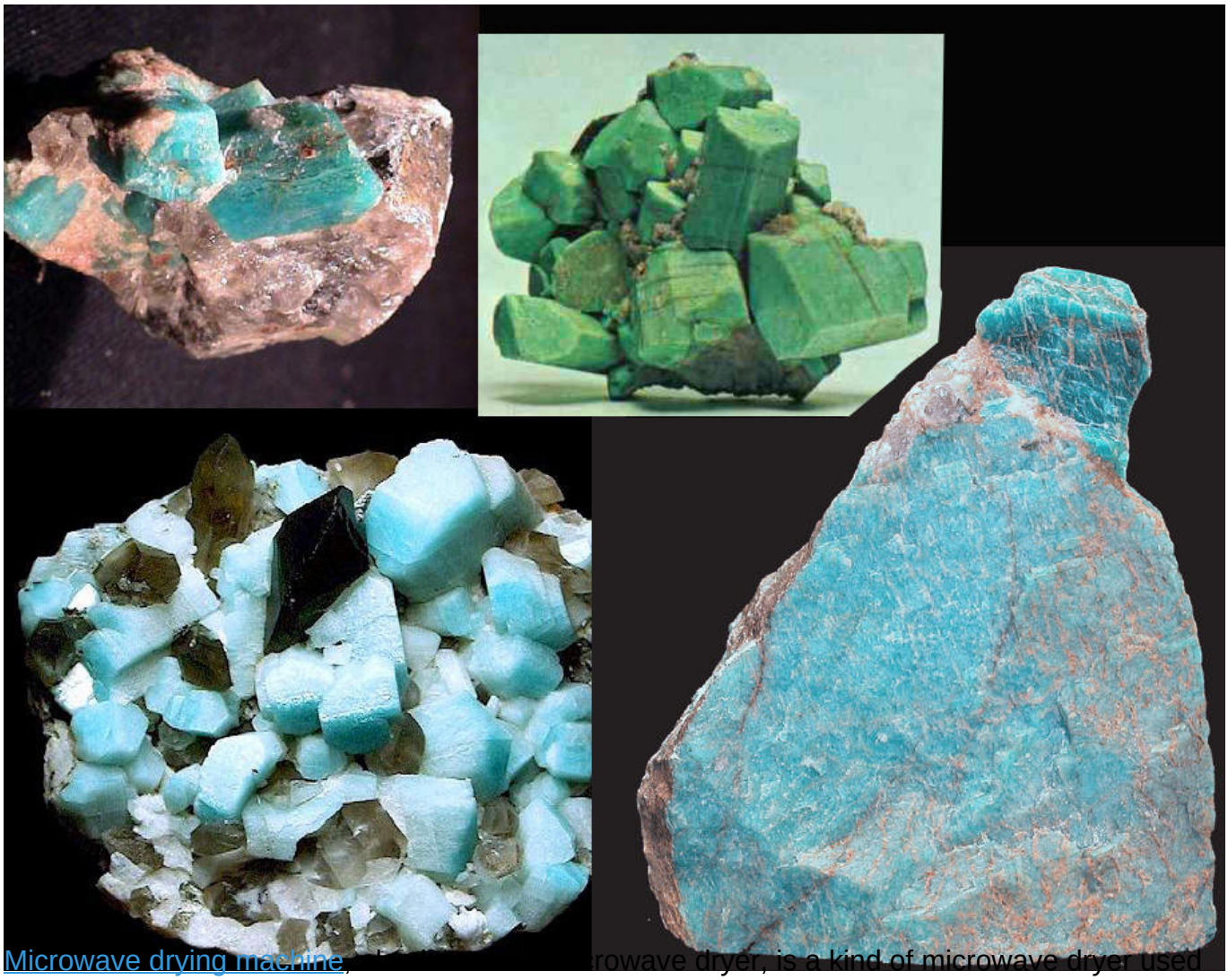
# Mineral Powder Microwave Drying Machine

The basic properties of microwave are usually presented as penetration, reflection and absorption. For glass, plastics and porcelain, microwave almost passes through without being absorbed. For water and food, they absorb microwaves and heat themselves. For metals, microwaves are reflected.



Microwave drying machine, [redacted]rowave dryer, is a kind of microwave dryer used to dry food, medicinal materials, wood, building materials, cardboard and other materials. Compared with traditional drying equipment, the characteristics of microwave dryer are: fast drying speed, high efficiency, environmental protection and energy saving, and it is a new type of equipment responding to low-carbon economy. Its working principle is to use the penetrating heating of microwave to raise the temperature of the material, to vaporize and evaporate the water vapor in the material, and to drain the evaporated water vapor from the dehumidification system to achieve the purpose of drying the material.

Characteristics of Industrial Mineral Powder Microwave Drying Machine:
Microwave sterilization dryer is uniform and fast.While sterilizing, the device retains the original taste, appearance and color of the pastry.Heating, drying and sterilizing are multi-purpose, environmentally friendly and efficient, saving more than 30% of electricity than traditional heating methods. Safety and hygiene to improve production environment. Microwave equipment has no waste heat radiation, no dust, no noise, no pollution, and is easy to achieve the detection standard of food hygiene.Easy to use and operate. Microwave power and belt speed can be steplessly adjusted. There is no thermal inertia. It can be switched on and off immediately. The operation is simple and the size can be designed.

Microwave sterilization dryer is mainly affected by the following factors:

Frequency. The higher the microwave frequency, the better the sterilization effect, but the worse the penetration.Material moisture content. The sterilization effect is proportional to the moisture content of the material, so it can be sterilized in the steam environment. The longer the sterilization time, the better the sterilization effect, but easy to appear coking, increased energy consumption.Power and temperature. High power, mainly non-thermal sterilization, low power, mainly thermal sterilization. When the pH value deviates from the optimum acidity environment for bacterial growth, the more sensitive bacteria are to microwave, and the more effective they are to sterilize.