



## CONTINUES MICROWAVE DRYER

### Continuous microwave dryer

Microwave dryer is the new generation of dryers in which the raw materials are treated for dehydration using microwave radiation in a continuous process. In this process polar molecules of water with exposure to electromagnetic fields rotate in high frequency. Kinetic energy of the molecules of water in contact with surrounded molecules creates too much heat throughout the moist body, this phenomenon known as dielectric heating. Microwave dryer is able to quickly and efficiently provide heat in wet objects as a result with controlling the process various products can be dried by this method. In addition, because of special property microwaves and control of process, product dried by this method can be sterilized.





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### Application:

Microwave dryer is widely used in many fields and get a lot of progress in the promotion. The equipment is mainly used in food, tea, herbs, vegetables, fruits, peanuts, grains, seafood, snacks, paper, carton, wood, chemical, medicine, powder etc.

### Advantages:

- Speed and uniformity in the drying process
- Maintain colors, flavors and active ingredients in food and medicine
- High efficiency and energy saving method
- Controlled drying process using automation systems
- Environmentally friendly
- Continuous process of drying and high production capacity
- Sterilization of materials during the drying process

### System properties:

- Corrosion resistant stainless steel chamber
- Conveyor with adjustable speed
- High control and automation to manage the drying process
- Equipped with a temperature sensor to control the drying process
- Equipped with a fan to remove moisture
- Equipped with a camera to monitor the drying process

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### Models and technical characteristics:

No	Model	Power (KW)	Dehydration capacity (Kg/h)	Approximate Dimensions (m)
1	TP-MD-20	20	20	9*1.5*1.8
2	TP-MD-40	40	40	11*1.5*1.8
3	TP-MD-60	60	60	13*1.5*1.8

- Depending on the materials conveyor's speed can be up to 10 meters per minute.
- The frequency of microwave 2450MHz.
- According to customer requirement microwave dryers can be designed in various capacities.

