

Product Name :
Conveyor Belt Industrial Microwave Dryer

Product Code :
EQMH-CHINA-MY3007023



Description :

Conveyor Belt Industrial Microwave Dryer

Technical Specification :

The equipment can be applied to the curing, drying and sintering of ceramic filters, honeycomb ceramics and building ceramics.

Especially for the rapid drying and setting of the filtering ceramic net, it is suitable for the supporting equipment of the filtering ceramic production line.

The emergence of microwave drying technology has solved the problems of long drying cycle, slow capital turnover, poor uniformity, large area of drying kiln and large energy consumption.

The principle of microwave drying technology Microwave is an electromagnetic wave with a frequency of 300 MHz, and the water molecules in the heated medium material are polar molecules. Under the action of the rapidly changing high-frequency electromagnetic field, its polar orientation will change with the change of the external electric field, resulting in molecular motion and mutual friction effects.

At this time, the field energy of the microwave field is converted into the heat energy in the medium, so that the temperature of the material is increased, and a series of physical and chemical processes such as heating and expansion are generated to achieve the purpose of microwave heating and drying.

Power	Ddhydration Capacity	Sterilization Capacity	Size
12KW	12kg/h	120-150kg/h	7*0.84*1.75m
20KW	20kg/h	192-240kg/h	9.4*0.84*1.75m
30KW	30kg/h	300-375kg/h	11.7*0.84*1.75m
40KW	40kg/h	396-495kg/h	10.52*1.06*1.75m
50KW	50kg/h	504-630kg/h	11.7*1.06*1.75m

The microwave drying time is short, and the drying process can be completed in a few minutes at the fastest. Ceramics use microwave drying technology for a relatively long time, depending on the material, generally only 20 minutes to 2 hours to complete the drying process; Because microwave drying heats the whole object, the drying uniformity is good, the ceramic quality is improved, and there is no cracking. The microwave equipment occupies a small area, and because of the increased drying efficiency, the area occupied by the traditional ceramic kiln is greatly reduced. Microwave drying technology is energy-saving and environmentally friendly. The emergence of large-scale drying rooms and tunnel drying lines has solved the problems of traditional ceramic drying technology, such as the extremely uneven magnetic field of the drying room and the problems of product cracking, which have been successfully put into market application.



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