

Microwave stereotyping equipment

Main characteristics of microwave stereotyping equipment:

1. Wide scope of application. Microwave stereotyping machine has the advantages of low price and harmlessness, and has become the main machine for ceramics products stereotyping. It is widely used in ceramics and ceramics shaping, in this case, Microwave stereotyping machine production line emerged and developed rapidly.

2. High output and return. The return on investment is acceptable due to extensive and inexpensive raw materials and mass production.

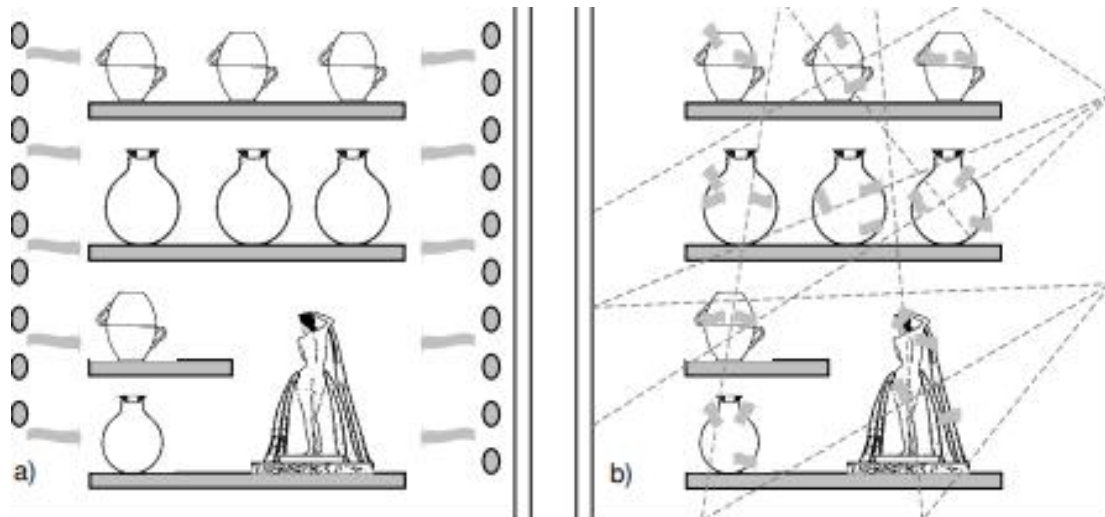
3. Environmental protection. All our microwave equipment, including microwave accessories, are environmentally friendly, non-polluting and non-exhaust high-tech environmental protection equipment.

Microwave stereotyping machine for sale

			
10kw Microwave stereotyping machine	20kw Microwave stereotyping machine	30kw Microwave stereotyping machine	High power Microwave stereotyping machine can be customized

Product Specification:

Microwave stereotyping machine	
Microwave frequency	915 ± 25MHz
Microwave power	Above 20kw-200kw (continuously adjustable)
Transmission speed	0.1~3m/min frequency control
Microwave leakage	≤5mw/cm2(GB5959.6-87)
Extraction quantity	0.5~1.0T/ h
Capacity/hour	5 to 7 tons
Appearance Size of Equipment	Long x wide x high 8000 x 5000 x 2300 (mm) (customizable)
Control mode	Touch screen and PLC control



Heating patterns in: a) conventional, and b) microwave furnaces.

Increasing the temperature is a common method couple microwaves with poorly absorbing (low-loss) materials. Once a material is heated to its critical temperature, T_c , microwave absorption becomes sufficient to cause selfheating. This hybrid method can result in more uniform temperature gradients because the microwaves heat volumetrically and the external heat source minimizes surface heat losses. Therefore, one of the most important characteristics associated with the use of microwave hybrid heating is the potential to achieve uniform heating throughout the crosssection of a material.

Microwave hybrid heating could result in samples with no significant density gradient throughout the cross-section and that this phenomenon was enhanced with increased sample size. The consequences of more uniform temperature gradients are homogenous microstructures and improved properties of the final body.

Density and Mechanical Properties of HAP Material Sintered by MW and CS

Sintering temperature (°C)	Density (%)	Vickers hardness (MPa)	Fracture toughness (MPa m ^{0.5})
MW-900	97.2±0.1	3.5±0.4	1.36±0.09
MW-1000	98.5±0.1	4.3±0.4	1.15±0.08
CS-900	95.1±0.1	2.4±0.3	0.81±0.06
CS-1000	96.6±0.1	3.8±0.3	0.89±0.07

Why choose Industrial microwave Equipment?

As one of the top suppliers of microwave equipment, our Industrial microwave Microwave stereotyping equipment uses advanced technology and high quality materials. Therefore, it has a long service life. At the same time, our machines can be customized according to your productivity needs.

If you buy any of our microwave equipment, we will send technicians on-site guidance, provide practical operation and maintenance training, and conduct regular telephone, e-mail, home visits and satisfaction surveys. If you need a machine, please [contact us](#). We look forward to serving you!