



NANO TEC

Microwave Sintering Furnace



Factory Address: 302, 4th Main Road, Burma Colony, Perungudi Industrial Estate,
Perungudi, Chennai - 600 096. Email : sales@nanoteclab.com
044-24967771 Mob : 09444733838, Web: www.nanoteclab.com



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Specification :

Model	NT/MF-1650°C
Warranty	1year/3year
Temperature Range	RT to 1600°C (Automatic) Programmable
Microwave output power	0.5 to 4.5KW – Continuously Variable
Microwave frequency	2.45GHz plus/minus
Temperature measuring Sensor	IR thermometer (Make : Impac/AST or Reputed Make)
Temperature measuring range	350°C to 1800°C
Temperature accuracy	±1°C at soaking time
Atmosphere system	Vacuum/Gas/Normal & Controlled Atmosphere
Max Sample loading space	75X75X75mm/100X100X100mm/ 150X150X150mm
Cooling	Air forced (Blower) or Water cooled
Vacuum pump	Rotary Pump (Optional)
Vacuum Level	10-1 torr (Optional)
Gas Flow meter	Rota meter
Gas Flow meter range	0-5Lpm
Control System	Touch panel with PID Controller ,Multi Segments Programmable , Data Store in USB or Euro therm Controller (Model: 2416)
Magnetrons	1 – 3 kW
Power Requirements	5 – 25 kVA / 15-35kVA/ 20-45kVA
Protection and Safety	Anode over voltage, anode over current, anode power surpass, electromagnet watchdog, magnetron temperature, external interlock , door limit switch
Microwave Leakage	< 1mW/cm ² (Safety standard < 5mW/cm ²)
System outside dimension	650X650X900mm with Stand /Table top/ 1500X1650X1000mm
Equipment Movement	Wheel arrangement (Easily movement anywhere)
Display	Power & Temperature
Collaborative development of new process technology/equipment (Related Product)	Microwave Sintering Hot Press / Microwave Hot Press & Hybrid Microwave Furnace

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