



Technical data:

Model	FHC-00
Temperature	400-1300°C
Heating mode	High frequency induction heating
Temperature control	Non-contact and real time temperature measurement by high-precision IR pyrometer, PID thermostatic control
Power draw	3-15kw
Power supply	AC220V±10%, 50/60Hz, single phase, with earth
Working frequency	50-100kHz
Crucible rocking amplitude	Max. ±30° (adjustable)
Crucible rocking speed	30-99 Cycle/min (adjustable)
Forming method	Automatic melt pouring
Control system	Integrated operation and display panel: LCD touch screen, PLC controller
Programs	Max. 5 independent adjustable sample programs can be stored
Processes of fusion cycle	Oxidation → Fusion
Cooling water temperature in induction coil	≤60°C
Cooling system	Induction coil with external water chiller: min. flow-3L/min, water pressure≤0.2MPa; Cooling glass disk with fan
Fusion mode	Pre-oxidation → Fusion + automated crucible rocking → Automatic melt pouring → Cooling with fan
Sample position	Multi-sample: 2 positions(1 position or 4 positions if required by user)
Sample preparation speed	2 samples per 5-10min (according to the complexity of the samples)
Safety protection	Over-pressure, over-current, over-heat, excess temperature and lack-water alarm
Crucible and casting dish	Pt/Au: 95/5
Net weight	50kg(2 positions type)/25kg(1 position type)/100kg(4 positions type)
Dimensions (L×W×H mm)	2 positions type: 580×828×425 (not including water chiller); 1 position type: 580×414×425 (not including water chiller); 4 positions type: 580×1656×425 (not including water chiller)