

intermediate frequency smelting furnace



Brief Introduction

1. Medium frequency induction power supply host 1set
2. Medium frequency induction compensation capacitor extension 1set
3. furnace body: (Stationary furnace or Dumping type furnace 1 set)
4. Machine water-cooling cable connection 2 pieces wires.

●working principle:

power use whole solid-state SIEMENS IGBT frequency conversion module

technology, After the strong output frequency current induction heating equipment, Through the induction coil produces strong magnetic field, Under the action of magnetic field, eddy current heated surface, and thus make workpiece heat quickly.

●main feature:

1 Heating fast: the fastest heating less than one second, and the heating rate can adjust control

2:Energy saving and environmental protection:more than 95% thermal efficiency, the perfect alternative to silicon, gas, B decision, coke, electric stove

3:The machine safety and reliability: over-current, phase, water shortages, over-voltage, short circuit, overheat protection, greatly improving the device can be made of

4:Small footprint: less than 1 square footprint, light weight for easy mobility

5: machine installation, simple operation, without on site commissioning, water power can be.

6:With functions of electromagnetic stirring make molten material more uniform, is advantageous to the scum, reduce the impurities and make molten or casting more light without shrinkage cavity, shrinkage occurs

7:mainly for metals:platinum, palladium, rhodium, gold, silver, copper, steel, aluminum, carbon gold dust, gold sands,electrolytic mud, gold and silver powder, etc. metals

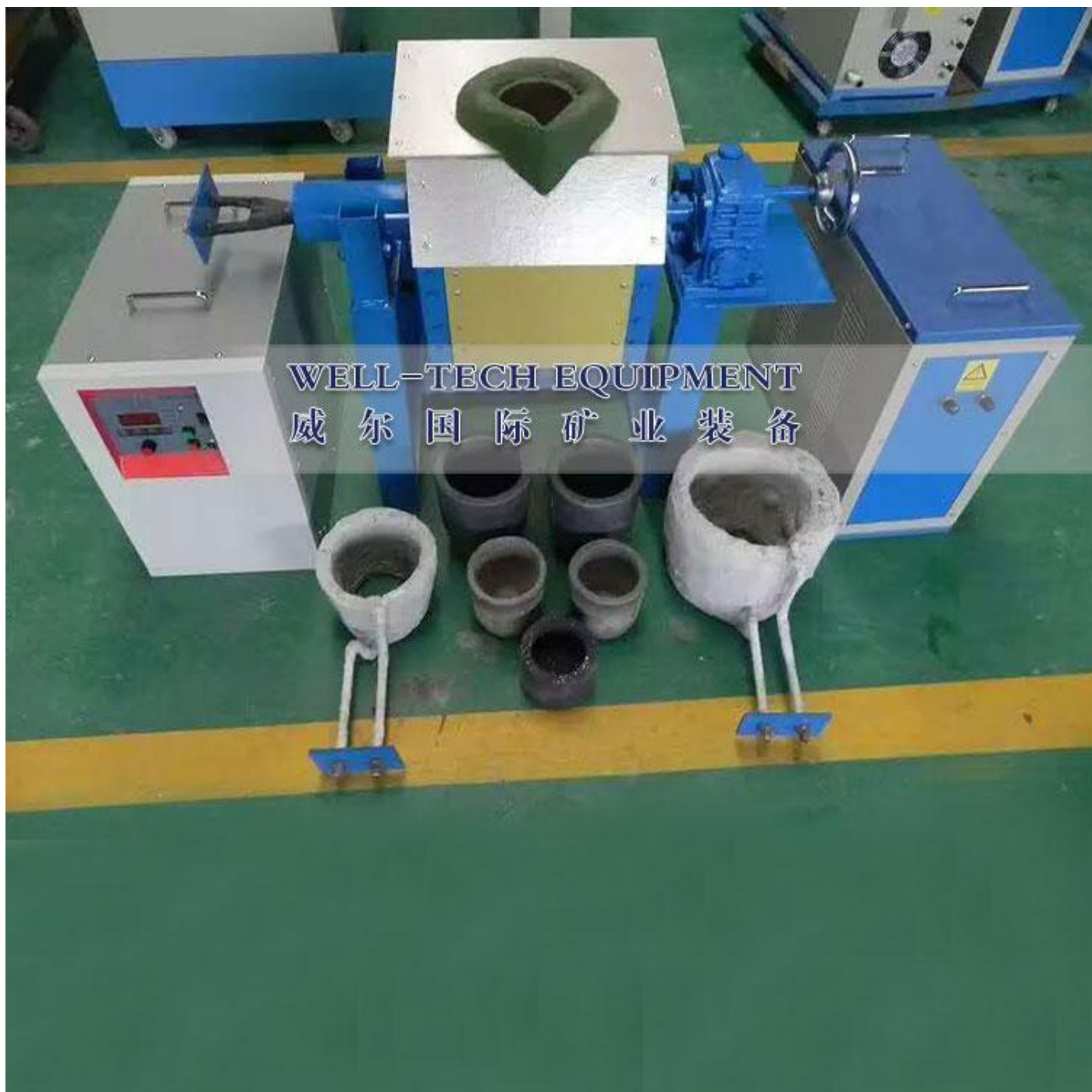
Also can undertake and bead granulation process, can also be done as vacuum process.

8:Convenient change different weight, different materials, different ways of furnace body, to adapt to all kinds of melting requirements

●model and technical parameters:

Model parameters	45AB	60AB	80AB	100AB	120AB	140AB	160AB
	TGZP-15KW	TGZP-25KW	TGZP-35KW	TGZP-45KW	TGZP-70KW	TGZP-90KW	TGZP-110KW
input voltage (V)	three phase 380V						
power (KW)	15	25	35	45	70	90	110
input current (A)	23	36	51	68	105	135	170
oscillation frequency (KHZ)	1-10	1-10	1-10	1-10	1-10	1-10	1-10
cooling water pressure (Mpa)	0.2	0.2	0.3	0.3	0.5	0.5	0.5
weight (KG) host	25	28	43	50	130	140	160
weight (KG) extension	30	30	50	55			
smelting precious metal weight (KG)	1-10kg	1-20kg	1-30kg	1-50kg	1-100kg	1-120kg	1-150kg
smelting steel (KG)	2	4	10	18	25	40	50
smelting aluminium alloy (KG)	3	6	12	21	30	40	50
smelting time(≤min)	10	20	30	40	50	50	60

Application:



Tilting induction metal smelting furnace



gold melting induction furnace