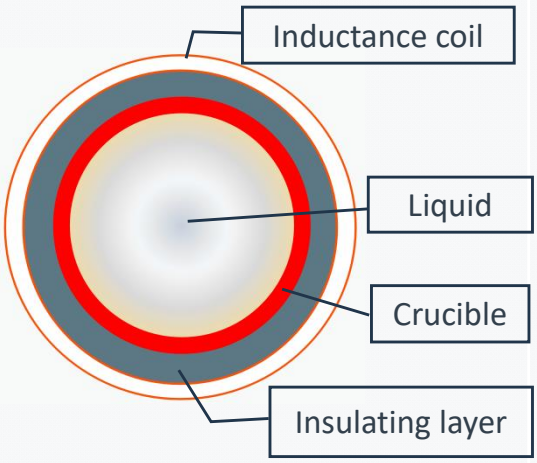
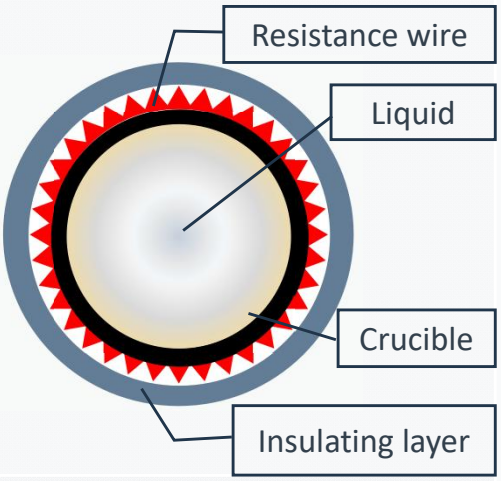
01 Product features

Item	Our furnace	Resistance furnace
Heating method	Electromagnetic induction heating,the crucible resonates with the electromagnetic field, and crucible heats itself directly.	Resistance wire heating, the resistance wire to generate resistance heat, thereby heating the crucible.
Schematic diagram		
Heat efficiency	90%-95%	50%-75%
Energy saving efficiency	30%	-

High Efficiency

Rapid Heating

HF soft-starting

Frequency conversion system

Energy-saving

Air Cooling System

No Heat Loss

Crucible Freindly

Reliable

Low maintenance

Safe and clean

Long service life

02 Technical Hightlights

Minimalist Design

Focus on core functions, reduce faults and issues, minimize learning costs

PID Control Algorithm

Precise Control of Heating Power

Safety Protection

Coil short circuit protection, upper and lower bridge breakdown protection

Thermocouple Sensor

Real-time temperature monitoring

Power Control Mode

Soft Starting
PWM (Pulse Width Modulation)

Power Balance Design

No start-up shock current, avoids furnace oscillation

Crucible life	Electric Consumption	Melting Speed
≥ 1 year	300 kWh/Ton	2-3 hours
Brass die casting	Melt CU	Customized

Crucible life	Electric Consumption	Melting Speed
2-3 years	350 kWh/Ton	2-3 hours
Al die casting	Melt AL	Customized

➢ Stationary Melting Furnace

- Melting/insulation function
- Die casting/casting
- Air cooling system
- Temperature: 20~1300℃
- Precise temperature control system
- For non-ferrous metals

➢ Elliptical Type Melting Furnace

- Melting/holding function
- For automatic die casting
- Air cooling system
- Temperature: 20~1300℃
- Precise temperature control system
- For non-ferrous metals

➢ Tilting Type Furnace

- Melting/houlding function
- For Casting
- Manual/motor tilting mechanism
- Temperature: 20~1300℃
- Precise temperature control system
- For non-ferrous metals

Furnace For Melting Aluminum

Metal capacity	Power	Melting time	Outer diameter	Voltage	Frequency	Operating temperature	Cooling method
130 KG	30 KW	2 H	1 M	380V	50-60 HZ	20~1000 ℃	Air cooling
200 KG	40 KW	2 H	1.1 M				
300 KG	60 KW	2.5 H	1.2 M				
400 KG	80 KW	2.5 H	1.3 M				
500 KG	100 KW	2.5 H	1.4 M				
600 KG	120 KW	2.5 H	1.5 M				
800 KG	160 KW	2.5 H	1.6 M				
1000 KG	200 KW	3 H	1.8 M				
1500 KG	300 KW	3 H	2 M				
2000 KG	400 KW	3 H	2.5 M				
2500 KG	450 KW	4 H	3 M				
3000 KG	500 KW	4 H	3.5 M				

Furnace For Melting Copper

Metal capacity	Power	Melting time	Outer diameter	Voltage	Frequency	Operating temperature	Cooling method
130 KG	30 KW	2 H	1 M	380V	50-60 HZ	20~1300 ℃	Air cooling
200 KG	40 KW	2 H	1.1 M				
300 KG	60 KW	2.5 H	1.2 M				
400 KG	80 KW	2.5 H	1.3 M				
500 KG	130KW	2.5 H	1.4 M				
600 KG	150 KW	2.5 H	1.5 M				
800 KG	180KW	2.5 H	1.6 M				
1000 KG	220 KW	3 H	1.8 M				
1500 KG	350 KW	3 H	2 M				
2000 KG	450 KW	3 H	2.5 M				

500Kg Al holding furnace *14 sets

1 ton Al for die casting * 3sets

400KG for Brass melting*3 sets

600KG Al for die casting *14sets

1Ton Al tilting furnace *1 sets

500KG Bronze tilting *3 sets

Step 1

Product application scenarios:

- ☐ Tilting type
- ☐ Round type
- ☐ Robotic arm type
- ☐ Others

Step 2

Melting temperatures:

- ☐ Melting aluminum (1000℃)
- ☐ Insulating aluminum (700℃)
- ☐ Melting copper (1300℃)
- ☐ Others

Step 3

Crucible capacity:

- ☐ Calculated according to the daily demand for molten metal
- ☐ _____KG

Step 4

Time to melt one pot of metal:

- ☐ 2 hours~3 hours
- ☐ 3 hours~4 hours
- ☐ 4 hours~5 hours
- ☐ Others

Market Prospects

With the demand for energy and environmental, induction furnace will replace traditional furnaces to become the mainstream