



## Greenvinci Induction Furnace

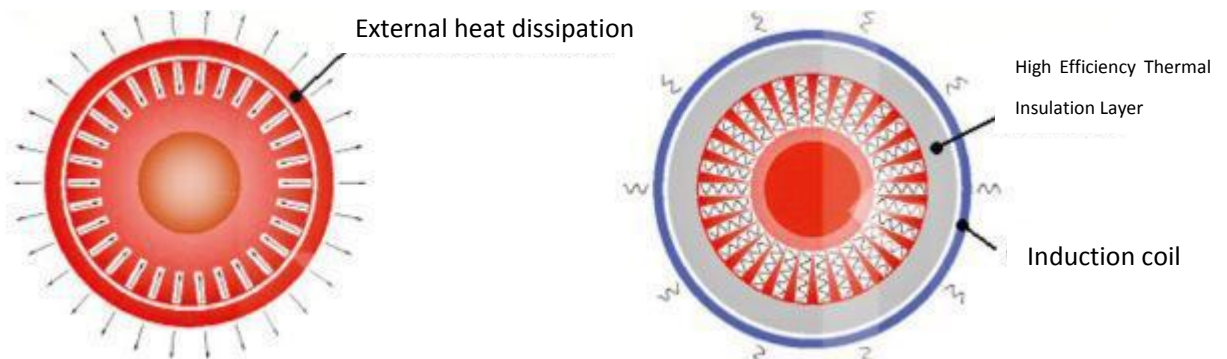
### Product Introduction

Greenvinci induction furnace is an electric furnace specially designed for the melting industry. It mainly acts on low melting point metals or alloys such as aluminium, copper, zinc, magnesium etc. and is used in the manufacturing of aluminium ingots and die casting vessels. The equipment has the advantages of fast heating, good heat preservation, high efficiency, stable and convenient operation and low maintenance cost. It has been widely used in the smelting field at home and abroad.

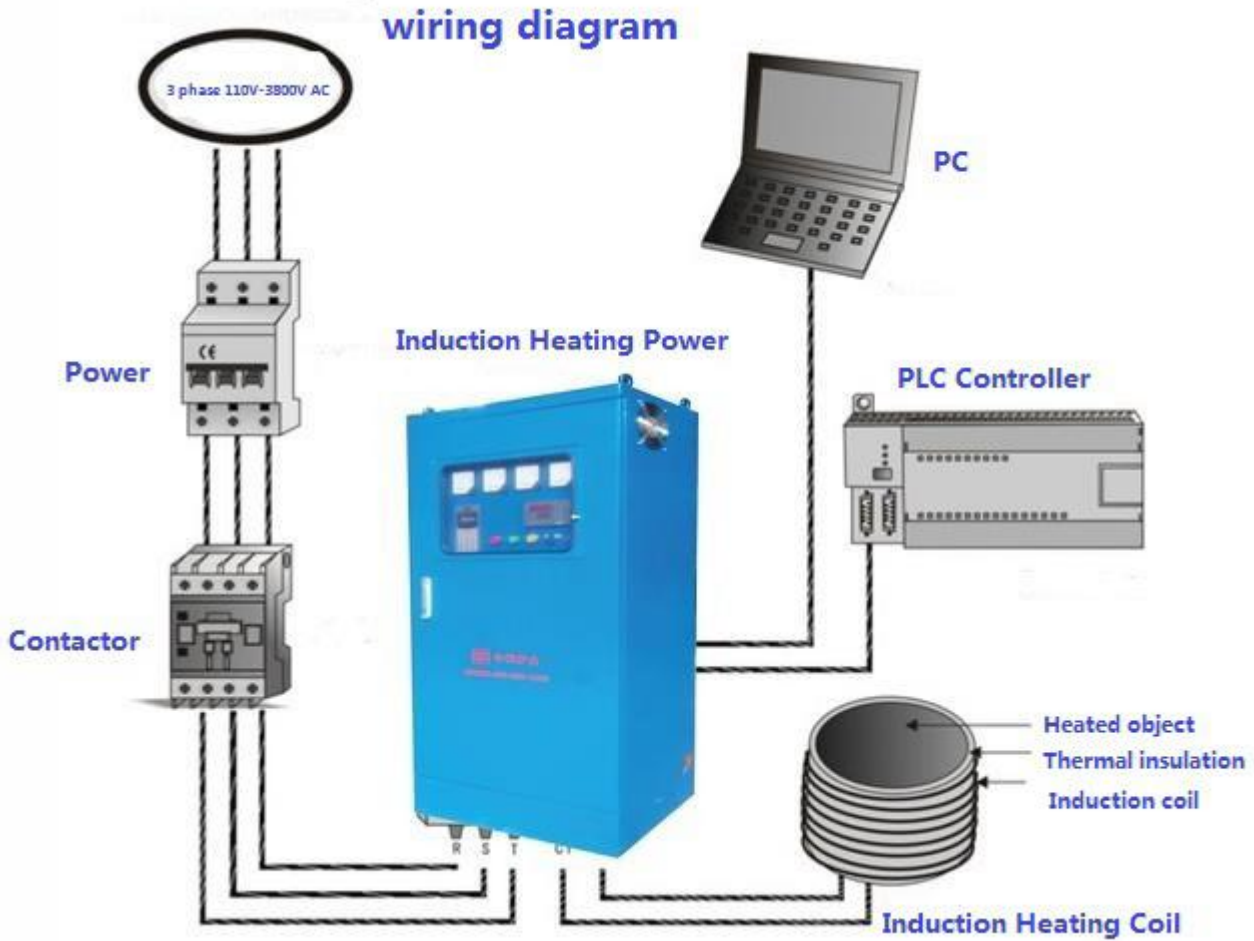


### Working Principle

Greenvinci induction furnace is a crucible heated by eddy current produced by induction coil, which is transformed into heat energy by electromagnetic induction heating controller and the principle of electromagnetic induction heating.



The electric control cabinet is the core of the whole system. It operates the whole process of the system with PLC controller, adopting German imported components which has more stable performance. It has such settings as emergency stop, fault alarm, temperature control and so on and it can be operated remotely on the PC terminal and is easy to operate.



## Technical parameters

Item No.	Capacity of crucible (KG)	MAX melting capacity (KG/H)	Aluminum supply for die casting (KG/H)	Power Consumption/1T aluminum (KW/T)	Installation Power (KW/H)	Dimensions (CM)
GV-200-EI	200	100	50-80	≤385	45	Φ130*H95
GV-330-EI	330	140	80-120	≤385	60	Φ130*H113
GV-500-EI	500	200	130-180	≤385	90	Φ142*H116
GV-650-EI	650	250	160-220	≤385	110	Φ146*H120

## Product Futures

**The latest product, suitable for melting metal under 1000°C :**

**Energy and cost saving:** average consumption of aluminium is 0.4 °C /KG aluminium, which saves more than 30% than traditional resistance furnace.

**Efficient utilization:** 1 H rise temperature 600°C, super fast heating speed, lasting constant temperature;

**Environmental protection:** in line with the national energy saving and emission reduction policy, no dust, no lampblack, no harmful gas emissions;

**Safety and stability:** TOKO technology, IGBT and DSP technology, with anti-shock, leakage, aluminium leakage, overflow, power failure and other intelligent protection; using electromagnetic induction heating, machine surface temperature is reduced, human body can safely touch;

**Less aluminium slag:** electromagnetic eddy all-round induction heating, high utilization rate of raw materials;

**Long service life:** crucible is heated uniformly, constant temperature, life is prolonged by 50% on average, and service life is up to 10 years.

**Accurate temperature control:** instantaneous reaction, crucible heating, no lag phenomenon ;

**Simple maintenance:** using insulating material and high temperature wire winding, long service life, basically without any maintenance

### Induction furnace VS electric resistance furnace

1. Energy saving: Induction furnace saving 30% than resistance furnace
2. Temperature rising: 2.5h VS 5h for melting 1 ton aluminum at first time
3. Safety: body safely touch VS accident burns and scalds
4. Maintenance cost: almost no VS high (resistance wire)

## Product Details



**Furnace and cabinet**

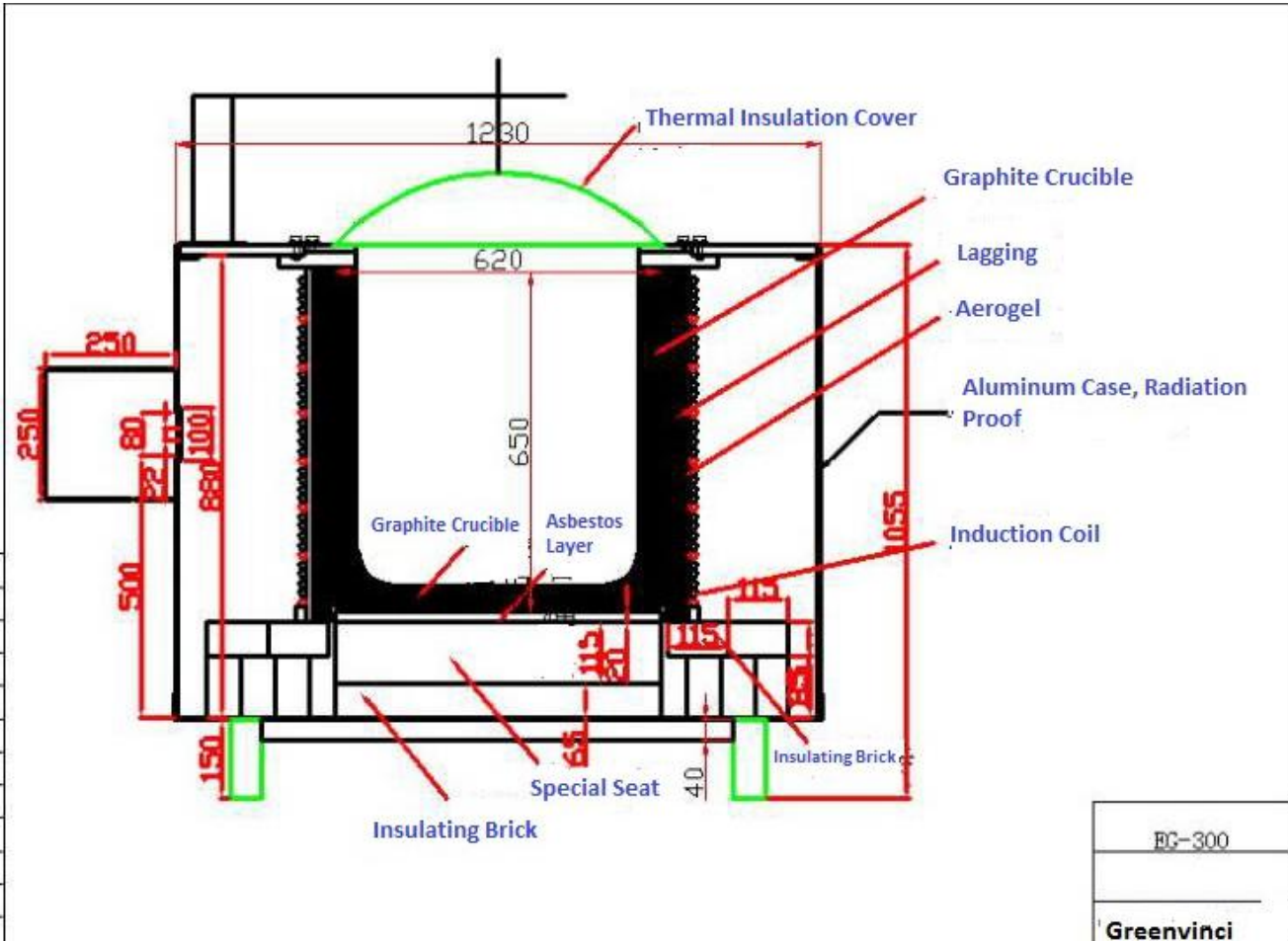


**Crucible**



**Induction coil**

**The inside structure:**



## Applications



GreenVinci in World  
For the future , for the world .



## Our Services

- 👉 12 months warranty after acceptance. Free service for quality defects during the warranty period.
- 👉 Free technical guidance of installation commissioning services.
- 👉 Lifetime discount offers vulnerable parts and related consumables, and assist in equipment maintenance and spare parts replacement.
- 👉 Free technical training for operators; food, accommodation, transportation costs by customers.
- 👉 Technical guidance in different occasions.

## Our Company

With more than 20 years experience in the aluminium smelting furnace manufacturing industry, we focus on production, sales and research and development of low melting point metal smelting such as aluminium, magnesium and zinc, and complete sets of equipment for die casting industries. Customer satisfaction is our eternal pursuit. In the spirit of "honest management, customer first", we are committed to providing

customers with better quality products and services!



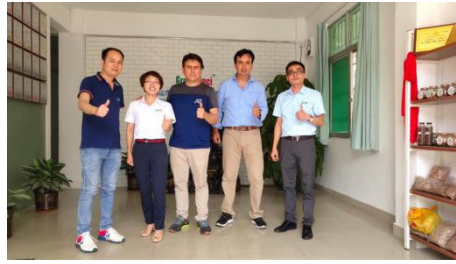
### Certificates



## Global customers



Myanmar



Ecuador



Malaysia



India



Vietnam



Canada



Ukraine



Austria



Brazil



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