Scrap Sponge Iron Melting Furnace , Electric Melting Furnace Stainless Steel Alloy

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: OEM
- Certification: CE Certification
- Model Number: OEM
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Carton, pallet, wooden case or according to customer's package requirements
- Delivery Time: 30 working days
- Payment Terms: 30% deposit + 70% T/T before shipping
- Supply Ability: 20 sets per month

Product Specification

- Type 1:   Contacting Pad
- Type 2:   Scrap
- Type 3:   Scrap And Sponge Iron
- Type 4:   EAF
- Type 5:   LF
- Type 6:   Contact Pad
- Highlight: **eaf electric arc furnace**, **submerged electric arc furnace**

Electric Arc Furnace EAF LF VOD tilting mechanism Electrode lifting mechanism

Electric Arc Furnace Description

Electric arc furnace is use of electrode arc generated by high-temperature melting ore and metal, gas discharge arcing when the energy is concentrated, the arc temperature is 3000 degrees or more.

For the melting metal, compared with other steel-making furnaces, EAF process is most flexibility, can effectively remove the sulfur, phosphorus and other impurities, temperature easy to control, small footprint, suitable for high-quality alloy steel smelting.

With scrap and sponge iron as raw materials, for smelting of high quality carbon steel.
Steelmaking workshop has 2 sets of 30 tons of electric arc furnace, smelting cycle 90 minutes, two electric arc furnace alternately smelting, providing 30 tons of molten steel to the LF furnace every 45 minutes.
LF furnace with dual car layout, smelting cycle 40 minutes.

The main parts of whole set of EAF:
Furnace body,
Furnace tilting mechanism,
Electrode hoisting mechanism,
Lid lifting and rotary mechanism,
Cooling water and display alarm mechanism,
Hydraulic door,
Compressed air system,
Material loading system,
High-voltage switching system,
Transformer,
Series reactor,
Low-voltage power supply system,
Computer-controlled system and frame monitoring system,
Artificial intelligent electrode regulator of neural network.

The product designing and manufacturing capacity of our company can be maximum 100t for electric arc furnace,160t for ladle refinery furnace,and from 3600KVA to 33000KVA for the capacity of submerged arc furnace.
The high and low voltage compensating system,dust collecting system,direct current furnace for ferroalloy,new energy equipments which are suitable for the practical operation are designed on the basis of state industrial policy.