

Quick Melting Speed Induction Melting Furnace Reliable Easy

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Huarui
- Certification: own patent; national testing report ; quality management system certificate
- Model Number: 0.5tons -20tons
- Minimum Order Quantity: 1 sets
- Price: to be negotiated
- Packaging Details: water proof
- Delivery Time: 30~45 days
- Payment Terms: T/T/ L/ C
- Supply Ability: 1000000 sets/ year



Product Specification

- Maintenance: Low
- Melting Speed: Quick
- Safety: Complete
- Operation: Reliable; Easy
- Melting Time: Short
- Durability: High
- Feature: Energy Saving
- Highlight: Induction Melting Furnace Energy Saving, Reliable Induction Melting Furnace Induction Melting Furnace



Product Description

Product Description:

The working principle of an induction melting furnace is based on electricity and magnetism. A resonance occurs between the induction ring and the capacity inside the power supply cabinet, creating an alternating current. This alternating current produces an alternating magnetic field, which makes the electrons in the metal move in alternating directions. This, in turn, leads to the creation of an electron eddy which generates heat, gradually increasing the temperature inside the furnace until it reaches the melting point of the metal.

Power from one set of power cabinet can be synchronously distributed to two smelting furnaces at your any random requirements, one furnace is for smelting, the other one is for insulation synchronously, achieving continuous supply of molten iron in pouring line, both furnaces can also be applied for melting the metal raw material at the same time.

Features:

Power Saving Advantages

Thyristor serial-connected electric furnace has a power factor of over 0.95 which makes it well known as the lowest power consumption device in the industry. Compared to parallel-connected thyristor types, this equipment saves power up to 20% and more.

Environmental Advantages

This equipment has no special requirements for the working environment and has various protective measures such as water pressure detection and temperature detection for the water pipeline. This makes it a suitable equipment for any kind of working environments

Speed Advantage

The thyristor serial-connected melting system is remarkable for its fast melting speed and low power consumption.

Quality Advantages

Failure rate of this equipment is very low and rarely any issues occur within five years. Further more, the maintenance is very simple and convenient.

Technical Advantages

Its technology is mature and its maximum power factor can reach 95%. Power compensation devices and harmonic elimination device are no longer necessary.

Technical Parameters:

Induction melting furnace power supply, thyristor serial-connected inverter medium frequency power supply , one power supply cabinet drives two furnaces

Type	DX-5000Kw
inlet power supply (V)	750V/ six phases
inlet current (A)	1924
Direct current voltage (V)	2000
Direct current (A)	2400
medium frequency voltage (+ -10%) V	3400
medium frequency (Hz)	100-250
medium frequency power (Kw)	5000

Applications:

Casting industry is a large industry, saving energy is the key factor which all casting factories focus on, our induction melting furnace just can meet this requirement. It is capable of melting different types of metals including copper, aluminum, iron and steel, etc.

Customization:

Induction Melting Furnace from Huarui

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Key features:

Complete safety.

Energy Saving.

High durability.

Short melting time.

Quick melting speed.

Support and Services:

We provide technical support and services for Induction Melting Furnace, including:

Onsite troubleshooting and maintenance

Remote technical support

Equipment upgrades and modifications

Spare parts supply

Manuals, drawings and other documents supply

Training for operators and maintenance staff



Shandong Huarui Electric Furnace Co., Ltd.



+86 15053617692



sales@huarui-furnace.com



melt-furnaces.com

Mount Taishan Street, Anqiu Economic Development Zone, Weifang, Shandong