

Quick Melting Speed Iron Melting Furnace with High Efficiency Heat Transfer and Operating Temperature Up To 1600°C

Our Product Introduction

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Basic Information

- Brand Name: Huarui
- Certification: Patent; National Test Report; Quality Management System
- Model Number: To Be Customized
- Minimum Order Quantity: 1 Set
- Price: To Be Negotiated
- Packaging Details: Waterproof
- Delivery Time: 10~45 Days
- Payment Terms: T/T; L/C
- Supply Ability: 1000000 Sets/year



Product Specification

- Power Saving: High
- Heat Loss: Low
- Key Words: Induction Furnace
- Service Time: Long
- Applicable Industries: Manufacturing Plant
- Melting Speed: Quick
- Heat Transfer: High Efficiency
- Delivery Port: Qingdao & Tianjin Or As Your Demand
- Highlight: quick melting iron furnace,
1600°C iron melting furnace,
high heat transfer metal furnace



Product Description

Product Description:

The HUARUI Medium Frequency Induction Iron Melting Furnace is meticulously engineered to offer outstanding performance, exceptional energy efficiency, and reliable operation tailored for foundries and steel manufacturing facilities. This furnace is specifically designed to melt a wide range of ferrous metals, including cast iron and steel scrap. It facilitates rapid melting cycles with precise temperature management, delivering molten metal of superior quality with consistent composition and minimal oxidation.

Constructed using cutting-edge power supply technology alongside durable refractory lining materials, the furnace achieves impressive thermal efficiency. This design significantly lowers power consumption and reduces overall operating expenses. Equipped with an intuitive PLC control system, the furnace ensures smooth operation, straightforward maintenance, and enhanced operator safety. Its compact footprint enables seamless integration into existing production lines, supporting both batch processing and continuous melting workflows. Perfectly suited for applications such as casting, forging, and steel production, the HUARUI Iron Melting Furnace increases productivity while minimizing metal losses. It guarantees a stable and environmentally friendly melting process, making it a reliable choice for metal manufacturers. Opt for HUARUI to benefit from a durable, cost-effective, and high-performance melting solution that elevates your metal production capabilities.

Features:

Features of HUARUI Iron Melting Furnace

The HUARUI Iron Melting Furnace incorporates advanced medium frequency technology, utilizing a cutting-edge IGBT-based power supply. This innovation delivers high electrical efficiency, achieving inverter efficiencies of up to 98%. As a result, the furnace ensures rapid melting cycles while significantly reducing energy consumption and operating costs.

Its superior melting performance is characterized by fast and uniform heating made possible through powerful electromagnetic stirring. This feature guarantees precise temperature control and maintains a homogeneous alloy composition, which consistently produces high-quality molten iron.

Built with durability in mind, the furnace boasts a robust steel structure combined with water-cooled cables and premium refractory lining systems. These components are engineered to provide extended service life, maximize uptime, and withstand the demanding conditions of industrial environments.

The intelligent control system integrates an automatic Programmable Logic Controller (PLC) alongside a user-friendly touch-screen Human-Machine Interface (HMI). This combination simplifies operation, supports recipe management, offers real-time monitoring of essential parameters such as power, temperature, and cooling, and facilitates fault diagnosis to optimize the melting process.

In terms of safety and reliability, the furnace is equipped with comprehensive protection mechanisms. These include constant monitoring of water pressure and temperature, over-current and over-voltage safeguards, as well as earth leakage detection. Such features ensure fail-safe operation, protecting both the equipment and its operators.

Moreover, the HUARUI Iron Melting Furnace features a flexible and environmentally friendly design. It accommodates various production scales through flexible capacity options. The electric melting process minimizes noise, fumes, and emissions compared to conventional methods, thereby promoting a cleaner and greener workshop environment.

Maintenance is streamlined with a design that prioritizes serviceability. The furnace employs accessible components and modular construction, which significantly reduces maintenance time and effort, ultimately enhancing overall productivity.

Technical Parameters:

Service Time	Long
Safety	Complete
Failure Rate	Low
Melting Speed	Quick
Heat Transfer	High Efficiency
Marketing Type	Ordinary Product
Delivery Port	Qingdao & Tianjin Or As Your Demand
Key Words	Induction Furnace
Heat Loss	Low
Safety System	Overheating Protection

Applications:

The Huarui Iron Melting Furnace, with a model number to be customized according to client requirements, is an advanced induction furnace designed for various industrial applications. Certified by patents, national test reports, and a rigorous quality management system, this industrial melting furnace ensures reliability and high performance in demanding manufacturing environments. Its operating temperature reaches up to 1600°C, making it ideal for melting iron and other metals efficiently and safely.

This melting furnace is particularly suited for manufacturing plants that require precise and consistent metal melting processes. Whether you are operating a foundry, metal casting workshop, or any industrial facility that demands high-temperature melting solutions, the Huarui induction furnace offers the perfect combination of power and control. Its overheating protection safety system guarantees safe operation,

minimizing risks and ensuring uninterrupted production cycles.

Due to its easy installation and robust design, the Huarui Iron Melting Furnace can be integrated seamlessly into existing production lines or new manufacturing setups. The product is packaged with waterproof materials to protect it during transit, and delivery is prompt, ranging between 10 to 45 days, depending on order specifications. Orders start from a minimum quantity of 1 set, with pricing to be negotiated to meet specific customer needs.

With a supply capacity of up to 1,000,000 sets per year, Huarui is well-positioned to meet large-scale industrial demands. The furnace can be shipped from Qingdao or Tianjin ports, or alternatively from locations as per customer requirements, ensuring logistical flexibility. Payment terms include T/T and L/C, facilitating smooth international transactions.

In summary, the Huarui Iron Melting Furnace is an ideal choice for industries seeking a reliable, high-temperature induction furnace that combines patented technology, safety features, and customizable configurations. It is designed to deliver superior melting performance in various industrial scenarios, enhancing production efficiency and product quality in the metal manufacturing sector.

Customization:

Huarui offers customized Iron Melting Furnace solutions tailored to your specific needs. Our melting furnace, designed as an advanced induction furnace, ensures quick melting speed and low heat loss, delivering efficient and reliable metal melting furnace performance.

The model number is to be customized according to your requirements, and each unit is backed by certifications including Patent, National Test Report, and Quality Management System, ensuring top quality and safety standards.

We accept a minimum order quantity of 1 set, with prices to be negotiated based on customization details. Each furnace is carefully packaged with waterproof materials to guarantee safe delivery.

Delivery time ranges from 10 to 45 days, depending on the customization and order volume. Payment terms include T/T and L/C options to provide flexible transaction methods.

Our supply ability reaches up to 1,000,000 sets per year, supported by a robust safety system featuring overheating protection to ensure operational safety during metal melting processes.

Delivery ports are available at Qingdao and Tianjin, or as per your demand, facilitating convenient logistics for your induction furnace orders.

The Huarui Iron Melting Furnace is marketed as an ordinary product with exceptional performance, making it a reliable choice for your metal melting furnace needs.

Support and Services:

Our Iron Melting Furnace is designed to provide efficient and reliable melting performance for a variety of industrial applications. To ensure optimal operation and longevity of your furnace, we offer comprehensive technical support and services.

Technical support includes assistance with installation, commissioning, and operation of the furnace. Our team of experts is available to guide you through the setup process, troubleshoot any issues, and provide advice on best practices for furnace use and maintenance.

We also provide regular maintenance services to help prevent unexpected downtime and extend the lifespan of your equipment.

Maintenance packages include inspection, cleaning, parts replacement, and performance testing.

In addition, we offer training programs for your staff to ensure safe and efficient furnace operation. These training sessions cover furnace controls, safety protocols, and emergency procedures.

For any technical queries or service requests, our support team is ready to assist you with prompt and professional service, ensuring your Iron Melting Furnace operates at peak performance.

Packing and Shipping:

Product Packaging:

The Iron Melting Furnace is carefully packaged to ensure safe delivery and protection during transportation. The furnace is first wrapped with protective foam and plastic film to prevent scratches and dust accumulation. It is then secured inside a sturdy wooden crate reinforced with metal straps to withstand handling and shipping stresses. All fragile components and accessories are packed separately with additional cushioning materials. Clear labeling indicating "Fragile" and "Handle with Care" is placed on the packaging to alert handlers.

Shipping:

We offer reliable shipping services for the Iron Melting Furnace to both domestic and international destinations. The furnace is shipped via freight carriers that specialize in heavy industrial equipment, ensuring timely and safe delivery. Prior to dispatch, each unit undergoes a thorough inspection and testing to guarantee quality and functionality. Shipping schedules and tracking information are provided to the customer for transparency. Installation support and after-sales service are available upon request to facilitate smooth setup at the destination.

FAQ:

Q1: What is the brand and model of the Iron Melting Furnace?

A1: The Iron Melting Furnace is branded Huarui, and the model number is to be customized according to your specific requirements.

Q2: What certifications does the Huarui Iron Melting Furnace have?

A2: The furnace comes with a patent, a national test report, and is certified under a quality management system.

Q3: What is the minimum order quantity and price for the Iron Melting Furnace?

A3: The minimum order quantity is 1 set, and the price is negotiable based on your order specifications.

Q4: How is the Iron Melting Furnace packaged and what is the delivery time?

A4: The furnace is packaged with waterproof materials to ensure safe delivery, and the delivery time ranges from 10 to 45 days.

Q5: What payment terms are accepted for purchasing the Huarui Iron Melting Furnace?

A5: Payment can be made via T/T (Telegraphic Transfer) or L/C (Letter of Credit).

Q6: What is the supply capacity for the Iron Melting Furnace?

A6: Huarui can supply up to 1,000,000 sets per year, ensuring availability for large orders.



Shandong Huarui Electric Furnace Co., Ltd.



+86 13235363441



sales@huarui-furnace.com



melt-furnaces.com

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