



Shandong Huarui Electric Furnace Co., Ltd.

melt-furnaces.com



Power Saving Iron Melting Furnace with Overheating Protection and Easy Installation for Efficient Metal Melting

Our Product Introduction

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

- Safety System: Overheating Protection
- Power Saving: High
- Safety: Complete
- Delivery Port: Qingdao & Tianjin Or As Your Demand
- Failure: Low
- Operating temperature: Up To 1600°C
- Installation: Easy
- Power consumption: 50 KW
- Highlight: Power Saving Iron Melting Furnace, Overheating Protection Induction Furnace, Easy Installation Metal Melting Furnace



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Product Description

Product Description:

The HUARUI Medium Frequency Induction Iron Melting Furnace is crafted to provide exceptional performance, energy efficiency, and reliable operation for foundries and steel manufacturing facilities. It is specifically designed to melt a variety of ferrous metals, such as cast iron and steel scrap. This furnace ensures fast melting times combined with precise temperature control, producing high-quality molten metal characterized by excellent composition consistency and minimal oxidation.

Equipped with advanced power supply technology and durable lining materials, the furnace delivers impressive thermal efficiency. This design significantly lowers power consumption and reduces overall operational costs. Additionally, it incorporates a user-friendly PLC control system, which facilitates smooth operation, simplifies maintenance procedures, and enhances safety measures. Its compact structure enables easy integration into existing production lines and supports both batch and continuous melting workflows.

Perfectly suited for applications in casting, forging, and steelmaking, the HUARUI Iron Melting Furnace increases productivity, reduces metal wastage, and guarantees a stable and environmentally friendly melting process. Selecting HUARUI means investing in a robust, cost-efficient, and high-performance melting solution that strengthens your metal production capabilities.

Features:

Features of HUARUI Iron Melting Furnace

The HUARUI Iron Melting Furnace employs advanced medium frequency technology, utilizing a cutting-edge IGBT-based power supply. This innovation delivers exceptional electrical efficiency, achieving up to 98% inverter efficiency. As a result, the furnace offers rapid melting cycles, reduces energy consumption, and lowers operating costs, making it an economically advantageous solution.

In terms of melting performance, the furnace ensures fast and uniform heating through powerful electromagnetic stirring. This technology guarantees precise temperature control and promotes a homogeneous alloy composition, which consistently produces high-quality molten iron suitable for various industrial applications.

Durability and robustness are cornerstones of its design. Constructed with a heavy-duty steel frame, water-cooled cables, and premium refractory lining systems, the furnace is built to endure tough industrial conditions. Its sturdy construction ensures extended service life and maximizes operational uptime.

Equipped with an intelligent control system, the furnace integrates an automatic PLC alongside a user-friendly touch-screen HMI. Operators can easily manage recipes, monitor critical parameters such as power, temperature, and cooling in real time, and perform fault diagnosis, all contributing to optimized process control and reliable operation.

Safety and reliability are paramount features. The HUARUI furnace includes comprehensive protection mechanisms like water pressure and temperature monitoring, over-current and voltage protection, as well as earth leakage detection. These systems work together to guarantee fail-safe operation, protecting both the equipment and personnel from potential hazards.

Designed with flexibility and environmental considerations in mind, the furnace offers various capacity options to accommodate different production scales. Its clean electric melting process generates minimal noise, fumes, and emissions compared to traditional melting methods, promoting a greener and healthier workshop environment.

Maintenance is made straightforward through thoughtful design choices. The furnace features accessible components and a modular construction approach, significantly reducing the time and effort required for servicing. This ease of maintenance helps to maximize overall productivity and minimize downtime.

Technical Parameters:

Heat Loss	Low
Delivery Port	Qingdao & Tianjin Or As Your Demand
Operating Temperature	Up To 1600°C
Service Time	Long
Safety System	Overheating Protection
Key Words	Induction Furnace
Safety	Complete
Power Saving	High
Power Consumption	50 KW
Applicable Industries	Manufacturing Plant

Applications:

The Huarui Iron Melting Furnace, with its customizable model number, is an advanced metal melting furnace designed to meet the diverse needs of industries requiring efficient and reliable iron melting solutions. Certified with patents, a national test report, and a comprehensive quality management system, this furnace guarantees safety and superior performance in all operational environments.

Ideal for foundries, steel manufacturing plants, and metal recycling facilities, the iron melting furnace is engineered to deliver consistent and high-quality melting results. Its robust design ensures low failure rates and high power-saving efficiency, consuming only 50 KW, making it an economical choice for continuous production cycles. The furnace supports a wide range of metal melting processes, including iron, steel, and various metal alloys, making it a versatile asset in metalworking and metallurgical industries.

Packaging is carefully designed to be waterproof, ensuring the furnace arrives in perfect condition regardless of shipping conditions. With a supply ability of up to 1,000,000 sets per year and a delivery time ranging from 10 to 45 days, Huarui can fulfill both small and large-scale orders efficiently. The minimum order quantity is just one set, allowing businesses of all sizes to access this high-quality metal melting furnace. Pricing is flexible and open to negotiation, accommodating different budget requirements.

The iron melting furnace is widely used in various application occasions such as industrial workshops, metal casting factories, and research laboratories focused on metallurgy. It excels in scenarios requiring precise temperature control, high safety standards, and energy-efficient operations. Payment terms including T/T and L/C provide convenient financial arrangements for international and domestic buyers alike.

Huarui's iron melting furnace stands out as an ordinary product with extraordinary reliability, making it a trusted choice for companies seeking a safe, efficient, and cost-effective metal melting furnace. Its comprehensive safety features and low failure rates ensure smooth operation, while the high power-saving capabilities contribute to reduced operational costs, supporting sustainable industrial growth.

Customization:

Huarui offers customized iron melting furnace solutions tailored to your specific needs. Our smelting furnace models are designed with high efficiency heat transfer, ensuring optimal performance with low heat loss and high power saving capabilities. Each iron melting furnace is built to meet rigorous standards, certified by patent, national test reports, and quality management systems for reliable and safe operation.

The model number of the smelting furnace can be customized to fit your exact requirements. We accept a minimum order quantity of just 1 set, with prices to be negotiated based on your specifications. Packaging is waterproof to protect the furnace during delivery, which takes between 10 to 45 days depending on order size and customization details.

Installation of our iron melting furnace is easy, minimizing downtime and setup costs. Payment terms include T/T and L/C for your convenience. With a supply ability of 1,000,000 sets per year, Huarui is well-equipped to meet large-scale demands. Choose our ordinary product marketing type for a reliable and efficient smelting furnace solution that delivers superior performance and durability.

Support and Services:

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

Our technical support team is available to assist with installation guidance, operational training, and troubleshooting. We provide detailed user manuals and maintenance instructions to help you maintain your furnace in peak condition.

Regular maintenance services are recommended to prevent breakdowns and extend the life of the furnace. Our service packages include inspection, cleaning, calibration, and replacement of worn components.

In addition, we offer customization and upgrade services to enhance the capabilities of your existing furnace, adapting it to specific production requirements or improving its energy efficiency.

Should you encounter any technical issues, our experts are ready to provide timely solutions and spare parts support to minimize downtime and ensure continuous operation.

We are committed to delivering high-quality support and services to maximize the performance and reliability of your Iron Melting Furnace.

Packing and Shipping:

Product Packaging and Shipping for Iron Melting Furnace

The Iron Melting Furnace is carefully packaged to ensure it reaches you in perfect condition. Each unit is securely wrapped with protective materials including foam padding and industrial-grade shrink wrap to prevent any damage during transit.

The furnace is then placed inside a sturdy wooden crate designed to withstand rough handling and adverse weather conditions. The crate is reinforced with steel straps and clearly labeled with handling instructions and safety warnings.

For shipping, we offer multiple options including sea freight, air freight, and land transportation. Our logistics team coordinates with reliable carriers to ensure timely and safe delivery to your specified location.

Before dispatch, each furnace undergoes a thorough inspection and testing to guarantee quality and performance. Documentation including user manuals, warranty certificates, and compliance certificates are included within the packaging.

We recommend that upon receipt, customers inspect the packaging and the product for any visible damage and report immediately to our customer service team to facilitate prompt assistance.

FAQ:

Q1: What is the brand and model number 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 holds a patent, a national test report, and complies with the Quality Management System standards.

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 to be negotiated based on your order details.

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 transportation. Delivery time ranges from 10 to 45 days depending on the order.

Q5: What payment terms are accepted and what is the supply capacity?

A5: Payment terms accepted are T/T (Telegraphic Transfer) and L/C (Letter of Credit). The supply ability is up to 1,000,000 sets per year.



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