

Energy-saving Thyristor Power Supply Cabinet Paired With High-efficiency Steel-shell Induction Furnace, Suitable For Melting Iron, Copper, Steel And Various Other Metals.

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

- Safety: Complete
- Installation: Easy
- Power Saving: High
- Failure: Low
- Key Words: Induction Furnace
- Operating temperature: Up To 1600°C
- Marketing Type: Ordinary Product
- Power consumption: 50 KW



Energy-saving Thyristor Power Supply Cabinet Paired With High-efficiency Steel-shell Induction Furnace, Suitable For Melting Iron, Copper, Steel And Various Other Metals.

Product Description:

The HUARUI Medium Frequency Induction Iron Melting Furnace is specifically designed to provide exceptional performance, high energy efficiency, and dependable operation for foundries and steel manufacturing plants. It is capable of melting a variety of ferrous metals, such as cast iron and steel scrap, ensuring fast melting times coupled with accurate temperature management. This precision results in molten metal of superior quality, characterized by consistent composition and minimal oxidation.

Fitted with cutting-edge power supply technology and long-lasting lining refractories, this furnace delivers outstanding thermal efficiency. This results in a marked drop in power draw and running costs. The unit is managed via a user-friendly PLC system, enabling smooth operation, easing maintenance work, and boosting operational safety. Besides, its space-saving layout allows simple integration into your current production lines, supporting both batch and continuous melting cycles.

Ideal for casting, forging and steelmaking operations, HUARUI's Iron Melting Furnace boosts output and cuts metal loss. It also ensures a steady, eco-conscious melting process. Selecting HUARUI represents an investment in a sturdy, cost-effective and high-performance melting system to reinforce your metal production capacity.

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 technology delivers high electrical efficiency, achieving up to 98% inverter efficiency. As a result, the furnace ensures quick melting cycles, reduces energy consumption, and lowers overall operating costs.

Superior melting performance is another core advantage of the HUARUI furnace. It delivers fast and even heating via strong electromagnetic agitation. This enables precise temperature regulation and uniform alloy makeup, yielding molten iron with reliable premium quality.

Built with durability in mind, the furnace features a robust steel structure complemented by water-cooled cables and premium refractory lining systems. These components are designed to extend the service life of the equipment, maximize uptime, and withstand the rigors of demanding industrial environments.

The intelligent control system enhances operational efficiency by integrating an automatic PLC along with a user-friendly touch-screen HMI. This setup simplifies operation, enables recipe management, and allows real-time monitoring of critical parameters such as power, temperature, and cooling. Fault diagnosis capabilities further optimize the process control.

Safety and dependability stand as top priorities for the HUARUI furnace. It comes fitted with full-range protection functions, such as water pressure and temperature surveillance, overcurrent and overvoltage safeguards, plus earth leakage monitoring. These features secure trouble-free operation, shielding both the equipment and operators.

Engineered for adaptability and environmental awareness, the furnace is available in multiple capacity choices to fit diverse production volumes. Its clean electric melting process greatly lowers noise, smoke and exhaust discharges when compared with conventional approaches, fostering a greener and safer working environment.

Maintenance is made easy through accessible components and a modular construction approach. This design philosophy minimizes maintenance time and effort, helping to maximize overall productivity and keep the furnace running smoothly.

Technical Parameters:

Heat Transfer	High Efficiency
Melting Speed	Quick
Safety System	Overheating Protection
Delivery Port	Qingdao & Tianjin Or As Your Demand
Heat Loss	Low
Safety	Complete
Key Words	Induction Furnace

Applicable Industries	Manufacturing Plant
Power Consumption	50 KW
Failure	Low

Applications:

The Huarui Iron Melting Furnace, model number to be customized, is an advanced metal melting furnace designed for diverse industrial applications. Known for its quick melting speed and high-efficiency heat transfer, this industrial melting furnace is ideal for manufacturing plants that require reliable and efficient metal processing solutions. With an operating temperature of up to 1600°C, it can handle a wide range of iron and metal melting tasks, ensuring optimal performance in various production scenarios.

This induction furnace is well adapted for foundries and metal casting sectors that demand accuracy and fast turnaround. Its fast melting capacity cuts production lead time, lifting the overall output of your plant. The furnace also comes with a complete set of safety provisions, making it a dependable option for heavy industrial settings where operational safety must never be compromised.

Thanks to its patented design and certification backed by a national test report and quality management system, the Huarui Iron Melting Furnace guarantees superior quality and durability. It is packaged with waterproof materials to ensure safe delivery within 10 to 45 days, depending on order specifications. This makes it highly reliable for businesses looking to minimize downtime and maintain continuous production flow.

The furnace is ideal for scenarios such as large-scale metal recycling plants, steel manufacturing units, and specialized metal alloy production facilities. Its capability to operate efficiently at high temperatures and deliver fast melting speeds means it can handle complex melting processes required in automotive, aerospace, and construction industries.

With a supply ability of up to 1,000,000 sets per year and flexible payment terms including T/T and L/C, Huarui offers this metal melting furnace with a minimum order quantity of just one set. Pricing is negotiable based on customization needs, making it accessible for both small and large manufacturing operations. This industrial melting furnace is an excellent investment for any manufacturing plant aiming to enhance its melting efficiency and output quality.

Customization:

Huarui offers customized iron melting furnace solutions tailored to meet your specific manufacturing needs. Our melting furnace models are designed to operate at temperatures up to 1600°C, ensuring efficient and reliable melting processes for various manufacturing plants.

Each melting furnace is certified with patents, national test reports, and adheres to a stringent quality management system, guaranteeing safety and high performance. With a high power-saving design and easy installation, our iron melting furnace optimizes your production while minimizing energy consumption.

We provide flexible customization options with a minimum order quantity of just 1 set. Pricing is negotiable to suit your project requirements. All units are packaged with waterproof materials to ensure safe delivery, with a delivery time ranging from 10 to 45 days.

Our supply ability reaches up to 1,000,000 sets per year, supported by convenient payment terms including T/T and L/C. Trust Huarui for a complete and reliable iron melting furnace solution that enhances your manufacturing plant's efficiency and safety.

Support and Services:

Our Iron Melting Furnace is designed to provide efficient and reliable performance for all your metal melting needs. To ensure optimal operation, please follow the installation and maintenance guidelines provided in the user manual. For technical support, our team of experts is available to assist you with troubleshooting, repairs, and parts replacement. We recommend regular inspections and cleaning to maintain furnace efficiency and prolong its lifespan.

We offer a range of services including installation support, routine maintenance, and emergency repair services. Our technicians are trained to handle all aspects of furnace operation and safety compliance.

Spare parts and consumables for the Iron Melting Furnace are available through authorized distributors. Using genuine parts helps maintain performance and warranty validity.

For detailed service schedules and technical advice, please refer to the product documentation or consult with our support team.

Packing and Shipping:

Product Packaging:

The Iron Melting Furnace is carefully packaged to ensure safe transportation and delivery. It is securely wrapped with protective materials such as foam padding and industrial-grade plastic to prevent any damage during handling. The furnace is then placed inside a sturdy wooden crate or reinforced metal frame, designed to withstand heavy loads and rough transit conditions. All components are clearly labeled and cushioned to avoid movement inside the packaging.

Shipping:

Shipping of the Iron Melting Furnace is handled through reliable freight carriers experienced in transporting heavy industrial equipment. We offer multiple shipping options, including sea freight, air freight, and land transport, depending on the destination and urgency. Each shipment is accompanied by detailed documentation, including packing lists, handling instructions, and customs paperwork when applicable. We ensure timely dispatch and provide tracking information so customers can monitor their order until it arrives safely at the specified location.

FAQ:

Q1: What brand manufactures the Iron Melting Furnace?

A1: The Iron Melting Furnace is manufactured by the brand Huarui.

Q2: Can the model number of the Iron Melting Furnace be customized?

A2: Yes, the model number is to be customized according to your specific requirements.

Q3: What certifications does the Iron Melting Furnace have?

A3: The furnace comes with a patent, a national test report, and a quality management system certification.

Q4: What is the minimum order quantity for the Iron Melting Furnace?

A4: The minimum order quantity is 1 set.

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

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

Q6: How long does it take to deliver the Iron Melting Furnace?

A6: Delivery time ranges from 10 to 45 days depending on order specifications and quantity.

Q7: How is the Iron Melting Furnace packaged for shipment?

A7: The furnace is packaged with waterproof materials to ensure safe delivery.

Q8: What is the annual supply capacity of the Iron Melting Furnace?

A8: Huarui can supply up to 1,000,000 sets per year.

Q9: Is the price of the Iron Melting Furnace fixed?

A9: The price is to be negotiated based on order details and customization.



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