

129 Frequency Voltage 380V Electric Induction Melting Furnace with Ceramic Melting Chamber for High Precision Metal Melting

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Huarui
- Certification: Patent ; national testing report; quality management system certificate
- Model Number: medium frequency
- Minimum Order Quantity: 1
- Price: to be negotiated
- Packaging Details: waterproof ; secure ; vibration proof
- Delivery Time: 20~45 days
- Payment Terms: T/T; L/C
- Supply Ability: 10000 sets/ year



Product Specification

- Safety: High
- Melting Speed: 1-5 Minutes
- Type: 0.5ton
- Safety Features: Overheat Protection
- Advantage: Energy Saving
- Operating Voltage: 380V
- Melting Chamber Material: Ceramic
- Cooling Water Flow: 5-10L/min
- Highlight: **129 Frequency Voltage Induction Melting Furnace**
,
380V Operating Voltage Electric Induction Melting System

Product Description:

The Induction Melting System is a state-of-the-art melting furnace designed to deliver exceptional performance and efficiency for industrial melting applications. Specifically engineered as a 0.5-ton capacity unit, this melting furnace system perfectly balances power and precision, making it an ideal choice for foundries and metal processing facilities that require reliable and rapid melting solutions. Whether you are working with ferrous or non-ferrous metals, this induction melting furnace provides the consistency and control needed to achieve superior melting results every time.

One of the standout features of this melting furnace system is its impressive melting speed. Capable of melting metals within a rapid timeframe of just 1 to 5 minutes, it significantly reduces processing time compared to traditional melting methods. This efficiency not only boosts productivity but also minimizes energy consumption, contributing to a more sustainable and cost-effective melting operation. The quick melting cycle ensures that production lines can maintain a steady workflow without unnecessary delays, thereby improving overall operational efficiency.

Safety is a paramount concern in any industrial setting, and this induction melting furnace is designed with high safety standards to protect operators and equipment. The system incorporates advanced safety mechanisms, including automatic shut-off features, temperature controls, and insulated components that prevent accidental burns or overheating. These safety measures create a secure working environment, allowing operators to focus on the melting process with peace of mind. The robust construction and reliable controls ensure that the melting furnace system operates smoothly under demanding conditions, reducing the risk of accidents and downtime. Cooling is another critical aspect of the induction melting furnace's design. Employing an efficient water cooling method, the system maintains optimal operating temperatures throughout the melting process. This water cooling mechanism not only preserves the integrity and longevity of the furnace components but also enhances the overall performance by preventing overheating. Effective cooling is essential to maintaining consistent melting conditions, which directly impacts the quality of the molten metal. By keeping the furnace at a stable temperature, the water cooling system helps achieve better control over the melting process and ensures uniformity in the final product.

Energy efficiency is a key advantage of this melting furnace system. With an impressive energy efficiency rating of 90%, the induction melting furnace maximizes power utilization while minimizing waste. This high level of efficiency translates to lower energy costs and reduced environmental impact, making it an economically and ecologically responsible choice. The system's design optimizes electromagnetic induction to generate heat precisely where it is needed, which reduces energy loss and improves overall melting performance. By investing in this energy-efficient melting furnace, facilities can achieve substantial savings on operational expenses over time.

In summary, the 0.5-ton induction melting furnace system offers a powerful combination of rapid melting speed, high safety standards, effective water cooling, and outstanding energy efficiency. Its advanced design and reliable operation make it an indispensable tool for modern metal melting applications. Whether you are upgrading your current melting furnace or implementing a new melting furnace system, this induction melting furnace is engineered to meet the demands of today's industrial environment. Experience enhanced productivity, superior safety, and cost-effective performance with this cutting-edge melting furnace solution.

Applications:

The Huarui Medium Frequency Melting Furnace is an advanced induction melting furnace system designed to meet the diverse needs of modern metal melting and casting industries. This medium frequency melting furnace, originating from China, is renowned for its high efficiency and reliable performance, making it an ideal solution for various production environments. Certified with patents, national testing reports, and a rigorous quality management system certificate, the Huarui induction melting furnace guarantees quality and safety for industrial applications.

This induction melting furnace system is specifically designed for rapid melting processes, achieving melting speeds between 1 to 5 minutes. It operates on a stable 380V electric power supply, with a frequency voltage of 129, ensuring consistent and efficient energy consumption. The cooling system requires a water flow of 5-10L/min, helping maintain optimal operating temperatures and prolonging the lifespan of the equipment. Due to its robust construction and technology, the Huarui medium frequency melting furnace is suitable for melting a wide range of metals including ferrous and non-ferrous materials.

The induction melting furnace system is widely applied in foundries, metal processing plants, jewelry manufacturing, and research laboratories. It is perfect for occasions where precision melting is essential, such as in the production of high-quality alloys, steel, copper, aluminum, and precious metals. Its compact design and secure packaging, which is waterproof, vibration-proof, and secure, make it convenient for transportation and installation in varied industrial sites. With a supply ability of 10,000 sets per year and a minimum order quantity of just one set, it offers flexibility for both small-scale and large-scale operations.

Businesses can negotiate pricing based on their order volume and specific requirements. The delivery time ranges from 20 to 45 days, ensuring timely availability for urgent projects. Payment terms include T/T and L/C, providing secure and flexible financial arrangements. Overall, the Huarui medium frequency melting furnace stands out as a reliable, efficient, and versatile induction melting furnace system that caters to the demanding applications and scenarios of metal melting industries worldwide.

Customization:

Huarui offers comprehensive product customization services for our medium frequency induction melting furnace system. As a leading brand from China, our electric induction melting furnace is designed to meet diverse industrial needs with high safety standards and reliable performance.

Our induction melting furnace system features a ceramic melting chamber material and operates at an operating voltage of 380V with a frequency voltage of 129. We ensure quality and safety through multiple certifications, including patents, national testing reports, and quality management system certificates.

We accept a minimum order quantity of 1 unit, with pricing to be negotiated to best suit your specific requirements. Our packaging is waterproof, secure, and vibration proof, guaranteeing the safe delivery of your induction melting furnace system.

The delivery time ranges from 20 to 45 days depending on customization and order volume. Payment terms are flexible, including T/T and L/C options, to facilitate smooth transactions.

With a supply ability of 10,000 sets per year, Huarui is committed to providing high-quality electric induction melting furnace systems tailored to your needs, ensuring excellent performance and safety in your melting operations.

Support and Services:

Our Induction Melting System is designed to provide efficient and precise melting solutions for a variety of metals and alloys. Our technical support team is committed to ensuring optimal performance and reliability of your system.

We offer comprehensive installation guidance, routine maintenance services, and troubleshooting assistance to minimize downtime and maximize productivity. Our experts are available to help with system calibration, software updates, and process optimization tailored to your specific application needs.

In addition, we provide detailed user manuals and training programs to empower your operators with the knowledge required for safe and effective system operation. Our support services also include spare parts supply and upgrade options to extend the lifespan of your induction melting equipment.

Whether you require on-site support or remote assistance, our dedicated team is ready to help you achieve consistent melting results and maintain the highest standards of quality in your production processes.

Packing and Shipping:

Product Packaging:

The Induction Melting System is carefully packed to ensure maximum protection during transit. Each unit is secured within a custom-fitted foam mold to prevent movement and absorb shocks. The system components are wrapped in anti-static and moisture-resistant materials to safeguard against environmental damage. All accessories and manuals are included in a separate compartment within the packaging. The outer box is made of durable, high-quality corrugated cardboard, clearly labeled with handling instructions and product information.

Shipping:

We offer reliable shipping options to deliver the Induction Melting System safely to your location. Shipments are handled by trusted carriers experienced in transporting sensitive equipment. Tracking information will be provided once the product has been dispatched. Shipping times may vary depending on the destination, but we strive to process and ship all orders promptly. For international shipments, all necessary customs documentation will be prepared to ensure smooth clearance. Please contact our support team for any specific shipping requirements or expedited delivery options.

FAQ:

Q1: What is the brand and model of the Induction Melting System?

A1: The Induction Melting System is branded Huarui and the model number is medium frequency.

Q2: Where is the Induction Melting System manufactured?

A2: The Induction Melting System is made in China.

Q3: What certifications does the Induction Melting System have?

A3: The system holds a patent, a national testing report, and a quality management system certificate.

Q4: What are the packaging details for the Induction Melting System?

A4: The product is packaged to be waterproof, secure, and vibration proof to ensure safe delivery.

Q5: What is the delivery time and payment terms for ordering the Induction Melting System?

A5: The delivery time ranges from 20 to 45 days. Payment terms accepted are T/T and L/C.



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