

Ceramic Melting Chamber Medium Frequency Melting Furnace with 380V Operating Voltage and 1-5 Minutes Melting Speed

Our Product Introduction

for more products please visit us on melt-furnaces.com

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

- Frequency Voltage: 129
- Type: 0.5ton
- Cooling Method: Water Cooling
- Control System: PLC
- Cooling Water Flow: 5-10L/min
- Melting Speed: 1-5 Minutes
- Power Supply: Electric
- Operating Voltage: 380V
- Highlight: **Ceramic Melting Chamber Induction Melting System**
,
380V Operating Voltage Medium Frequency Melting Furnace
,
1-5 Minutes Melting Speed Electric Induction

Product Description:

The Induction Melting System is an advanced electric induction melting furnace designed to deliver exceptional performance and efficiency for various industrial melting applications. This medium frequency melting furnace is engineered to provide rapid melting speeds, ensuring that materials are melted within a short time frame of just 1 to 5 minutes. Its swift melting capability significantly enhances productivity, making it an ideal choice for foundries, metal casting factories, and other metallurgical industries that require quick and reliable melting processes.

One of the key features of this system is its high safety standards. The Induction Melting System incorporates multiple safety mechanisms to protect operators and equipment, minimizing risks associated with high-temperature melting operations. The robust construction and advanced control systems ensure safe operation even under demanding industrial conditions, providing peace of mind to users while maintaining optimal performance.

This medium frequency melting furnace operates at a frequency voltage of 129, which is carefully optimized to improve energy efficiency and melting consistency. The medium frequency design offers a perfect balance between high-frequency and low-frequency induction melting technologies, resulting in better control over the heating process and uniform melting of metals. This ensures the production of high-quality molten metal with minimal impurities and superior structural integrity.

The operating voltage of the Induction Melting System is 380V, which is standard for heavy industrial equipment. This voltage specification allows the furnace to handle substantial power loads, supporting its robust melting capacity of 0.5 tons. The 0.5-ton type furnace is ideal for medium-scale production environments, offering a practical solution for businesses seeking to optimize their melting operations without compromising on capacity or efficiency.

Designed with user convenience in mind, this electric induction melting furnace features intuitive controls and easy maintenance procedures. Operators can quickly adjust parameters to suit different materials and melting requirements, thanks to the responsive control panel and automated systems. Additionally, the furnace's design facilitates easy access for cleaning and servicing, ensuring minimal downtime and prolonged equipment lifespan.

Energy efficiency is another significant advantage of this medium frequency melting furnace. By utilizing medium frequency induction technology, the system reduces power consumption compared to traditional melting methods, translating into lower operational costs and a smaller environmental footprint. This makes the Induction Melting System not only a cost-effective choice but also an environmentally responsible one.

In summary, the Induction Melting System represents a high-performance, safe, and efficient solution for metal melting needs. Its rapid melting speed of 1 to 5 minutes, combined with high safety features, a frequency voltage of 129, and an operating voltage of 380V, makes it a versatile and reliable medium frequency melting furnace. With a melting capacity of 0.5 tons, it is perfectly suited for medium-scale industrial applications, offering users a powerful tool to enhance productivity and quality in their melting processes.

Whether you are upgrading your existing melting equipment or establishing a new production line, this electric induction melting furnace is an excellent choice that delivers superior melting speed, safety, and energy efficiency. Invest in this medium frequency melting furnace to experience the benefits of modern induction melting technology, ensuring consistent quality and operational excellence in your metallurgical operations.

Applications:

The Huarui Induction Melting System, model number medium frequency, is a highly efficient melting furnace designed for diverse industrial applications. Originating from China and backed by multiple certifications including patent rights, national testing reports, and quality management system certificates, this induction melting furnace system guarantees reliability and top-notch performance. With a melting chamber made of durable ceramic material and an advanced water cooling method, it ensures optimal temperature control and longevity during operation.

This induction melting furnace is ideally suited for metal foundries, jewelry manufacturing, automotive parts production, and aerospace industries where precision melting is critical. Its 0.5-ton capacity and 90% energy efficiency make it a cost-effective solution for medium-scale melting operations. The PLC control system allows for precise monitoring and automation, enhancing productivity and reducing manual intervention.

The product is designed to withstand challenging environments with packaging that is waterproof, secure, and vibration-proof, ensuring safe delivery within 20 to 45 days after order confirmation. The minimum order quantity is just one unit, making it accessible for businesses of varying scales. Payment terms are flexible, accepting T/T and L/C, while the supply ability is robust at 10,000 sets per year to meet high demand.

Typical application occasions for the Huarui induction melting furnace include metal recycling centers, research laboratories, and small to medium manufacturing plants requiring reliable melting solutions. It is particularly beneficial in scenarios demanding quick melting cycles, energy savings, and precise temperature control. The system's water cooling feature is crucial in continuous operation environments, preventing overheating and ensuring consistent output quality.

Overall, the Huarui medium frequency induction melting furnace system is an excellent choice for industries seeking an energy-efficient, durable, and technologically advanced melting furnace. Its combination of ceramic melting chamber, PLC control, and water cooling method makes it adaptable to various melting requirements, ensuring high productivity and quality in metal melting applications.

Customization:

Huarui offers customized solutions for our medium frequency Induction Melting System, designed to meet your specific requirements. Our electric induction melting furnace is built with high safety standards, featuring overheat protection to ensure reliable and secure operation. Originating from China, our melting furnace system comes with comprehensive certifications including Patent, national testing report, and quality management system certificate, guaranteeing quality and performance.

We provide flexible ordering with a minimum order quantity of just 1 unit. Pricing is negotiable to best suit your budget and needs. Each unit is carefully packaged to be waterproof, secure, and vibration proof, ensuring safe delivery.

With a supply capacity of 10,000 sets per year, we can deliver your customized Induction Melting System within 20 to 45 days. Payment terms include T/T and L/C for your convenience.

Our 0.5 ton medium frequency electric induction melting furnace boasts 90% energy efficiency, combining performance with cost-effectiveness. Trust Huarui for a melting furnace system that prioritizes quality, safety, and tailored service.

Support and Services:

Our Induction Melting System is designed to provide efficient and precise melting solutions for a variety of metals and alloys. To ensure optimal performance and longevity of your equipment, we offer comprehensive technical support and services.

Our technical support team is available to assist you with installation guidance, operational training, and troubleshooting. We provide detailed user manuals and documentation to help you understand system functionalities and maintenance procedures.

Regular maintenance services are recommended to keep your Induction Melting System operating at peak efficiency. These services include inspection of coils and cooling systems, calibration of controls, and replacement of wear parts as necessary.

We also offer customization and upgrade options to tailor the system to your specific production requirements. Our engineers can assist in modifying system parameters, enhancing automation features, and integrating with other manufacturing equipment.

In the event of any technical issues or system malfunctions, our support team is equipped to provide remote diagnostics and, if required, onsite repair services to minimize downtime.

For spare parts and consumables, we maintain a comprehensive inventory to ensure quick availability and delivery, helping you maintain continuous operation without interruption.

Our commitment is to provide reliable support and services that maximize the value and performance of your Induction Melting System throughout its lifecycle.

Packing and Shipping:

Product Packaging:

The Induction Melting System is carefully packaged to ensure safe delivery and protection during transit. Each unit is securely wrapped with anti-static and shock-absorbent materials, then placed inside a custom-fitted wooden crate. The packaging includes foam inserts to prevent movement and damage, along with moisture-resistant covers to protect against humidity. All accessories, manuals, and cables are packed separately within the crate to avoid any potential damage.

Shipping:

We offer worldwide shipping for the Induction Melting System using reliable freight carriers. Shipping options include air freight for faster delivery and sea freight for cost-effective transport. Each shipment is fully insured and tracked to provide peace of mind. Our logistics team coordinates with customers to schedule delivery dates and ensure smooth customs clearance. Upon receipt, please inspect the package for any signs of damage and report immediately if any issues are found.

FAQ:

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

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

Q2: Where is the Induction Melting System manufactured?

A2: This product 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 is the minimum order quantity and price for the Induction Melting System?

A4: The minimum order quantity is 1 unit, and the price is negotiable based on order details.

Q5: How is the Induction Melting System packaged and what are the delivery terms?

A5: The product is packaged to be waterproof, secure, and vibration proof. The delivery time ranges from 20 to 45 days.

Q6: What are the payment terms and supply capacity for the Induction Melting System?

A6: Payment can be made via T/T or L/C. The supply ability is 10,000 sets per year.



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