

# 500kg Aluminum Induction Melting Furnace

This induction melting furnace is designed for melting aluminum and aluminum alloys. It offers high melting efficiency, good metal component uniformity, and easy temperature control.



## Product Overview

### High-Efficiency Aluminum Melting Solution

This 500kg induction melting furnace is engineered specifically for aluminum and aluminum alloy processing. It features advanced constant power output and zero-voltage sweep-frequency starting, ensuring rapid melting cycles and superior energy efficiency. Designed for reliability, the system includes comprehensive protection functions such as overcurrent, overvoltage, and water-break safeguards, making it a robust choice for professional foundry operations.

## Technical Specifications

Rated Capacity	0.5 T
Rated Power	250 KW
Melting Rate	0.42 T/H
Melting Time	71 Minutes/batch
Electricity Consumption	610 KWH/T

## Electrical Requirements

Power Input Voltage	380 V
MF Output Voltage	1500 V
MF Frequency	1 KHZ
Transformer Capacity Required	250 KVA

## Operational Parameters

Operating Temperature	780 Degree
Water Cooling Consumption	9 T/H

## Key Features

### Safety Protection Systems

- Overcurrent protection
- Overvoltage protection
- Current-limiting protection
- Voltage-limiting protection
- Water-break protection
- Default protection

### Performance Advantages

**1 Zero-voltage sweep**

Start Style

**100 Output**

Constant Power