

# 750kg Intermediate Frequency Induction Melting Furnace for Steel

This intermediate frequency induction melting furnace is mainly used for melting iron, steel, stainless steel, and alloys. It offers high melting efficiency, good electricity saving, good metal component uniformity, less burning loss, and speedy temperature rise.



## Overview

### High-Efficiency Induction Melting

This 750kg intermediate frequency induction melting furnace is engineered for the precise and efficient melting of iron, steel, stainless steel, and various alloys. It features advanced constant power output technology, enabling rapid heating cycles and significant energy savings. Designed for reliability, the system supports frequent starts and ensures uniform metal composition with minimal burning loss, making it an ideal solution for modern casting and metal processing operations.

## Performance Metrics

### Core Performance Metrics

**0.75 T**

Rated Capacity

**1.2 T/H**

Melting Rate

**500 KW**

Rated Power

## Technical Specifications

### Detailed Specifications

Parameter	Value
Furnace Model	GW-0.75T-500KW/1S
Max. Capacity	0.95 T
MF Frequency	1 KHZ
Power Input Voltage	380 V
MF Output Voltage	750 V
Pulse	6/12
Melting Time	48 Minutes/batch
Electricity Consumption	640 KWH/T
Transformer Capacity	600 KVA
Water Cooling Consumption	20 T/H

## Applications

Supported Materials	Iron, Steel, Stainless Steel, Alloys
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## Key Advantages

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- Constant power output for rapid melting
- High energy efficiency
- Zero-voltage sweep-frequency start style
- Uniform metal composition
- Reduced metal burning loss
- Easy temperature control