

# what is induction melting

United Induction Heating Machine Limited

We are experienced in Induction Heating, induction heating machine, Induction Heating equipment. They are widely used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering induction melting and induction surface treatment applications  
<http://www.uihm.com>

## induction melting

Induction melting is the process to melt the ferrous and non-ferrous metals for forming applications, tools & component casting and precious metal melting etc.

UIHM Induction Melting Furnace provides very efficient & time saving melting of metals for various applications

### Features:

Eco-friendly due to noiseless and flameless operation

Application Specific

Auto or manual mode operation

Improved power factor

Tropicalised design

No statutory approvals required

Lesser risk involved compared to conventional methods

Compact size

Uniform metal melting due to induction churning

Less oxidation loss

Highest system efficiency

Highly adaptable for automation

Easier molten charge handling

No pre-heating required

Cost efficient & energy saving

Induction heating is a smart and proven way of melting metal and glass.

UIHM Induction melting has developed different solutions within a variety of areas such as precious metals, tilting furnace melting, investment casting and lab applications.

With an induction melting furnace the process is considerably cleaner than with a traditional furnace. This means you don't need to purify after the melting, which makes it possible to cut one step in the production process. Lower maintenance costs and machine inventory are some of the benefits.

Induction melting is also safer and more cost-effective. No flame that leads to substantial heat losses or increases the risk of work injuries and fires.

In addition, induction melting is accurate and repeatable—important to secure the quality in your melting processes.

Applications:

vacuum Induction Melting.

Platinum Melting.

Very high Temperature Induction Melting.

Levitation Melting Systems in microgravity of space.

High Temperature ceramic melting furnace.

Crystal Growing.

Alloy Melting.

Aluminium Foundry.

Gold Melting.

Silver Melting.

Steel Foundry.

induction melting furnace



service@uihm.com  
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