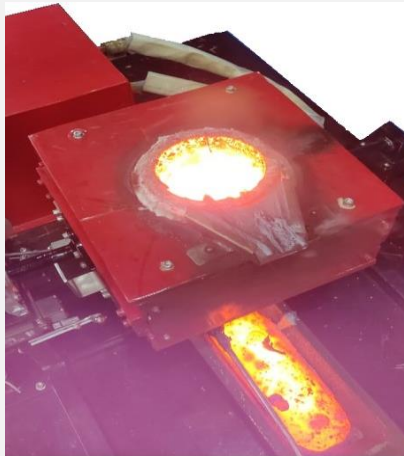


**GROW CONTROL
POWER TECH PVT. LTD.**

We Provide Solutions....

AN ISO 9001:2015 COMPANY



INDUCTION MELTING MACHINE



GROW CONTROL
POWER TECH PVT. LTD.

We Provide Solutions....

THE ULTIMATE SOLUTION

GROW CONTROL has developed special purpose induction heating systems for melting applications of metals based on various metals and industrial applications. Induction melting is a process where melting is melted into liquid form in an induction furnace crucible.

GROW CONTROL These furnaces are ideal to melt all metals like Copper, cast iron, Aluminium, Steel, Brass, Silicon, Gold, Silver. These furnaces used in the Foundry, Castings. A high efficiency of the electrical output that drastically reduces electricity consumption while maintaining the production rate thanks to frequency conversion system we have used.

The modular construction of the electric circuit board greatly simplifies maintenance operations and guarantees high reliability even in the most demanding working conditions.

The highest technical standards used to design the inductors along with the modular construction and the use of only high quality materials guarantee maximum production.

GROW CONTROL is having expertise in Induction Heating Technology and capability of building complete Induction Heating turnkey Solutions. We offer complete Design and Process consultancy for NEW Product / Process development for customized systems.

Features

- Efficient IGBT based Induction Furnace
- Hydraulic operated tilting furnace.
- Self-diagnosing power source.
- Dedicated Technical support.
- Space-saving, compact designs that require less of your working space
- Hassle-free maintenance and minimal downtime
- Unparalleled durability for a long crucible life
- Improved production values through higher melting rates



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THE ULTIMATE SOLUTION!!!

Key Advantages

1. **Indigenous Technology:**

Developed and manufactured in India, ensuring compatibility with local industry standards and providing accessible technical support.

2. **High Reliability:**

Engineered for stable and consistent performance, ensuring reliable melting even under demanding operational conditions.

3. **Comprehensive Customization:**

GROW CONTROL offers tailored solutions to meet specific melting requirements, ensuring optimal functionality for every application.

Applications

1. **Metal Casting:**

Ideal for melting ferrous and non-ferrous metals for casting applications, ensuring high-quality molten metal.

2. **Aerospace Components:**

Suitable for melting aerospace alloys that require high precision and reliability.

3. **Automotive Parts:**

Effective for melting automotive alloys for the production of critical components.

4. **Metal Recycling:**

Used in recycling operations to melt down scrap metal for reuse, promoting sustainable manufacturing practices.

Customization Options

GROW CONTROL provides a variety of customization options for the Induction Melting Machine to accommodate specific application requirements:

- **Custom Power Ratings** to suit specific melting needs
- **Enhanced Control Features** for specific materials and melting profiles
- **Integrated Monitoring Systems** for real-time performance feedback
- **Modular Configurations for Increased Capacity**
- **Communication Interfaces** for enhanced integration with production systems

Our engineering team collaborates with clients to deliver tailored solutions that precisely fit their operational needs, ensuring optimal performance and compatibility.



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We Provide Solutions....

THE LEADER IN INDUSTRY

Why Choose **GROW CONTROL**?

- **Indigenous Expertise:** Tailored to meet Indian industry standards with local support for customization and maintenance.
- **Reliable and Consistent Performance:** Ensures precise and repeatable melting essential for critical applications.
- **Low Maintenance Requirements:** Durable design reduces wear and tear, minimizing downtime and maintenance costs.
- **Energy Efficient and Cost-Effective:** Low energy losses lead to cost savings and enhanced operational efficiency.
- **Comprehensive Customer Support:** From initial design consultation to installation and ongoing support, **GROW CONTROL** offers a full range of services

Certifications

- **ISO 9001:2015** – Quality Management Systems

Technical Specification

Model no	GC153IMF	GC253IMF	GC303IMF	GC353IMF	GC503IMF
Type	Air Induction Melting Furnace	Air Cooled Induction Heating Unit with Induction Coil	Medium Frequency Induction Melting Furnace	Medium Frequency Induction Melting Furnace	LYSO Furnace Induction Furnace
Capacity (KW)	15	25	30	35	50
Input Voltage	415V±10%, 3-ph, 50Hz				
Input power factor	0.9				
Power control	Manual or Auto				
Power factor	Near unity with PLL frequency tuning				



OUR CLIENTS



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