

**BUILT ON EXPERTISE.
DRIVEN BY EXCELLENCE.**



HEAT, SMARTER & FASTER



+91 99250 26064
www.gururajengineers.com



GEPL is proud to introduce its latest innovation in **induction heating** technology- the **Auto Resonance Induction Heating System**. The coil type system is designed to heat metals of various shapes and sizes for various applications like **brazing, heating, metal forming** and more.

KEY FEATURES:

☛ **Micro Controller based unit:**

Our unit is a Micro Controller Based **Compact Unit with LCD display** for setting **various parameters** and **display of currents, frequency** etc.

☛ **Latest Components And Technology:**

The unit is based on **IGBT, Insulated Gate Bipolar Transistor, and the latest micro controller technology**.

☛ **Auto Resonance:**

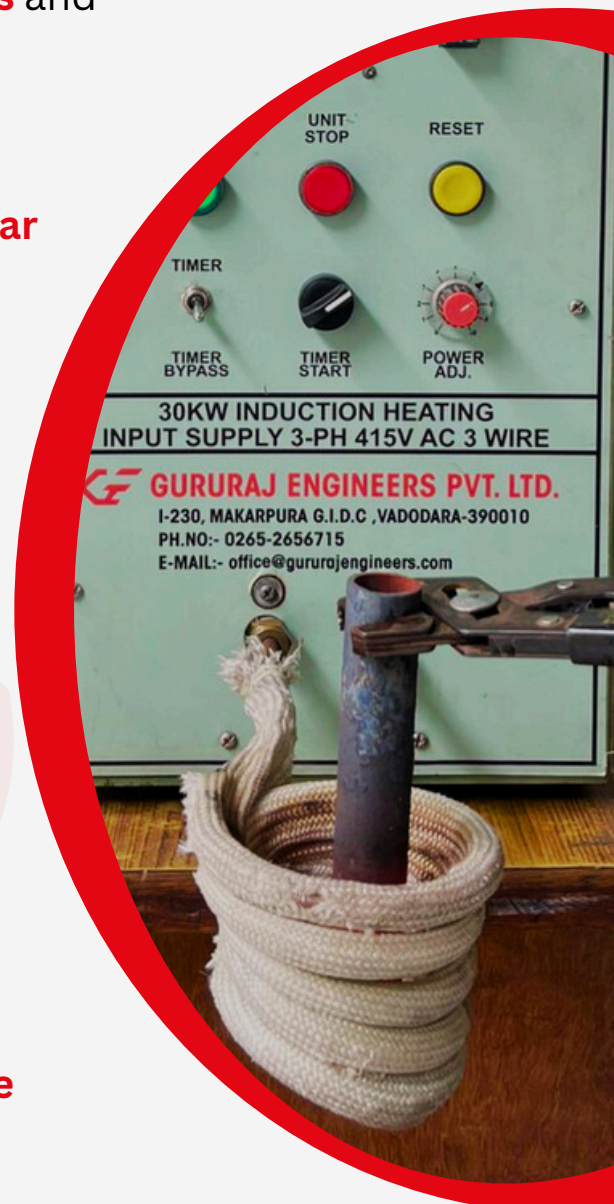
The unit automatically **detects** and **adjusts** to the resonance frequency of the workload, ensuring optimal heating efficiency.

☛ **Water Cooled System:**

Efficient cooling system **ensures reliable operation** and prolongs equipment life span. The user can use **cooling tower or chiller depending on the duty factor**.

☛ **Compact Size:**

The unit is **compactly designed so that it can be accommodated in small places**.





Safety Features:

It has **many safety features built** in to protect the **equipment and the user**.

Available in 2 models:

- ✓ 15 KW
- ✓ 30 KW

Benefits:

- ✓ Increased heating efficiency
- ✓ Reduced Energy consumption
- ✓ Improved product quality
- ✓ Enhanced safety features
- ✓ Easy operation and maintenance

Options and Accessories:

- ✓ Customized coil designs for specific applications
- ✓ Temperature control systems
- ✓ Remote control and automation options
- ✓ Data logging and monitoring software





TECHNICAL SPECIFICATIONS:



☛ **Power Supply:**

3 Phase, 415 Volts, 50 Hz, AC, Sine wave, 4 Wire
Power Factor on Full Load: > 0.8

☛ **Power Capacity:**

Model 1: 15 KW
Model 2: 30 KW

Cooling System:

Water cooled

☛ **Dimensions:**

Width: 400 mm, Depth; 700 mm, Height: 700 mm
Weight: 30 Kg

☛ **Safety Features:**

Short circuit Protection
Overload current in the line
Overload current in the coil
Thermal overloading of the heat sink

☛ **APPLICATIONS:**

Heating
Brazing
Metal forming
Shrink Fitting
Preheating for Welding
Pipe or Tube Heating








Gururaj engineers Induction Heaters offer advanced heating technology designed to meet the toughest industrial demands — **safely and efficiently.**












Induction Heater – Do's and Don'ts (Industrial Use)

DO's

1.  Read the User Manual Thoroughly
2. Always understand machine specifications and safety instructions before operation.
3.  Use Proper Safety Gear
4. Wear heat-resistant gloves, eye protection, and follow workplace safety protocols.
5.  Ensure Good Ventilation
6. Make sure the working area is well-ventilated to dissipate heat and protect electronic components.
7.  Keep Workpieces Clean and Dry
8. Clean metal surfaces ensure effective and efficient heating.
9.  Monitor Power Settings Carefully
10. Use the correct voltage and frequency as per application to avoid overloading.
11.  Perform Routine Maintenance
12. Regularly inspect coils, cables, and control panels for wear or damage.
13.  Allow Cooling Time
14. Let the system cool down between long heating cycles to avoid overheating.

DON'Ts

1.  Don't Operate Without Training
2. Only trained personnel should operate induction heaters.
3.  Don't Touch Heated Parts Directly
4. The workpiece can reach extremely high temperatures — always use tools or tongs.
5.  Don't Use Damaged Cables or Coils
6. Faulty components can cause arcing or electric shock.
7.  Don't Overload the System
8. Avoid exceeding the rated load capacity or heating time.
9.  Don't Place Flammable Materials Nearby
10. Keep the area clear of oil, paper, plastic, and other combustibles.
11.  Don't Skip Grounding
12. Always ensure proper earthing of the machine to avoid electrical hazards.
13.  Don't Ignore Warning Signals
14. Stop operation immediately if the system shows overheating or error alerts.



Contact Us

+91 99250 26064

Address

I-230, GIDC Rd, Makarpura GIDC,
Makarpura, Vadodara, Gujarat 390010

Follow Us



gururajengineers_pvt.ltd



gururajengineers



gururajengineers



@gururajengineers1981



<https://gururajengineers.com/>



office@gururajengineers.com