



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

We Provide Solutions....

AN ISO 9001:2015 COMPANY



RESISTANCE BRAZING MACHINE



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GROW CONTROL is a research-based power electronics organization that blends technology, innovation, and engineering to transform concepts into world class products and solutions.

GROW CONTROL Resistance Brazing Machine is a state-of-the-art solution designed to facilitate precise and efficient brazing of metal components. Utilizing Indigenous technology, this machine is ideal for applications requiring strong, durable joints in various industries, including automotive, aerospace, and electrical components. The resistance brazing process ensures minimal heat distortion and maximum joint integrity, making it an optimal choice for manufacturing processes that demand high-quality assembly.

GROW CONTROL Resistance Brazing Machine provides a high-performance solution for various brazing applications, ensuring reliability, precision, and efficiency. Utilizing **Indigenous technology**, these machines are engineered to meet the demands of the automotive, aerospace, and electrical sectors, delivering exceptional performance and versatility.

Features

- **High Precision Control:** Advanced digital control systems allow for precise regulation of current and heating time, ensuring optimal brazing conditions for various materials.
- **Versatile Brazing Capability:** Suitable for a wide range of metals and alloys, including copper, aluminum, and brass, catering to diverse industrial applications.
- **User-Friendly Interface:** Features an intuitive digital touchscreen control panel for easy operation, monitoring, and adjustments during the brazing process.
- **Compact Design:** Designed for easy integration into existing production lines, optimizing space utilization while providing high efficiency.
- **Safety Mechanisms:** Equipped with advanced safety features, including over-current protection, thermal protection, and emergency stop functions to ensure safe operation.
- **Energy Efficiency:** Utilizes a high-efficiency design that minimizes energy consumption, resulting in lower operational costs and reduced environmental impact.
- **Manual & Automation:** It can be used either Manual mode or Auto Mode as per your convenience. It can be integrated into the production line.

Key Advantages

1. Indigenous Technology:

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

2. Flexible Applications:

Suitable for various brazing tasks across industries such as automotive, aerospace, HVAC, and electrical component manufacturing.

3. Reliable Performance:

Engineered for stable and consistent performance, ensuring high-quality brazing even under demanding operational conditions.

4. Environmentally Friendly:

No emissions and waste compared to traditional brazing methods, making it a greener choice for manufacturers.

5. Comprehensive Customization:

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

Applications

1. Automotive Industry:

Ideal for brazing components such as radiators, fuel tanks, and heat exchangers, ensuring strong and durable joints.

2. Aerospace Components:

Suitable for assembling critical aerospace parts, providing reliable connections that withstand high stress and temperature variations.

3. HVAC Systems:

Effective for brazing copper tubes and fittings in heating, ventilation, and air conditioning applications.

4. Electrical Components:



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AND LIFETIME SUPPORT!!!

Used in manufacturing electrical assemblies, ensuring secure connections for improved performance and reliability.

5. **General Fabrication:**

Versatile enough for use in various metal fabrication processes requiring high-quality joints.

Customization Options

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

- **Custom Power Ratings** to suit specific brazing needs
- **Enhanced Control Features** for specific materials and joint configurations
- **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.

Why Choose GROW CONTROL Resistance Brazing Machine?

- **Indigenous Expertise:** Tailored to meet Indian industry standards with local support for customization and maintenance.
- **Reliable and Consistent Performance:** Ensures precise and repeatable brazing 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



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“मे लोडो मे पोरणो”

Technical Specification

Model no.	GCRBT-7KVA	GCRBT-10KVA
Input	415V $\pm$ 10%, 2-ph, 50Hz	415V $\pm$ 10%, 2-ph, 50Hz
Output (KVA)	7	10
Scheme	Thyristor	Thyristor
Secondary Voltage	10V	10V
Secondary Current	700A	1000A
Power Control	Manual	



OUR CLIENTS



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