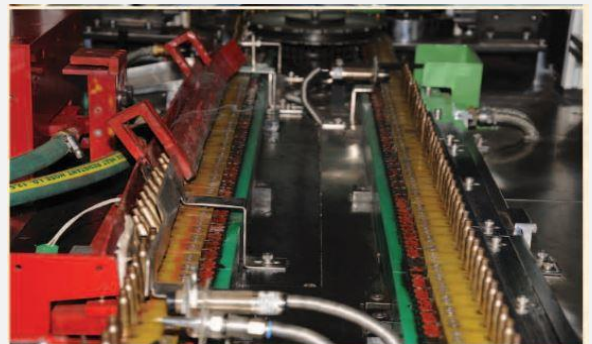


**GROW CONTROL
POWER TECH PVT. LTD.**

We Provide Solutions....

AN ISO 9001:2015 COMPANY



INDUCTION ANNEALING MACHINE

GROW CONTROL has developed complete reliable cartridge case annealing systems. These systems consists of component orientation hopper, component feeding system.

Component conveyor feeds components to induction annealing coil. Components are rotated while passing through induction coils to anneal cartridge uniformly. IGBT resonant inverter based induction inverter delivers stable High frequency heating power to the Induction coil.

PLC based supervisory control is having temperature monitoring system and data logging facilities which results in proper quality of components.

Our system is capable of processing more than 15000 components per hour.

Features

- IGBT based resonant induction inverter
- Highly efficient & reliable
- Complete system consisting of component feeding hopper, component orientation mechanism and conveyor
- Rejection of unprocessed components
- Component counter

Key Advantages

1. Indigenous Technology:

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

2. Versatile Applications:

Suitable for a wide range of annealing applications in metal fabrication and electronics sectors.

3. High Reliability:

Engineered for stability and accuracy, ensuring consistent performance in demanding operational environments.

4. Comprehensive Customization:



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We Provide Solutions....

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

Applications

1. **Metal Fabrication:**

Ideal for annealing steel, aluminum, and other metals to improve ductility and reduce hardness.

2. **Automotive Industry:**

Supports the heat treatment of automotive components, enhancing performance and longevity.

3. **Aerospace Components:**

Used for the annealing of critical aerospace materials to ensure optimal mechanical properties.

4. **Electronics Manufacturing:**

Suitable for annealing solder joints and other components to enhance reliability and performance.

5. **Tool Manufacturing:**

Effective in preparing tools by improving hardness and wear resistance through controlled annealing.

Customization Options

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

- **Custom Power Ratings** to suit specific annealing needs
- **Enhanced Control Features** for specific materials and heating 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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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 annealing 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.	GCIH603BA556	GCIH354TA762	GCIH603BA127
Input	415V±10%, 3-Ph, 50Hz		
Output (KW)	60	60	60
Power factor	0.9		
Power control	Manual & Auto		
Output power factor	Near unity with PLL frequency tuning		



OUR CLIENTS



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