

INDUCTION HEATING

Induction heating is a method of providing fast & consistent heating for manufacturing applications which involve bonding or changing properties of metal for electrically conducting materials.

Today's advanced design concepts warrant most engineering components to be heated to either form different shapes or attain specific grain structures.

Microtech's range of induction heating systems are offered for custom built applications with suitable coils, material handling solutions with complete automation

SALIENT FEATURES

- ✓ Selective Heating
- ✓ CAM operated rotary indexer for precise & positive location
- ✓ Spinning job hold ensures uniform heating
- ✓ Hydraulic mechanism for handling jobs
- ✓ Highest system efficiency
- ✓ Highly adaptable for automation
- ✓ Eco-friendly due to noiseless and flameless operation
- ✓ No statutory approvals required
- ✓ Lesser risk involved compared to conventional methods
- ✓ Application Specific
- ✓ Auto or manual mode operation
- ✓ Improved power factor.
- ✓ Tropicalised design
- ✓ Compact size.



HEATING APPLICATIONS

- ✓ Billet heating for forging
- ✓ Surface hardening of tools
- ✓ Hardening of gear, auto parts, bolts, cylinder bore & crank shaft
- ✓ Bar end heating
- ✓ Shrink fitting
- ✓ Tang forging of files
- ✓ Diamond dresser manufacturing
- ✓ Tube bending
- ✓ Gattering of vacuum tubes



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Some of the application related components

TECHNICAL SPECIFICATIONS

Power range	05 - 15 kW.	15 - 30 kW.	30 - 50 kW.	50 - 500 kW.
Frequency range	01 - 400 kHz.	05 - 30 kHz.	05 - 30 kHz.	03 - 30 kHz.
Adaptation to change load characteristics	YES	YES	YES	YES
Load sensed self tuning	YES	YES	YES	YES
Size	W - 620 mm	W - 620 mm	W - 620 mm	W - 1000 mm
	D - 700 mm	D - 700 mm	D - 750 mm	D - 850 mm
	H - 500 mm	H - 500 mm	H - 1380 mm	H - 1450 mm
Input Power Range	Single Phase	Three Phase	Three Phase	Three Phase
	230 V / 50 Hz.	440 V / 50 Hz.	440 V / 50 Hz.	440 V / 50 Hz.

In our endeavour to make better products, Microtech Induction Pvt. Ltd. reserves the right to change any specifications at any moment and without prior notice, to the models (including programming), their accessories and optionals.



MICROTECH INDUCTIONS PVT. LTD.

AN ISO 9001: 2000 COMPANY

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