

INDUCTION BRAZING

Brazing is joining of similar or dissimilar metal (parent materials) by using heat and braze material (filler material) whose melting temperature is normally above 450 °C and below the melting temperature of parent materials being joined.

Microtech induction brazing machines are made to replace conventional brazing methods, with more reliable/repeatable brazing without flame and smoke.

Brazing temperature can be controlled from 200 °C to 1250 °C for most of the brazing applications.

SALIENT FEATURES

- ✓ Uniform heating at desired area provides even flow of filler metal
- ✓ Lesser brazing cost comparing to conventional methods.
- ✓ Strong and ductile joints
- ✓ Suitable for dissimilar materials
- ✓ Controlled atmosphere brazing is possible
- ✓ 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.



BRAZING APPLICATIONS

- ✓ Copper parts for compressors
- ✓ Copper components of transformers
- ✓ Brass components
- ✓ Submersible pump rotors
- ✓ Ring cable lugs
- ✓ Aluminium component joints
- ✓ Soldering of brass components
- ✓ Steel component joints
- ✓ Brazing of storage water heater elements
- ✓ Diamond tipped cutting tool
- ✓ Carbide tipping of cutting tools
- ✓ Carbide tipping of drill bits



MICROTECH INDUCTIONS PVT. LTD.
AN ISO 9001: 2000 COMPANY

INDUCTION BRAZING



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 D - 700 mm H - 500 mm	W - 620 mm D - 700 mm H - 500 mm	W - 620 mm D - 750 mm H - 1380 mm	W - 1000 mm D - 850 mm H - 1450 mm
Input Power Range	Single Phase 230 V / 50 Hz.	Three Phase 440 V / 50 Hz.	Three Phase 440 V / 50 Hz.	Three Phase 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.



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