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.

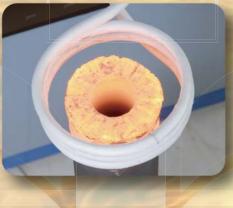
Microtech induction brazing machines are made to replace conventional brazing methods, with more reliable/repeatable brazing without flame and smoke.

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.









MICROTECH INDUCTIONS PVT. LTD.

AN ISO 9001: 2000 COMPANY

P 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

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	YES	YES	YES	YES
load charecteristics				
Load sensed	YES	YES	YES	YES
self tuning				
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

106 & 107, Nitin Industrial Complex, S. P. Marg, Ghartan Pada No. 1 Dahisar (E), Mumbai - 400 068.

Tel.: 2828 0303 / 04 / 05, 98204 49453 Fax: 2828 0305, E-mail: microtechinductions@mtnl.net.in

www.microtechinductions.com

