

# Induction Aluminium Brazing\_3

Hengxin Science and Technology Limited

Hengxin is experienced in Induction Heating Machine and Induction Heating Power Supply, induction heating equipments can be used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering induction melting and induction surface treatment applications  
<http://www.hengxinkeji.com>

Induction Brazing is joining of similar or dissimilar metal (parent materials) by using heat and braze material (filler material) whose melting temperature is normally above 500 C and below the melting temperature of parent materials being joined.

Induction Brazing temperature can be controlled from 500 C to 1800 C for most of the brazing applications.

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

Features:

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

Uniform heating at desired area provides even flow of filler metal

Lesser brazing cost comparing to conventional methods

Application Specific

Auto or manual mode operation

Improved power factor

Strong and ductile joints

Suitable for dissimilar materials

Tropicalised design

Compact size

Benefits

There are specific reasons to use induction heating for industrial brazing. These include selective heating, better joint quality, reduced oxidation and acid cleaning, faster heating cycles, more consistent results and suitability for large volume production.

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 components joints.

Brazing of storage water heater Elements.

Diamond tipped cutting tools.

Carbide tipping of cutting tools.

Optical Frame Brazing.

Fuel pipe Brazing.

Vacuum brazing of critical components.

Brazing stainless steel orthodontic parts.

Brazing of stainless steel to Brass.

Rocker Pins.

Hydraulic Hose.

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