

induction brass soldering

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>

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

Induction Brass brazing has been applied in various important fields such as the automotive, aviation, electrotechnical and white goods industries. It includes brazing of aluminum, brass, copper, copper alloys, iron and cast iron, steel and stainless steel.

There are many reasons why using induction heating instead of gas for brazing is clearly beneficial. Induction transfers more energy per square meter than an open flame, resulting in faster heating cycles—put simply, you produce more components per hour.

The heat is also easy to check and adjust. You reduce the risk of overheating, which can lead to higher porosity and weaker joints. What's more, you reduce the risk of cold brazing as induction generates the heat in the base material.

Just as important, induction heating improves the working environment and safety. No gas needed, no open flame, no additional heating.

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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