

FOCO Induction Unveils Rapid and Efficient Induction Brazing Copper to Brass Application for Precision Parts

FOCO Induction, a leading manufacturer of induction heating machines, has successfully demonstrated its innovative induction brazing copper to brass application.



Zhengzhou, Henan Apr 10, 2023 ([Issuewire.com](https://www.issuewire.com)) - FOCO Induction, a renowned Chinese induction heating machine manufacturer, has recently showcased its groundbreaking induction brazing copper to brass application, utilizing a 10 kW handheld induction brazing machine. The advanced technology is designed to provide rapid, precise, and efficient brazing, making it ideal for precision parts in industries such as HVAC, plumbing, and automotive.

The FOCO induction heating laboratory successfully completed tests for brazing copper pipes to brass fittings within 20 seconds, as per customer requirements. The 10 kW [portable handheld induction](#)

[brazing machine](#), equipped with an intelligent PLC control system and a built-in water cooling system, uses a UHF induction heating power supply for a more user-friendly brazing process.

The copper to brass brazing process involves the following steps:

- Installing the copper pipe and brass fittings together.
- Applying flux and filler on the copper pipe joint gap position.
- The operator holds the FOCO handheld induction brazing machine, aligns the coil with the joint, and starts heating.
- After 20 seconds of heating, the copper tube and brass components are securely joined, completing the induction brazing process.

Key benefits of FOCO's induction brazing copper to brass application include rapid heating, reduced oxidation, minimal deformation, precise heating time control, adjustable power for energy efficiency, and a repeatable process with straightforward operation.

FOCO Induction's breakthrough technology demonstrates the company's dedication to research and application of induction heating technology for over a decade. The organization has grown from producing basic high-frequency induction heating machines to becoming a comprehensive manufacturer in the industry, offering a full range of industrial heating equipment and solutions. Recently, FOCO Induction expanded its reach to Brazil to cater to a wider clientele.

Manufacturers and industry professionals interested in learning more about [FOCO Induction's](#) innovative induction brazing copper to brass application and its potential benefits are encouraged to contact the company for further information, demonstrations, and partnership opportunities.



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