

DRAGON 15 INDUCTION BRAZING ROBOT

15kW/50-150kHz



FEATURES

- Environmentally clean and safe process with no flames or toxic gasses
- Increased productivity, quality and repeatability
- Automated brazing with no operator required
- Programmable to braze multiple joints in complex assemblies
- Power on demand with rapid heat cycles

The robotic system is programmed to move to each joint and apply power for a preprogrammed amount of time to ensure a repeatable and reliable brazing process. An optional automatic wire feeding system can be provided to feed the brazing alloy instead of using brazing rings.

The system can be integrated to accommodate different production line speeds and multiple assemblies.

It can be used for brazing copper to copper, copper to steel, brass to copper and aluminum tubes. The Dragon 15 is ideal for flameless brazing of refrigerator compressors, heat exchangers, home appliance components and complex HVAC assemblies.



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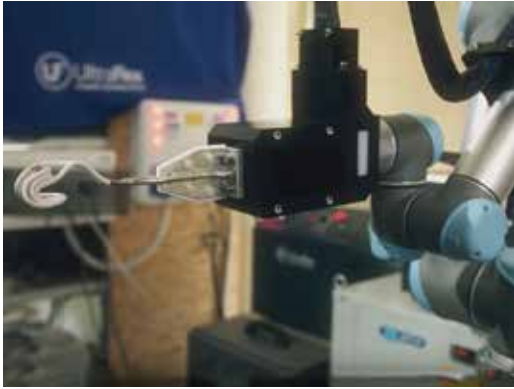


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FEATURED APPLICATION

Automated induction brazing of copper pipes in refrigerator assemblies



Dragon 15 integrates the Ultraflex W15 (15 kW) induction heating system with a Universal Robots cobot (UR 5) to achieve a fully automated brazing process. The system has been successfully used to replace the outdated and unsafe torch brazing widely used in the industry.

The integrated induction coil mounted directly onto the robotic arm is capable of reliably brazing multiple joints by applying controllable heat precisely positioned by the robotic arm.



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