

# ROBOBRAZE

5-15kW/30-200kHz

## EFFICIENT POWER FOR INDUCTION HEATING



### FEATURES

- Can be integrated with most industrial robots or any automated system
- Provides flexible and controllable power for a variety of heating and brazing applications
- Guaranteed repeatability and tight process control
- Optional cycle energy or temperature monitoring
- Multiple programmable steps of the process parameters (time, power, temperature)
- Can operate with wide range of heating coils for different part geometries
- Easily tuned to wide frequency range and can efficiently heat any metal

RoboBraz is a mobile induction heating and brazing unit that can be integrated with robotic arms, in automated production lines or for in-place brazing.

The RoboBraz unit has special induction heating terminals to mount various custom heating coils. It can be interfaced with PLCs or industrial robots via analog and digital signals or serial interface.

It can also be combined with a coil switching system to allow operating multiple systems with different coils.

The system also features:

Digital I/O Interface board – Remote Start/Stop.

Temperature monitoring & control with K type thermocouple

Temperature regulator for standard IR sensor input.

RoboBraz automation brazing units can operate with the following Ultraflex power source models:

SM5 (5kW), W10 (10kW) and W15 (15 kW)

### APPLICATIONS

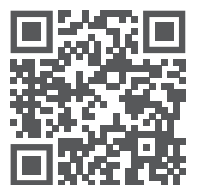
Brazing, Carbide Tipping, Shrink Fitting, Plastic Reflow

### HEADQUARTERS

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EFFICIENT POWER FOR  
INDUCTION HEATING

## FEATURED APPLICATION

Automated induction brazing of copper pipes in refrigerator assembly



## Power Supply Model

	SM5/200 OUPT-030-330	W10/150 OUFX-754-100	W10E/150 OUFX-754-300	W15/150 OUFX-754-300
<b>Output kW</b>	5 kW	10 kW	10 kW	15 kW
<b>Frequency kHz</b>	30 - 200	50 - 150	50 - 150	50 - 150
<b>AC Line Volts (50/60Hz)</b>	230±10%	230±10%	380/480±10%	380/480±10%
<b>Line Phases</b>	1	3	3	3
<b>Weight Lb (kg)</b>	28 (12.5)	66.1 (30)	84 (38)	84 (38)
<b>Dimensions</b> Inch (cm) WxDxH	14.5" x 9.5" x 12.8" (36.5 x 24 x 32.6)	20.5" x 15.7" x 15.7" (52 x 40 x 40)	20.5" x 15.7" x 15.7" (52 x 40 x 40)	20.5" x 15.7" x 15.7" (52 x 40 x 40)
<b>Compatible Heat Station</b>	HS-5W and U-Braze Robo-Braze 4	HS-15W and U-Braze Robo-Braze 4	HS-15W and U-Braze Robo-Braze 4	HS-15W and U-Braze RoboBraze 4

## Heat Station Model

	HS-5W 1ACC-030-150	HS-15W 1ACC-030-300	Robo-Braze 4, Automation unit 1ACC-754-461
<b>Dimensions</b> Inch (cm) WxDxH	7.1" x 9.3" x 6.5" (18 x 23.6 x 16.5)	12.6" x 18.6" x 10.2" (32 x 47.2 x 26)	12.5" x 9" x 4" (12.5 x 23 x 10)
<b>Weight Lb (kg)</b>	8.7 (4)	44 (20)	11 (5) with 6 ft. flex leads
<b>Cooling requirements</b> water system quoted upon request	water (external)	water (external)	water (external)
<b>Min. Cooling Water, GpM (LpM)</b>	0.5 (2.0)	0.79 (3)	0.79 (3)
<b>Inlet Water T° (max),F (°C)</b>	95°F (35°C)	95°F (35°C)	95°F (35°C)

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