

SOLO ROBOMBRAZE SYSTEM

12-24kW/32-320kHz

**EFFICIENT POWER FOR
INDUCTION HEATING**



FEATURES

- Precise power control from 0 to 100% of rated power
- Output regulation: Power, Current
- Parameters Monitored: Current, DC Volts, Output Volts, Output Power, Frequency, Temperature
- Industrial control panel – 5" LCD touch, full color
- Advanced and intuitive user interface
- Multiple heating programs and profiles for automatic process control
- 0-10V or 4-20mA external control and remote Start/Stop operation
- USB connectivity for firmware upgrades
- Automatic frequency scanning and load tuning
- Fast dynamic response and ramp-up time for short heating cycles
- Variable ratio transformer for matching to a wide range of loads and coils
- Built-in temperature control and monitoring features
- Data logging of process and operating parameters
- RS485 (MODBUS) serial interface for remote control and monitoring

RoboBraz is a compact induction heating and brazing unit that can integrate 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 interface with PLCs or industrial robots via analog and digital signals or via a serial interface.

APPLICATIONS

Brazing, Carbide Tipping, Shrink Fitting, Plastic Reflow

HEADQUARTERS

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FEATURED APPLICATION

Automated induction brazing of copper pipes in refrigerator assembly



SOLO RoboBraz Model

	12 kW	16 kW	24 kW
Induction System Specs	SOLO12	SOLO16	SOLO24
AC Line Volts (50/60Hz)	230-380 VAC $\pm 10\%$	380 – 480 VAC $\pm 10\%$	380 – 480 VAC $\pm 10\%$
Line Phases	3	3	3
Heat Station Model	HS-24B	HS-24B	HS-24B
HS Part Number	1ACC-540-100-02	1ACC-540-100-02	1ACC-540-100-02
Cooling requirements	water	water	water

Robo-Braze 4, Automation unit

Part Number	1ACC-754-461
Weight lb. (kg)	11 (5) with 6 ft. flex leads
Cooling requirements water system quoted upon request	water (external)
Min Cooling Water GpM (LpM)	0.79 (3)
Inlet Water T° (max)	95°F (35°C)

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