



## BENEFITS OF UBRAZE HANDHELD AND AUTOMATION BRAZING SYSTEM

- Improved safety through flameless heating
- Increased productivity
- Handheld brazing allows the operator to move to the part and access hard-to-reach areas
- Durable handheld assembly with low maintenance requirements
- Power on demand with rapid heat cycles

The UBraze Handheld and Automation Brazing System brings the power of induction to work pieces that you may not be able to access with a traditional fixed workhead.

UBraze is mobile induction heating solution that can be used as a hand-held unit or can be integrated with a robotic arm for automated production lines.

Durable assembly has easy-hold grip, and a handle at the top of the unit to maximize stability.

UBraze can also be coupled with a switching system to allow multiple handheld systems with different coils.

UBraze Handheld and Automation Brazing System operates with UltraHeat UPT-SM5 (5 kW), UPT-W10 (10 kW), UPT-W15 (15 kW).

## APPLICATIONS

Brazing, Carbide Tipping, Shrink Fitting, Plastic Reflow

### HEADQUARTERS:

158-2 Remington Blvd  
Ronkonkoma, New York 11779  
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### FEATURES

- UBraze handheld brazing system allows the operator to move to the part and access hard-to-reach areas
- Output regulation – Voltage, Power, Current
- Limits Setting – Current, DC Volts, Output Volts, Power, Frequency
- Capable of operating in a wide frequency range (30kHz – 200kHz); low and high Q factors
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils

#### Optional Equipment

	Description
Custom Coil	Custom Coil designed and manufactured for customer's application
Water Cooling System	<b>Water Cooling System</b> specified per customer's requirements

### SPECIFICATIONS

#### Power Supply Model

	SM5/200	W10/150	W10E/150	W15/150
<b>Output Power, kW</b>	5	10	10	15
<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) LxWxH	14.4" x 10.6" x 12.8" (36.5 x 27 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 Stations</b>	HS-5W and UBraze	HS-15W and UBraze	HS-15W and UBraze	HS-15W and UBraze

#### Heat Station Model

#### UBraze unit

	HS-5W	HS-15W	UBraze 2 Handheld unit	UBraze 3 Automation unit
<b>Dimensions, Inch</b> (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)	4.5" x 7.9" x 10.8" (11.4 x 20 x 27.2)	7.7" x 4.4" x 7.7" (19.5 x 11.3 x 19.5)
<b>Weight, Lb (kg)</b>	8.7 (4)	44 (20)	7.8 (3.5) with 6 ft. flex leads	7.1 (3.2) with 6 ft. flex leads
<b>Cooling requirements</b> water system quoted upon request	water (external)	water (external)	water (external)	water (external)
<b>Min. Cooling Water, GpM (LpM)</b>	0.5 (2.0)	1 (3.8)	1 (3.8)	1 (3.8)
<b>Inlet Water T° (max), °F (°C)</b>	95°F (35°C)	95°F (35°C)	95°F (35°C)	95°F (35°C)

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