

## Ultrasonic Welding



### *MWX100 Ultrasonic Welder*

The MWX100 metal welder is easily tooled for a wide range of non-ferrous metal welding applications.

Branson Ultrasonics Corporation is the world leader in ultrasonic metal joining. We have partnered with industries in many markets including, photovoltaic, medical, automotive, battery, refrigeration, electrical and appliance. Our many years of experience have given us a broad base of applications knowledge.

Ultrasonic metal welding provides our customers with a sound solution, superior performance, improved throughput, and reduced maintenance.

Branson welding systems are designed and built to ensure the highest degree of reliability and weld quality.

Our newest system, the MWX100 ultrasonic welder is rugged and easily tooled for a wide range of nonferrous metal welding

applications in both 30, 40 and 60 kHz. It is ideal for precise welding of smaller gauge nonferrous metals, delicate assemblies such as batteries, photovoltaic cells, automotive air bag systems, capacitors, and other critical components.

#### **Features**

The MWX100 offers the following features:

- Precision crossed-roller bearing slides to assure smooth operation and extreme accuracy
- Versatile frame available for table, gantry/overhead, or surface mount
- System can quickly be configured to adapt to various applications including spot and seam welding
- Precise adjustments for accurate setting of both upper and lower positive stops
- Conveniently located flow controls offering easy adjustment of head speed in both directions

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- A polar mounted ultrasonic stack to facilitate setup and efficient transmission of ultrasonic energy to the horn
- Titanium horns with low cost replaceable tips, or solid tool steel horns, for fast setup and minimum tooling cost
- Increased head travel for ease of part loading and unloading The MWX100 offers manufacturers the highest reliability at the lowest cost per weld. Weld quality is monitored throughout the process by adjustable windows for time, power, pre-height and final height. Production cycles can be documented by downloading to a computer providing 100% process control.

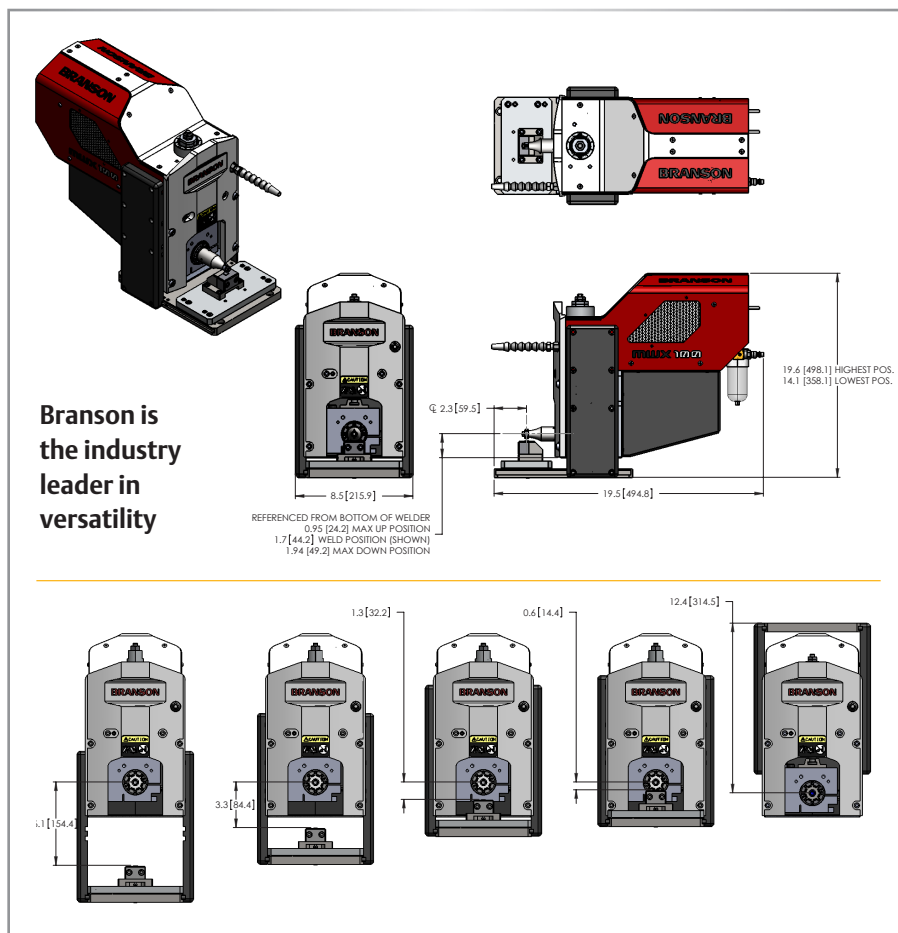
## Additional Options

### Mechanical:

- Vortex cooling - for high speed production
- Nodal mount
- Keyed tooling
- Single board computer VersaGraphic controller
  - 15" touch screen monitor
  - Three USB ports
  - RS 232
  - Ethernet
  - Daily history log

- Bar code scanner (available with either controller) Contact us today and let us show you how Branson

can provide high-quality parts for you with the latest in ultrasonic metal welding technologies.



**Branson is the industry leader in versatility**

## Specifications

Model	Width	Height	Length
<b>Gantry</b>	8.5" (215mm)	14.3" (363mm)	17.0" (432mm)
<b>Table Top</b>	8.5" (216mm)	20.7" (526mm)	18.3" (465mm)
<b>Surface Mount</b>	7.8" (185mm)	13.3" (338mm)	17.0" (432mm)

# BRANSON

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ISO 9001:2000 and ISO 14001 Certified