

# Branson™ GMX-W1 Ultrasonic Wire Splicer

Branson™ GMX-W1 joins wires reliably and quickly while providing maximum flexibility. GMX-W1 is an ergonomic wire splicing system that can splice wires in-line, or in a pig-tail configuration. Lightweight and compact design, GMX-W1 is ideal for use as a portable unit on wire harness in-line assembly boards.

## Key Features

- 22" capacitive touchscreen for fast response time
- User-friendly HMI
  - User-friendly intuitive interface
  - Optimized production capability for splicing, sequencing and harness boards
  - Multiple user level and access management
  - Traceability for statistical evaluation and log file
- Ergonomic design - allows ease of use and flexibility for different applications
- LED color status indicator for real time monitoring of machine status and splice quality
- Illuminated weld area facilitates part loading
- Capable of splicing wires with cross section up to 40 mm<sup>2</sup>
- Suitable for splicing wires with cross section of 0.13 mm<sup>2</sup>



## Other Features

- **Automatic calibration** allows quick, easy self-calibration on start-up
- **Network connectivity**
  - Interface to MES (Manufacturing Execution System) directly or via third party suppliers
  - KSK network compatibility
  - Interfaces with shrink tube equipment (Raychem) for data exchange and control
- **CE and FCC certifications** - Worldwide conformity

For more information:  
[www.Emerson.com/Branson](http://www.Emerson.com/Branson)

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## Options

- In-line wire cutting module
- Bar code scanner
- Work table
- Cradle for in-line splicing

SPECIFICATIONS	
Frequency	20kHz
Output power	4,000 W
Power supply	200~230V, single phase, 25A max
Pneumatic	5.5 bar (80psi) clean, dry air
Actuator weight	22kg

## Applications and Industries\*

Ultrasonic wire splicing technology is widely used in the automotive, machinery, recreation, home appliance, and other industries where reliable and efficient electrical connections are required. Splicing ultrasonically results in a superior electrical metalurgical bond over crimping,

soldering or resistance welding. Ultrasonics offer savings in power consumption, elimination of consumables, and longer tool life. Typical applications are splicing and solidification of the ends of stranded copper wires.

\*This product is designed for copper wire splicing applications. Although other materials may be possible, customers are responsible for testing and qualifying additional materials.

