Whatever the volume or scope of your manufacturing operations, talk to PLASQUIP SALES today about a **Ultrasonic Welding** solution that will not only meet but also exceed your requirements. Tell us what you are looking for, and we can provide personal consultation through our vast experience with this technology to provide a comprehensive and tailored solution to your specific applications.

PLASQUIP entered the world of **Ultrasonic Welding** through its long association with the Plastics, Display, and Signage Industries here in Australia and New Zealand.

As you browse through this brochure, you will see our range of standard **Plastic and Metal Welding Machines**, but don’t think you need to limit yourself to this – we can provide bespoke solutions to your specific requirements including accessories.

We look forward to providing consultation to provide the best **Ultrasonic Welding** solution for your specific requirements.
Digital Advance Ultrasonic Plastic Welding Machine

Specifications
- Swiss DHG digital ultrasonic generator
- 7 inch colourful touch screen Chinese/English operation
- Automatically search ultrasonic frequency and 50%-100% amplitude adjustment
- Time welding mode
- Constant (Relative and Absolute position) welding mode
- Constant energy welding mode
- Constant power welding mode
- Welding quality control
- Ultrasonic parameter data management, each data can be saved with USB flash drive
- Nodal support booster made of hard Ti-Aluminum alloy
- Postpone start option
- Shake function
- Rectangular machinery pillar. Strong and precise
- Periodic amplitude control and periodic welding pressure (option)

BSG Plastic Welding Machine

Specifications
- Chinese/English touch screen interface operation
- Track ultrasonic frequency automatically
- Time welding mode
- Constant energy welding mode
- Constant power welding mode
- Welding quality control
- Welding data management/storage
- Constant distance (Relative and Absolute position) welding mode
- Nodal support booster made of hard Ti-Aluminum alloy
SBW Plastic Welding Machine

Specifications
- LED ultrasonic frequency display
- LED ultrasonic loading display
- Time welding mode
- Posit amplitude to protect the circuit
- Welding deep position device
- New digital anti-interference time control circuit
- 100mm strong machine body demonstrates the best machine structure
- Big press with multiple functions

NBW Plastic Welding Machine

Specifications
- Time welding mode
- Posit amplitude to protect the circuit
- Welding deep position device
- New digital anti-interference time control circuit
- 100mm strong machine body demonstrates the best machine structure
- 110mm Large press with multiple functions

Optional Device
Hand Gun Plastic Welding Machine

Specifications
- Hand gun welding handle
- New digital anti-interference time control circuit
- The newest ON BOARD modulize avoid interference ultrasonic generator
- The economic and the best function ECO series

Application
- Automobile bumper riveting
- Single point screw inserting
- Single welding
- Packing strapping welding

CPC Small Welding Device

Specifications
- Precise small point welding
- ECO Modulize designed application
- Suitable for installing the ultrasonic welding Machine in a very small space

Can be installed flexibly in limited space.
# Vibration Plastic Welding Machines

## BVW-10/BVW-IOH

**Vibration Plastic Welding Machine**

### Specifications
- Advanced appearance designed. Increase the size of front opening in order make the weld components taking and putting easily.
- HiMI make the operation condition more convenience.
- Lift hydraulic pressure/hold system.
- Noise level < 85dBA (the average)
- The more power, the more weight of actuator range
- Weld depth control
- Fore step weld control
- Suitable for any brands position hold of tooling fixture

<table>
<thead>
<tr>
<th>Weight</th>
<th>Approx 3400kg</th>
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<table>
<thead>
<tr>
<th>Dimensions</th>
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<tbody>
<tr>
<td>Overall</td>
<td>2438 wide x 1930 high x 1092 deep (mm)</td>
</tr>
<tr>
<td>Lift table</td>
<td>1219 long x 558 wide (mm)</td>
</tr>
<tr>
<td>Drive plate</td>
<td>958 long x 375 wide (mm)</td>
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<tr>
<td>Front window</td>
<td>1245 wide x 597 high (mm)</td>
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<tr>
<td>Central hole on working table</td>
<td>668 long x 250 wide x 175 deep (mm)</td>
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<tr>
<td>Central hole on vibrator</td>
<td>958 long x 375 wide (mm)</td>
</tr>
<tr>
<td>Variable stroke</td>
<td>508 Max(mm)</td>
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<tr>
<td>Maximum clamp force</td>
<td>22.2KN (5000 LB)</td>
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<tr>
<td>Noise level</td>
<td>&lt; 85dBA (the average)</td>
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<tr>
<td>Amplitude range</td>
<td>0~1.8 mm</td>
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<tr>
<td>Power of vibrator</td>
<td>7.4 (10HP)</td>
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<table>
<thead>
<tr>
<th>Electrical Specifications</th>
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</thead>
<tbody>
<tr>
<td>Output frequency</td>
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<tr>
<td>Controller</td>
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<tr>
<td>Power requirements</td>
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<table>
<thead>
<tr>
<th>Performance Specifications</th>
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<tbody>
<tr>
<td>Drive plate fixture weight capacity</td>
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<tr>
<td>Single cycle time</td>
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<tr>
<td>Life table speed</td>
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</table>
Digital Ultrasonic Plastic Welding Parallel Machine

Specifications

- Postpone start option
- Constant energy welding mode
- Rectangular machinery pillar, strong precise track
- Automatically search ultrasonic frequency and 50%-100% amplitude adjustment
- 7 inch colourful touch screen Chinese/English operation surface
- Automatically search ultrasonic frequency and 50%-100% amplitude adjustment

Quick posit fixture with quick changing ultrasonic system Quick changing tooling to increase working efficiency

Precise lift gear wheel box

Using precise horizontal movement monitor to reach accurate working position
Ultrasonic Metal Welding Machines

Ultrasonic Metal Welding Machine

Specifications
- Chinese / English touch screen operation
- Ultrasonic frequency automatic track
- Time welding mode
- Constant distance (Relative and Absolute position) welding mode
- Constant energy welding mode
- Constant power welding mode
- Welding quality control
- Welding data management/storage
- Nodal support booster made of Ti-Aluminum alloy

- Nodal support device, avoid horns face backward to achieve total welding. The energy won’t lose easily during welding, the transmittal is better

BSGM-2020 Horn support pillar
BSGM-3512 Horn support base
Titanium Booster

Whole models use nodal booster, have more stable transmittal efficiency than traditional booster. Not only decrease the products are damaged by the horn problems because of the poor transmittal with booster, but also extend the life time with converter and horn.

Horn

Horns are the most important part in ultrasonic welding Bensonic not only have more than 20 years experienced manufacture team, but also import the newest horn digital simulation analysis software. It is a top tool that apply on ultrasonic, the technique can reach European and American companies It lets the most important technique, vibration system and horn have the most ideal design Using with mother-son horn, parallel, the ultrasonic can perform perfectly.
Special Dedicated Welding Machines

Plastic Laminate Tube Auto Filling & Ultrasonic Sealing Machine
BUFSAK-2025P
High frequency welding machine and side vibrate welding machine are optional

Suitable for auto & motorcycle Filter and roundwork pieces

Ultrasonic Lace Machine
MJ-802
- Distance adjustable for upper and lower plate.
- Quick changing tooling
- HMI can be powerful controlled

Ultrasonic Welding Units for Plastics

Sonoscreen

Laser Welding Technology for Plastics

Ultrasonic Metal Welding Machine

Ultrasonic Reactor
(For Emulsifying, Dispersing & Suspending)