

## 『 Ultrasonic Welder for metal 』



**Functions:**

1, **High Stability:** full digital integrated circuit, using high-performance anti-interference processor imported from the United States, while reducing the number of components, simplify the hardware structure, and increase the voltage regulator function to improve the reliability and stability of the system.

2, **Automatic frequency tracking:** digital frequency synthesis technology combined with digital phase-locked loop frequency tracking composite control technology, can eliminate the temperature, static load, processing area, tool wear and other factors drift the conventional analog regulator, which is difficult to overcome the shortcomings, is conducive to parameter adjustment, easy to modify the program software, easy to adjust the control scheme and realize a variety of new control strategies.

3, **Strong output:** the use of IGBT power module and his excited oscillation circuit structure, so that the output power is 1.5 times more than the traditional self-excited circuit.

4, **Amplitude stepless adjustment:** amplitude can be adjusted in the process of instantaneous increase or decrease, can also be fine-tuned, effectively prevent the size of the glue can be perfect welding, effectively reduce the impact of wear, scald, with defective product monitoring function, more suitable for automatic matching, amplitude setting range of 10%~100%.

5, **Intelligent protection and fault alarm:** mold current too high protection, frequency offset protection, total output too large protection. If the equipment fails, the generator will stop working immediately, and make the corresponding fault cause prompt, until the technical personnel troubleshoot the fault.

6, The amplitude of the intelligent closed loop amplitude control technology to achieve amplitude regulation, not affected by the fluctuation of the input power supply voltage and load to maintain a constant amplitude output.

7, **A variety of welding mode switching,** so that the welding accuracy is higher, wider range of application, welding effect is better.

**Specification:**

Type	USTW-BJWM2000
Power	2000W
Frequency	20khz
Welding Area	0.35-18mm <sup>2</sup>
Working Air Pressure	0.05-0.7mpa
Working voltage	220v
Weight	48kg