

Σ 1000M Ultrasonic Metal Welding Series



***Full range of modular design**

***High-strength rigid structure**

***Digital ultrasonic generator**

***Maximum pressure 1000N**

The Ultrasonic Metal Welding Machine Σ1000M Series is a complete ultrasonic welding device that integrates ultrasonic digital generators and controllers with ultrasonic welding presses. The Σ1000M series has a variety of welding modes to meet customers' more stringent welding requirements.

Advanced Control Machine

- *4.3 inch color touch screen.
- *Chinese and English use interface.
- *Germany designed digital ultrasonic generator, which can accurately adjust and stabilize various parameters, can safely protect the control box.
- *Electronic pressure measuring device.
- *Precision electronic ruler for welding depth control with accuracy of $\pm 0.01\text{mm}$.
- *4 different trigger modes.
- *5 different welding modes (time, energy, maximum power, relative position, absolute position welding mode).
- *Welding parameter data storage.
- *Ultrasonic amplitude adjustment 50%-100%.
- *Ultrasonic frequency automatic tracking.
- *Quality management function.
- *Printer output function (optional).

Technical Parameters

$\Sigma 1000\text{M}$	35Khz	40Khz
Power	1000W	800W
Pressure	1000N	1000N
Power Input	1000W/5A AC 220V $\pm 10\%$ 50/60Hz	800W/5A AC 220V $\pm 10\%$ 50/60Hz
Electric Box Size	420mm \times 211mm \times 185mm	420mm \times 211mm \times 185mm
Electric Box Weight	10KG	10KG
Machine Size	699mm \times 452mm \times 530.5mm	699mm \times 452mm \times 530.5mm
Machine Weight	45KG	45KG