

YN-P203-F P-Series Precision Ultrasonic Welding Machine

3000W 20KHz Suitable for Precision Electronics and Sensor Welding



YN-P203-F

Product Overview

Specifications

Parameter	Specification
Input Voltage	220V
Operating Frequency	20KHz
Rated Power	3000W (Optional 2000W/4000W)
Welding Area	1-100mm ²
Device Dimensions	565×269×442mm
Device Weight	73KG

Product Features

- **High-Precision Welding** : Utilizes 20KHz high-frequency output with stable and controllable welding energy, ideal for secure connections of micro terminals, sensors, and other precision electronic components.
- **Scalable Power** : Standard configuration of 3000W, with optional 2000W/4000W solutions, flexibly meeting different workpiece welding needs with high cost performance.
- **Robust and Durable** : The whole machine weighs 73KG, with a stable structure, low failure rate during long-term operation, ensuring production continuity.
- **Easy Operation** : Equipped with a touch interface and intelligent parameter storage function, allowing quick switching of welding programs to improve work efficiency.

Applications

• New Energy Lithium Battery Production Line

Power battery tab welding, module busbar welding, energy storage battery pack assembly, weld resistance $\leq 100\mu\Omega$, with extensive experience in daily production line integration.

• Automotive Wiring Harnesses and Connectors

High-voltage harness terminals, motor lead wires, IGBT module welding, replacing traditional crimping, reducing contact resistance by over 60%.

• Copper-Aluminum Transition Welding

Direct solid-state connection of copper-aluminum dissimilar metals without transition pieces, widely used in charging piles and power electrical industries.

• Precision Electronic Components

Micro terminal and sensor pin welding, with minimal heat-affected zone, suitable for medical electronics and instrumentation.

Certifications

CB	3C	CQC	UL	FCC	CE	GS	UKCA
SAA	RCM	PSE	KC	KCC	NOM	BIS	BSMI