

YN-X204-Z 4000W Medium Ultrasonic Metal Welder, X-Series, for Lithium Battery PACK Harness Copper-Aluminum Terminal Welding

YN-X204-Z



Product Overview

Specifications

Parameter	Specification
Input Voltage	220V
Operating Frequency	20KHz
Output Power	4000W
Welding Area	1-30mm ²
Dimensions	1020×610×1200mm
Net Weight	132KG

Product Features

- High Power Output : 4000W high-power design significantly improves welding efficiency, meeting medium power demand scenarios.
- Wide Welding Range : Welding area covers 1-30mm², suitable for various wire diameters and copper/aluminum terminals, flexibly adapting to different specifications.
- Digital Control : Welding parameters are precisely adjustable, ensuring stable and consistent welding quality and reducing operational errors.
- Robust and Durable Structure : Suitable for long-term continuous operation in industrial environments, reducing maintenance frequency and extending equipment lifespan.
- Simple Operation Interface : Easy to learn, reducing training costs and improving production line switching efficiency.

Applications

• New Energy Lithium Battery Production Lines

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

• Automotive Wire Harnesses and Connectors

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

• Copper-Aluminum Transition Welding

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

• Precision Electronic Components

Micro terminal and sensor pin welding, with a 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