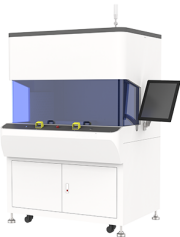


YN-D208-G High-Power
Ultrasonic Metal Welding
Machine 8000W 20-70mm² Large
Wire Harness Copper/Aluminum
Busbar Welding

YN-D208-G



Product Overview

Specifications

Parameter	Specification
Input Voltage	380V
Operating Frequency	20KHz
Output Power	8000W
Welding Area	20-70mm ²
Equipment Weight	957KG
Dimensions	1750×1050×2150mm
Applicable Materials	Copper, aluminum, and copper-aluminum busbars
Working Environment	Adapts to harsh industrial environments, supports 24-hour continuous operation

Product Features

- **High Power Output** : Driven by 8000W high power, easily welds large-area conductors of 20-70mm², specifically designed for heavy-duty wire harnesses and copper-aluminum busbars, meeting large cross-section metal connection needs.
- **Precision Digital Control** : Utilizes digital frequency tracking and amplitude adjustment technology to ensure extremely high welding consistency each time, effectively reducing spatter and improving yield rate.
- **Robust and Durable Structure** : The entire machine weighs 957KG, with strong structural rigidity and excellent long-term operational stability, capable of adapting to harsh industrial environments such as vibration and dust.
- **Efficient Heat Dissipation System** : Combines optimized airflow design with industrial-grade heat sinks, supporting 24-hour continuous high-intensity operation, ensuring stable long-term equipment performance.
- **Wide Range of Applications** : Covers automotive high-voltage wire harnesses, new energy power cables, power distribution cabinet busbars, and IGBT module power device lead welding, offering multi-purpose use.

Applications

- **New Energy Lithium Battery Production Line**
ne Power battery tab welding, module busbar welding, energy storage battery pack assembly, weld resistance ≤100μΩ, extensive experience in daily production line integration.
- **Automotive Wire Harnesses and Connectors**
rs High-voltage wire harness terminals, motor lead wires, IGBT module welding, replacing traditional crimping, reducing contact resistance by over 60%.
- **Copper-Aluminum Transition Welding**
ng Direct solid-state welding of copper-aluminum dissimilar metals without transition pieces, widely used in charging stations and the electrical power industry.
- **Precision Electronic Components**
ts 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