



SPECIFICATION

WUXI HAIFEI INTELLIGENT EQUIPMENT CO. LTD

DB200H

200KVA Silver Contact Spot Welding Machine



Disclaimer: Product images are for reference only. Actual products may vary due to continuous design improvements. The delivered unit shall be the final standard.



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PRODUCT OVERVIEW

The DB200H is a civilian medium-frequency inverter DC projection spot welding machine, designed for reliable welding of metal parts. It is especially suitable for silver and copper contacts used in household electrical appliances. With three-phase AC input and 1000 Hz medium-frequency inverter DC output, the welder precisely controls welding current and time to deliver consistent, high-quality welds. The rigid machine body resists vibration and impact, preventing electrode head slippage during pressurization and ensuring stable welding performance.

APPLICATION

Mainly used for welding silver contacts and copper contacts of civilian electrical appliances. Non-military / non-sensitive application.





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1. TECHNICAL SPECIFICATIONS

Parameter	Specification
Equipment Name	Spot Welding Machine
Model	DB200H
Rated Duty Cycle	20%
Transformer Capacity	240 KVA
Cylinder Bore / Stroke	200 mm / 110 mm
Max. Working Pressure	15,000 N
Max. Primary Current	250 A
Current Adjustment Range	0% ~ 99%
Transformer Insulation Class	Class F
Max. Secondary Short-Circuit Current	58 KA
Lower Electrode Arm Deflection	< 0.1 mm (at max. cylinder pressure)

2. WELDING CONTROL FUNCTIONS

1. Output Frequency: 1000 Hz
2. Up to 64 sets of welding specifications programmable
3. Three-stage heating process: Preheat, Weld, Temper; the weld segment supports user-defined incremental and decremental segments
4. Programmable pressure control, up to 10 pressure segments definable (Optional)
5. Programmable I/O ports: 3-stage programmable output for better adaptation with PLC and robots
6. Weld spot counting function

3. PROTECTION FUNCTIONS

- Abnormal water flow alarm and automatic shutdown
- Abnormal current alarm and automatic shutdown
- Abnormal pressure alarm and automatic shutdown

4. INTELLIGENT FUNCTIONS

- Industrial Ethernet compatible
- Production data (pressure, current, time, etc.) stored in database, readable, traceable, and compatible with MES system integration

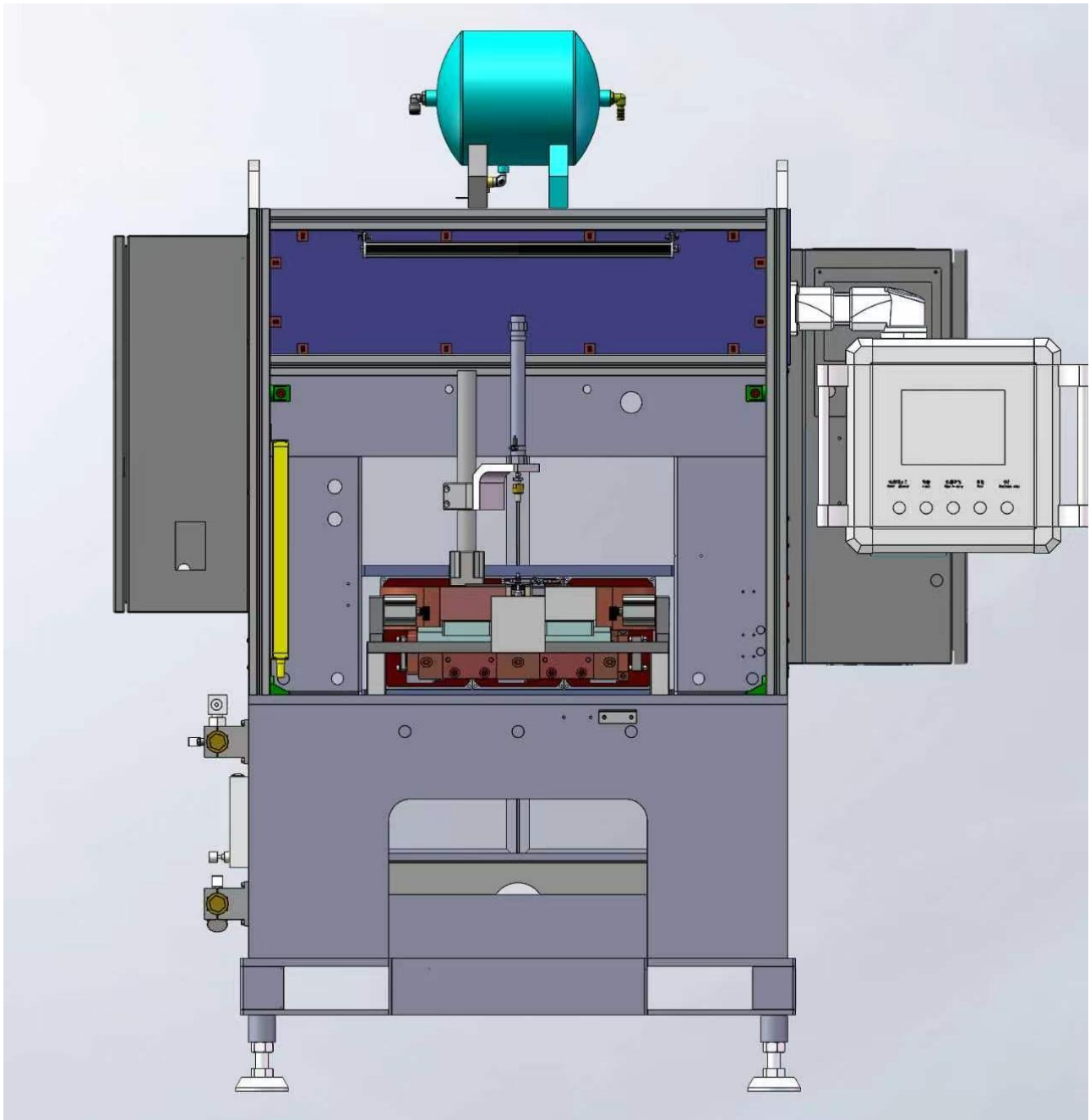
5. KEY FEATURES SUMMARY

- Medium-frequency inverter DC output at 1000 Hz for stable, reliable welding
- High power output: max. secondary short-circuit current up to 58 KA
- Precision control: 64 sets of welding specs, 3-stage heating with incremental/decremental control
- Flexible programming: programmable pressure and I/O for seamless PLC/robot integration
- Comprehensive protection: multi-layer safety system monitoring water flow, current, and pressure
- Data traceability: built-in database storage, MES-compatible



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