



MEGMEET DEX 2 500MQ MIG Welding Machine 3PH/415V

Description

- Optimal welding programs in LSA (low-spatter-arc welding realized by software algorithm), quick pulse, high-speed weld and others. Be weldable in multiple materials: carbon steel, stainless steel, aluminum alloy, and others;
- “Chopper” control technology is applied in software to precisely control droplets, and reduce spatter by more than 50%;
- Unique quick pulse process integrates advantages of pulse and DC short circuit, and welding speed is increased by more than 20% compared with conventional pulse welding;
- Wider voltage range, high current and low voltage, lower heat input, higher fusion efficiency, thin plate welding is comparable to TAP-TYPE machine;
- Adaptive arc-start retraction technology increases arc start success rate to almost 100%;
- Inverter frequency up to 110KHz enables higher control precision and more stable arc;
- Comprehensive communication interfaces are able to communicate with different brands of robots;
- Built-in touch sensing function with 80-400 voltage is easier to break down the rust on the surface of workpiece;
- Acting national standard of first-level energy efficiency;
- IOT interface is reserved to connect with Megmeet SMARC cloud system?
- U-disk upgrade function ensures customers to easily obtain Megmeet’s most cutting-edge welding technology?
- Application industries: engineering machinery, steel structures, special vehicles, auto parts, two/tricycles, containers, petroleum and petrochemical industries, etc.

Specification

Model	DEX 2 500MQ
Control Mode	Digital IGBT Control
Input Voltage	AC 3PH 380v ($\pm 25\%$)
Input Frequency	0 ~ 70Hz
Rated Input Capacity	23.3KVA / 21.4KW
Power Factor	0.92
Efficiency	91%@500A
No Load Voltage	77V
Rated Output Current	500A
Rated Output Voltage	39V
Duty Cycle	100% @500A
Inverter Switching Frequency	110 kHz
Welding Feeding Speed	0.5~28m/min
Parameter JOB	50
Operating Temperature	-10°C ~ +40°C (welding power source can be started at -39°C)
Insulation Grade	H
Enclosure Rating	IP23S
Welding Process	LSA, DC, Standard Pulse, Quick Pulse, Flux Core Carbon Steel/DC, Carbon Steel, Stainless Steel, Aluminium Alloy
Material	Carbon Steel, Stainless Steel, Aluminium
Gross Weight (kg)	37
Dimension (mm)	647 x 291 x 572

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Industrial Application	Automotive & Railway, Construction & Mining Machinery, Ship-building & Marine Engineering, Heavy Steel Construction, Shipping Container
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