

INVERTER DRAWN ARC STUD WELDING MACHINE i12

The compact i12 is a lightweight digital portable inverter drawn arc stud welder, capable of welding studs in the **M3 to M8** range.

FEATURES & ADVANTAGES

- Light weight.
- Weld current and weld time can be set.
- Reduction in input KVA of machine.
- Constant current power source ensures consistent weld quality.
- Smart digital display provides easy viewing of parameters.
- Faster arc response because of inverter technology makes it more reliable and repeatable.
- Excellent performance on coated sheets.



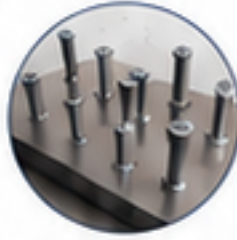
GAP TYPE
STUD WELDING GUN



APPLICATIONS



Tank & Vessel



Sheet Metal
Fabrication



HVAC Ducting



Electrical
Enclosures



General
Fabrication

STRONG WELDS. NO SECONDARY OPERATIONS.



Inverter drawn arc stud welding is a highly efficient method of attaching fasteners to mild steel and stainless steel using a constant-current DC power supply. The welding process uses an inverter which serves as an energy source and provides continuous welding current. The welding time can be adjusted from 10 to 400 milliseconds.

Inverter drawn arc stud welding quickly joins a base metal to a stud/fastener via a controlled electric arc process, which melts the end of the fastener to join it to the base metal.

Materials for stud welds and base metals that can be joined with inverter drawn arc stud welding include: **Stainless Steel** | **Galvanized Steel**

TECHNICAL SPECIFICATIONS

Model	i12 (M8)
Stud welding range	M3 to M8
Welding current	800 Amps Max
Welding time	10 to 400 ms
Power	415V 3 Phase 50Hz
Welding cable	3 Metre
Welding material	Mild Steel, Stainless Steel
Welding gun	Gap Type
Display	LCD Graphic
Self diagnosis	Over Heat, Input Error & Internal Fault
Control logic	Microcontroller Based

DRAWN ARC WELDING ADVANTAGES



SUPERIOR QUALITY

Better weld strength. Vibration-proof and resistant to breaking, loosening or weakening.



BETTER PRODUCTIVITY

Easy to weld, faster welding for fasteners. Less time, more output. Access required from only one side.



COST EFFECTIVE OPERATIONS

Savings in relatively complex fabrication. Simple welding of studs saves time & cost.



PASSWORD
PROTECTION



ALPHA-NUMERIC
TEXT DISPLAY



FINE ADJUSTMENT
OF WELD TIME



WELD
COUNTER



PROTECTION AGAINST
OVERLOADING OF MACHINE