

INVERTER DRAWN ARC STUD WELDING MACHINE i16

The Compact i16 is Lightweight Digital Portable Inverter Drawn Arc Stud Welder & Capable Welding From **M3 To M16 Studs**.

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.



APPLICATIONS



Tank & Vessel


Sheet Metal
Fabrication

HVAC
Ducting

Automotive
Industry

Electrical
Enclosures

Wire Mesh &
Fencing

TECHNICAL SPECIFICATIONS

i16

	Stud welding range	M3 to M16
	Welding current	1200 Amps Max
	Welding time	10 to 600 ms
	Power	415v 3 Phase 50Hz
	Welding Cable	5 Metre
	Welding Material	Mild steel, Stainless steel
	Welding Gun	Gap type
	Display	LCD Graphic
	Self Diagnosis	Over hear, Input error and Internal fault
	Control Logic	Microcontroller based

FEATURES

- ✓ Password Protection
- ✓ Alpha-numeric text display
- ✓ Fine adjustment of weld time
- ✓ Protection against overloading of machine

Strong Welds. No Secondary Operations.

Inverter Drawn arc studwelding is a highly efficient method of attaching fasteners primarily to mild steel and stainless steel by utilizing a constant current DC power supply. The welding process uses a welding 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. The welding is performed 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:

STEEL | STAINLESS STEEL

ADVANTAGES OF DRAWN ARC WELDING



SUPERIOR QUALITY
Better weld strength, vibration-proof & resistant to breaking, loosening or weakening.



BETTER PRODUCTIVITY
Easy to weld, faster welding for fasteners. Less time, more output.



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