

# Arc Stud Welding

## INVERTER STUD WELDER 1000 AMPS

### FEATURES AND BENEFITS

Provides a superior chopping frequency of 20,000 Hz – 10 times that of a typical unit – to provide an exceptionally smooth arc

Better regulation and superior overall performance welding capabilities

Rugged design and dependable technology ensure consistency in even the most demanding applications

Inverter arc control technology for superior performance

User-friendly control interface with large, easy-to-read LED meters

Performs four 5/8" studs per minute, and permits welding of studs 1/8" to 5/8" in diameter using 50' of extension cable

Standard 4-pin receptacle for simple connection of application gun

Amperage range of 50-1000 amps



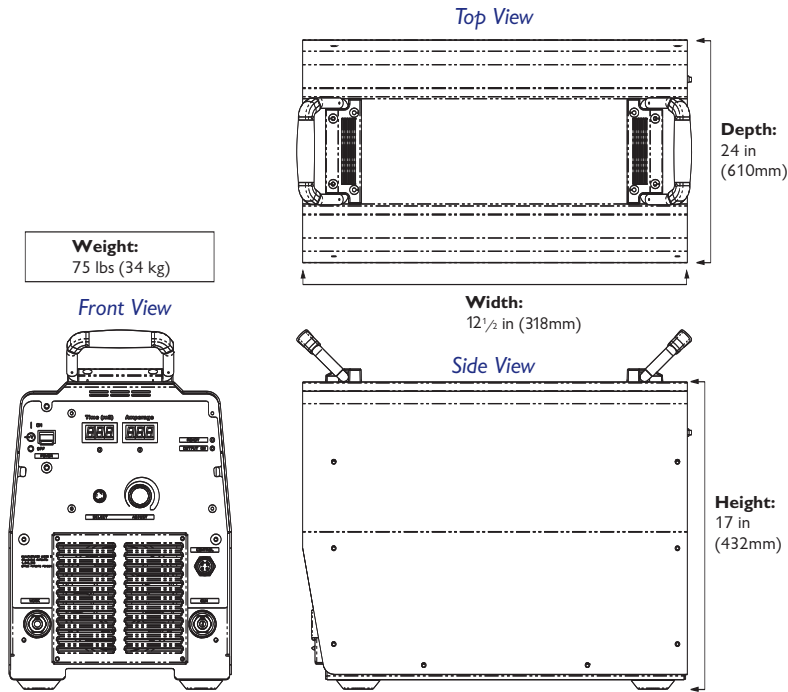
Dependable, rugged and accurate, the Inverter Stud Welder 1000 Amps (ISW1000) from Image provides the best welding arc in its class. An innovative design makes the ISW1000 ideal for a wide range of applications, and the unit includes many features for the arc stud welding professional.

Inverter technology provides exceptionally smooth arc delivery – much smoother than traditional transformer/rectifier power sources. Other benefits of inverter technology include dramatically reduced size and weight. The ISW1000 weighs only 75 lbs (34 kg) and measures 17" x 12 1/2" x 24", making it one of the most powerful yet lightweight welders in the marketplace.

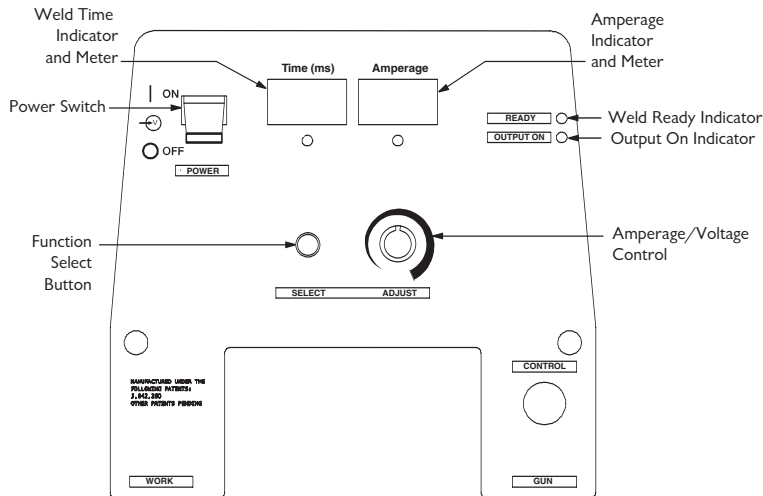
The ISW1000 has undergone exhaustive environmental and stress testing, welding millions of cycles in the harshest conditions to ensure you get a rugged, reliable, long-lasting arc stud welder.

# INVERTER STUD WELDER 1000 AMPS

## MECHANICAL SPECIFICATIONS



## CONTROL PANEL



## ELECTRICAL SPECIFICATIONS

Input Power	Three-Phase
Max Open Circuit Voltage	80
Amperage Output Range	50-1000 A
Rated Output at 7% Duty Cycle*	1000 A @ 32V

\*Rated duty cycle = 1.7 times the maximum one-second outputs per minute.

## Amps Input at Rated Load Output, 60Hz

480V	55 A
575V	45 A
KVA	26.4 A
KW	4 A

## PERFORMANCE DUTY CYCLE

Stud Size	Number of Studs in One Minute
0.625	4
0.500	10
0.375	30
0.3125	40
0.250	60

Percent duty cycle = 1.7 times the number of one-second (1000ms) loads/outputs per minute, without overheating. The one-second load is the rated output.

## ORDERING INFORMATION

Description	Part Number
ISW1000 (power supply only)	PTA1
STD Weld Tool	GAAAW-09
STD Weld Tool with Dampener	GAAAW-09D
25' 2/0 Extension Cable	CE4YW29A-25
50' 2/0 Extension Cable	CE4YW29A-50
15' 2/0 Ground	CN4FW-15
25' 2/0 Ground	CN4FW-25

## IMAGINATIVE SOLUTIONS FROM AN INDUSTRY LEADER

The ISW1000 is the result of imaginative thinking and a commitment to provide our customers with reliable, easy-to-use stud welding equipment. As a technology-driven industry leader in stud welding, Image Industries continues to provide innovative, cost-effective solutions to your fastening challenges. We can provide everything you need – equipment, technical expertise, value-added solutions, and exceptional customer service – all from one company.

**To learn more about the ISW1000 Inverter Stud Welder or to discuss your requirements, call us at (800) 722-7883.**



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