

Workhorse



MIGweld 300MS 300 Amp GMAW/SMAW Inverter Power Source



**The only
SCR-type
inverter welder
made in
the U.S.A.**

MANUFACTURED BY

ARCON
Welding Equipment

ARCON WELDING EQUIPMENT (LLC)

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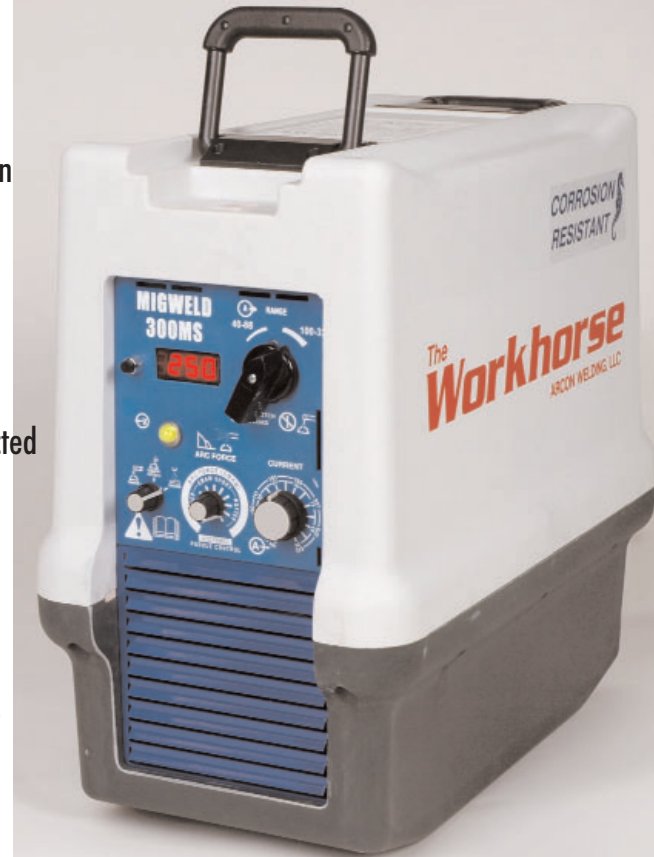
- Portable and Lightweight for Industrial Welding
- 300 Amps at 32 VDC 60% Duty Cycle Three-Phase
- 200 Amps at 28 VDC 100% Duty Cycle Single-Phase

BENEFITS

- Good Initial Penetration
- Lightweight, Portable
- Constant Power
- Auto Hot Start
- Smooth, Stable Arc
- Reliable SCR Inverter
- 100% Corrosion Protected
- Arc Gouging Protection
- High Power Efficiency
- Low DC Ripple Output
- 5-Zones of Thermal Protection
- Rugged Fiberglass Case

FEATURES

- Heat Control for welding in Short-Arc mode
- Puddle Control for welding in GMAW mode
- Arc Force for SMAW allows the operator to adjust the current surge
- Current/Time controlled cooling fan reduces dust in the welder
- Bright, easy to read, panel-mounted digital display optional
- Extra-thick skids on the bottom of the case for protection
- 14-pin Remote for 24VDC and 115VAC wirefeeder and accessories
- Stick welding current from 30 to 400 Amps in 2 ranges
- 240V single or three phase, 400V, 480V, 575V or 240/480V primary voltage
- Digital meter displays real-time output Voltage or Current



**PROVEN RELIABILITY
RUGGED CONSTRUCTION
GREAT WELDING CHARACTERISTICS**

MIGweld 300MS Specifications

Primary Input	Rated Welding Current (Amps) @ Duty Cycle	Welding Range Ampe	Open Circuit Voltage	Input Amperes at Rated Load Output 50.60 Hz				K VA KW	Efficiency	Physical Dimensions	Weight	
				240	400	480	575				Net	Ship
Three Phase	400 A @ 29% 300 A @ 60% 250 A @ 100%	Range 1 30-180 A	80 Max.	37	25	20	18	14.9 12.05	79.60%	Height 17.9" 45.5cm Width: 10.5" 26.7cm Depth 19.5" 49.5 cm	Approx. 80lbs. 36.3 kg.	Approx. 90lbs. 41.0kg.
Single Phase	200 A @ 100% 28V	Range 2 80 A - 400 A		45	NA	NA	NA	NA	NA			

240V/480V DUAL VOLTAGE OR 240V, 400V, 480V & 575 V SINGLE VOLTAGE

POWER ON INDICATOR

PROCESS SWITCH

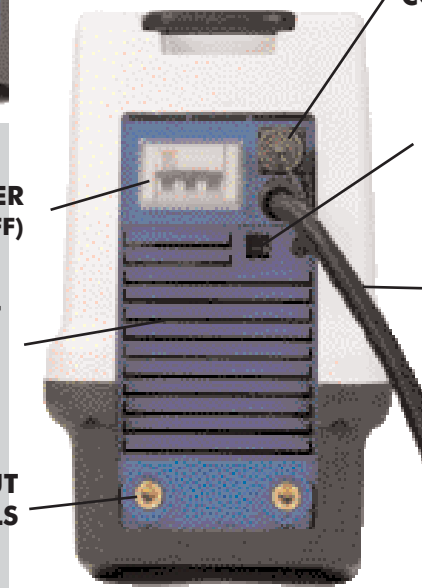
THE WORKHORSE product line is designed for ruggedness and portability in high volume production and construction. All the Workhorse power sources weigh about 80 pounds, feature a built-in circuit breaker, and provide 5 zones of internal protection. Small sizes allow more workstation flexibility without the need for facility expansion. Modern 14 pin remote connector accepts a wider variety of wire feeders and spool guns with 24 VDC and 115VAC power.



RANGE SWITCH

WELD POWER

ARC FORCE



REMOTE CONTROL CONNECTOR

AUX POWER CIRCUIT BREAKER

**INPUT POWER CORD
12 FT (3.65M) LONG**

CIRCUIT BREAKER (POWER ON/OFF)

THERMOSTAT CONTROLLED VENTILATION

OUTPUT TERMINALS

Product Specifications are subject to change without notice. Visit the website for information on updates and changes.

Additional information is available at www.arconweld.com or from the Distributor listed below.

Manufactured by

ARCON
Welding Equipment

www.arconweld.com

Products from
ARCON
Welding Equipment



**Workhorse 300S
Stick/Lift Start TIG**



**Workhorse 300MS
MIGweld**



**Workhorse 300ST
ArcStarter TIG**



**Studhorse 1200
Stud Welder**



**Studhorse 1200 DM
Stud Welder**



**Ironhorse 300S
700V DC Input**