

# Workhorse



## Arc Starter TIG 300ST 300 Amp GTAW/SMAW Inverter Power Source



- 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

- No Radio Noise Interference
- Lightweight, Portable
- Constant Power
- Powerful TIG Arc Ignition
- Smooth, Stable Arc
- Reliable SCR Inverter
- Rugged Fiberglass Case
- Arc Gouging Protection
- High Power Efficiency
- Low DC Ripple Output
- 5-Zones of Thermal Protection



### FEATURES

- Superior TIG arc ignition without annoying high-frequency radio interference
- Capacitive Discharge TIG arc starter ignition allows for no contact between the material and electrode when igniting the arc to avoid contamination
- Built-in Gas Valve for automatic gas control
- Current/Time controlled cooling fan reduces dust in the welder
- Smart Surge Control reduces the slag inclusions in the weld
- Bright, easy to read, panel-mounted digital display
- Stick welding current from 20 to 400 Amps in 2 ranges
- 240V single or three phase, 400V, 480V or 575V dedicated primary voltage

**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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**PROVEN RELIABILITY  
RUGGED CONSTRUCTION  
GREAT WELDING CHARACTERISTICS**

# TIGweld 300ST Specifications

Primary Input	Rated Welding Current (Amps) @ Duty Cycle	Welding Range Amps	Open Circuit Voltage	Input Amperes at Rated Load Output 50/60 Hz				KVA KW	Efficiency	Physical Dimensions	Weight	
				240	400	480	575				Net	Ship
Three Phase	400A @ 29% 300A @ 60% 250A @ 100%	Range 1 20-180A	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	200A @ 100% 28V	Range 2 80A - 400A		45	NA	NA	NA	NA	NA			

**240V, 400V, 480V & 575V SINGLE VOLTAGE**

***This product line is designed for ruggedness and portability in the manufacture of food and beverage equipment, fabrication using thin metals, and precision welding in the automotive, nuclear and aerospace industries. All of The Workhorse power sources weigh 80 pounds, feature a built-in circuit breaker, and provide 5-zones of thermal protection.***



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](http://www.arconweld.com) or from the Distributor listed below.

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**ARCON**  
Welding Equipment

[www.arconweld.com](http://www.arconweld.com)

Products from  
**ARCON**  
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**Workhorse 300S**  
Stick/Lift Start TIG



**Workhorse 300MS**  
MIGweld



**Workhorse 300ST**  
ArcStarter TIG



**Studhorse 1200**  
Stud Welder



**Studmatic 400 & 800**  
Stud Weld Controller



**Ironhorse 300S**  
700V DC Input