

MODEL 317

ORBITAL WELDING CONTROLLER



INDUSTRY

- Nuclear power Generation
- Shipyards
- Oil and Gas
- Heat Exchanger
- Semiconductor
- Bio and Pharmaceutical
- Aerospace
- Food, Dairy and Beverage



M317 CONTROLLER



WELD GRAPH



DATA ANALYTICS

THE WIDEST RANGE OF ORBITAL WELDING EQUIPMENT IN THE WORLD

Experience the next generation in orbital welding technology. Designed for welders by welders. At AMI, we provide 40 years of automated welding expertise with the most modern controls and interface technology.

FEATURES

- With 100% duty cycle the Model 317 provides the highest power/weight ratio in the industry
- Unrivaled user experience modern touchscreen improves performance and increases production efficiency
- Advanced orbital welding features
- Vision system enabled
- Orbital analytics: collect, store and manage your data files locally or on the cloud
- Advanced orbital analytics to maximize performance
- Compatible with our fusion Weld Head product line

MODERN SOFTWARE

Multiple security levels allow for control of weld schedule, and change limits within prescribed limits. Unrivaled user interface.

- Single or multipass welding schedule programming
- Pulsed current, travel, wire feed and oscillation
- Manipulator synchronization
- Stepped or spiral travel programming
- Data acquisition
- Data analytics
- Multi-level password protection

Visit arcmachines.com for more information.

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QUICK SPECS	
Input Power	208-240 VAC (-01) 208-480 VAC (-02) 50/60 Hz 1,3 phase
Dimensions	Height: 20.1/2" Width: 29.1/2" Depth: 17.3/4"
Weld Current	Up to 350 (A) 100% Duty Cycle 3 phase
Weight	125 lbs.
I/O Devices	4 USB ports 4 Gigabytes Ethernet (Purchase separately)
Water Cooler	YES
Weld Cloud	YES
Orbital Analytics	YES

TOUCH SCREEN, REMOTE PENDANT



FEATURES

- Full Function pendant for pipe welding
- Ergonomic design with different grip points
- Combination of Touch Screen and Keypad entry and operation
- Ability to select weld programs from M317
- Ability to execute, adjust, override and stop weld programs
- User Friendly graphical user interface
- Keypad includes color reference for similar weld functions

AMI®

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XA00217921 / NA / EN / 04-26-2021