

MODEL 227

THE INDUSTRY'S MOST RELIABLE AND VERSATILE
PORTABLE PIPE WELDING POWER SUPPLY

AMI
ARC MACHINES, INC.®

The widest range of orbital welding equipment in the world

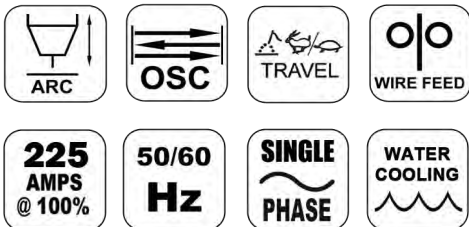


The Model 227 is a 100/225 A pre-programmed/programmable, inverter-type, GTAW welding power supply and controller designed for (but not limited to) automatic orbital welding applications that require the addition of filler material.

Welds produced by this machine, together with AMI's weld heads, meet or exceed the specifications required by industries as diverse as: food/dairy/beverage, pharmaceutical, power generation, petrochemical, nuclear, shipbuilding, pulp and paper, etc. Its small size and powerful output makes it excel in field applications where portability is required.

FEATURES

- Internal memory for up to 100 multi-level, multi-function weld schedules.
- 8 multi-level functions for total process control.
- Programmable, continuous or pulsed current, rotation, wire feed, oscillation and AVC, up to 100 levels per pass.
- Dust/moisture-proof soft-touch membrane switches.
- Standard software prompts in multiple languages.
- Built-in, high-speed printer.
- Key-switch to limit operator access.
- Remote operator pendant.



QUICK SPECS

Input Power

100 - 240 VAC, +/- 10%
Single phase, 50/60 Hz.

Overrides

0% - 100% programmable

Weight

88 lbs.
(37 kg)

Weld Current

3 - 100 A DC @ 100/120 VAC input,
100% Duty Cycle
3 - 225 A DC @ 200/240 VAC input,
100% Duty Cycle

Current Accuracy

+/- 1% or 0.5 A,
whichever is greater

Dimensions

15" x 23" x 20"
(381 mm x 584 mm x 508 mm)

Travel/Rotation Speed

Range depends on weld head type,
typically 0.5 - 10 RPM or 0.1 - 20 IPM

Wire Feed Speed

Range depends on weld head size,
Typically 0 - 200 IPM

Water Cooler

Optional

Note: Maximum programmable pulsed current level is 225 A.



www.arcmachines.com

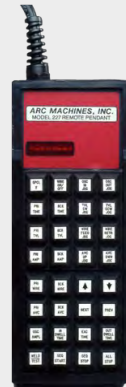
sales@arcmachines.com

MODEL 227 PORTABLE PIPE WELDING POWER SUPPLY

With the Model 227 Power Supply, high-integrity, code-quality welds are easily reproduced at the touch of a button. The program library stores up to 100 weld schedules and titles each schedule with a block of information including, pipe or fitting OD, wall thickness, material type and weld type such as tube, pipe, fitting, etc. The optional External Memory Module may be used to store additional weld schedules or to transfer data from one machine to another. Welding quality control is enhanced by programmable override limits. This allows the operator to have control over the welding parameters without exceeding the allowable limits of the welding procedure.

In operation, both the Power Supply and Remote Operator's Pendant allow the operator to modify weld schedules. The remote pendant can also be used for accessing alternate weld schedules remotely. Weld schedules may be written as single-pass or multi-pass and electrode rotation may be continuous or incremental (stepped). Total arc control is made possible through eight multi-level functions. Each of these functions may be programmed to change values up to 100 times (levels) during the weld.

The Model 227 is very easy to operate and is designed with the welder in mind. All operator entries are made in actual values and do not require codes.



ACCESSORIES

1. Heads up display with arc shield.
2. EMM Memory Module.
3. Weld head extension cables.
4. Reusable shipping case.
5. Water cooling unit.
6. Pendant extension cables (not shown).
7. Offline programming (not shown).



water cooler

COMPATIBLE AMI WELD HEADS

- Fusion weld heads without filler wire: Model 96, Model 8 series, Model 9 series.
- Pipe weld heads with filler wire: Model 81, Model 15, and Model 6.
- Open-frame weld heads with or without filler wire: Model 79 series, and Model 95 series.

*Leaders & Innovators in
Automated Orbital Welding*

*For further information please visit our website
or contact us at 1-818-896-9556*



AMI
ARC MACHINES, INC.®

www.arcmachines.com

sales@arcmachines.com

HEADQUARTERS
Arc Machines, Inc.

10500 Orbital Way
Pacoima, CA 91331 U.S.A.
Tel: +1 / 818 / 896 / 9556
Fax: +1 / 818 / 890 / 3724
sales@arcmachines.com

EUROPEAN BRANCH OFFICE
Arc Machines, Inc.

Chemin du Lavasson 2, CH-1196
Gland, Switzerland
Tel: +41 / 22 / 995 / 0051
Fax: +41 / 22 / 995 / 0059
sales@arcmachines.ch

GERMAN OFFICE
Arc Machines GmbH

Markelsbach 2
D-53804 Much, Germany
Tel: +49 / 2245 / 91680
Fax: +49 / 2245 / 916868
sales@arcmachines.de

UK OFFICE

Arc Machines UK Limited
Unit 2 Lamport Court
Heartlands Business Park
Daventry, NN11 8UF, UK
Tel: +44 / 1327 / 312787
Fax: +44 / 1327 / 315034
sales@arcmachines.co.uk