

# Orbital Welding Power Supply Captures Data for Quality Assurance

## Application:

- Piping system in bio-pharmaceutical facility

## Welding Equipment:

### *Power Supplies:*

- Model 205
- Model 207

## Benefits:

- ✓ Easy recordkeeping of weld data
- ✓ Faster audit or inspection
- ✓ Traceability of welding problems

For further information, call  
AMI at 1-818-896-9556 or e-mail  
[sales@arcmachines.com](mailto:sales@arcmachines.com)



Model 205



Model 207



Weld inspection, logging and recordkeeping always have been a part of quality assurance procedures for certain industries, particularly aerospace, nuclear power, semiconductor, and pharmaceutical. However, the recent high demand for logging of orbital weld records in the biopharmaceutical industry is due to the US Food and Drug Administration (FDA) standards to approve a facility for the manufacture of a new drug. About 99% of the welding done at high purity biopharmaceutical facilities is autogenous orbital gas tungsten arc welding (GTAW).

If a facility is installed to the American Society of mechanical Engineers (ASME) Bioprocessing Equipment Standard (BPE2002), all of its welds must be examined visually on the outside diameters by the installer and recorded in a weld log. The inner diameter of at least 20% of the welds must be inspected with a bore scope by an inspector representing the owner. Weld inspection, documentation, testing, and commissioning typically comprise 15% to 20% of the required job time.

The latest generation of **AMI orbital welding power supplies** can store the data or upload the electronic data directly to a computer which eliminates the need to re-enter the data manually. It is capable of tracking and recording data such as weld ID number, type of piping system being installed, material heats of tubing and fittings, purge gas certificate numbers, or electrode type. The ability to quickly search for weld records is valuable during audits by the FDA or other authorities.

To read the full story, visit [www.arcmachines.com](http://www.arcmachines.com)



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# The New M205

## Tube Welding Power Supply



### The Next Generation in Orbital Welding

- ✓ Full Size Color Touch Screen
- ✓ Feature-rich, Versatile, Easy to Use
- ✓ Patented S<sup>3</sup> Weld Scheduling
- ✓ Compatible with All AMI Weld Heads
- ✓ Rugged, Durable and Light Weight



**QUALITY. RELIABILITY. PERFORMANCE.**

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#### M205 Power Supply

#### QUICK SPECS

##### Input Power

115 - 230 VAC service  
single-phase  
50/60 Hz

##### Weld Current

3 - 100/150 A DCSP  
100% Duty Cycle @ 100 A  
30% Duty Cycle @ 150 A

##### I/O Devices

USB (2.0)

##### Memory Capacity

4 GB

##### Water Cooler

Optional

##### Dimensions

18" x 19" x 14.75"  
(457 mm x 483 mm x 375 mm)

##### Weight

50 lbs.  
(23 kg)



#### M207 Power Supply

##### Input Power

100 - 240 VAC service  
single-phase  
50/60 Hz

##### Weld Current

3 - 100/150 A DCPS  
100% Duty Cycle @ 150 A

##### I/O Device

M-207EMM

##### Memory Capacity

Up to 100 weld schedules,  
Up to 100 levels per schedule

##### Water Cooler

Optional

##### Dimensions

11" x 22.75" x 18.75"  
(280 mm x 578 mm x 476 mm)

##### Weight

79 lbs.  
(36 kg)

