

Orbital Welding is Increasingly Adopted for Sanitary Process Piping

Application:

- Stainless steel sanitary process piping in the food, dairy and pharmaceutical industries

Material:

- 316L stainless steel hygienic tubes, and tube-to-tubesheet

Welding Equipment:

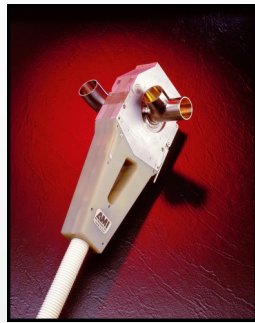
Weld Heads:

- Model 8-4000
- Model 8-6625
- Model 9 series

Benefits:

- ✓ Cost effective
- ✓ Corrosion resistant, clean surface
- ✓ Uniform, fully penetrated weld bead to prevent contamination

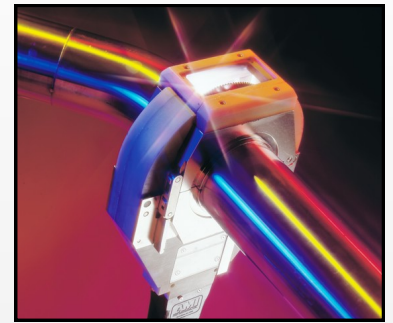
For further information, call AMI at 1-818-896-9556 or e-mail sales@arcmachines.com



Model 8-4000



Model M8-6625



Model 9 Series

Increasing concern for the safety and integrity of food, dairy and pharmaceutical products combined with the need to bring biopharmaceutical products to market in a timely fashion has led to improvements in industry standards to facilitate clean and sterilized product contact surfaces.

The biopharmaceutical industry recognizes that the orbital welding process makes it possible to consistently achieve crevice-free welds with a smooth surface which decreases the affinity for colonization and growth of microorganisms and increases the efficacy of CIP (Clean-In-Place). Orbitally welded systems, installed with proper fabrication techniques and documentation, are in compliance with 21 CFR §211 Subpart D facilitating piping system validation as well as providing excellent performance in service. This has made orbital welding the preferred joining technology for the biopharmaceutical industry in the United States.

The cost of orbital welding and other advances in fabrication technology must be considered in light of the high cost of contamination of food and pharmaceutical products.

The use of orbital welding is expanding in Latin America. Cosmetics plants, breweries, food, and dairy processing plants are upgrading their standards by using technology previously limited to the so-called high-purity industry.

To read the full story, visit www.arcmachines.com



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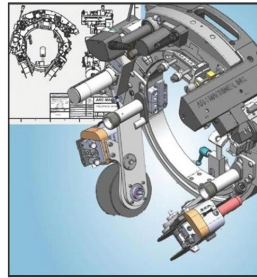
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With over 3000 customer relationships in over 50 countries, Arc Machines, Inc. has set the standard for Automated Orbital Welding Equipment for over 30 years, combining Quality and Durability with Innovative Engineering and Design. Around the world, leading manufacturers and contractors rely on AMI for their expertise in automated orbital welding and to develop customized solutions for new welding challenges.

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AMI

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M8 Series Weld Heads

QUICK SPECS

OD Range

M8-4000: 0.50" - 4.00"
(12,70 mm - 101,60 mm)
M8-6625: 2.00" - 6.625"
(50,8 mm - 168,275 mm)

Travel Motor

D.C., P.M., D.C. Tachometer

Head Weight

M8-4000: 10 lbs. (4,5 kg)
M8-6625: 17 lbs. (7,7 kg)

Electrode Size

1/16" and 3/32"
(1,6 mm and 2,3 mm)

Rotor RPM

M8-4000: 0.1 - 10.0
M8-6625: 0.1 - 2.0

Cable Length

25 ft. (7,6 m) when connected to adapter cable
(extensions available)

- Water cooling is recommended ➤ Compatible with all AMI Power supplies

M9 Series Weld Heads

OD Range

0.093" to 7.500"
(2,362 mm - 190,500 mm)

Travel Motor

D.C., P.M., D.C. Tachometer

Head Weight

11 lbs. - 35 lbs.
(4,9 kg - 15,9 kg)

Electrode Size

0.040", 1/16", 3/32"
(1 mm, 1,6 mm, 2,3 mm)

Rotor RPM

0.1 - 20

Cable Length

25 ft. (7,6 m) when connected to adapter cable
(extensions available)

- Removable tube clamps
➤ Pre-plumbed for water-cooling ➤ Compatible with all AMI Power Supplies