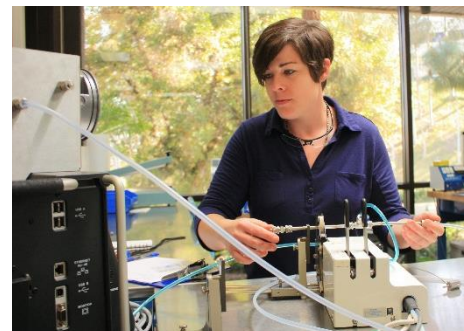


Orbital Welding Seminar

Effective welders must obtain up-to-date and accurate training due to the complexity of consistently achieving acceptable orbital welds. This 5 day course consists of a series of lectures and hands on activities to develop an understanding of orbital welding principles. A theoretical and practical exam is administered at the end of the course to test comprehension and the fifth day is reserved for testing that can be submitted or reserved for ASME Section IX certification.



ATTENDEES WILL RECEIVE:

- Instruction from a Certified Weld Inspector (CWI) and Weld Educator (CWE) from Swagelok headquarters.
- A comprehensive understanding of weld principles using the M200 Orbital Welder.
- Instructions for set up and operation of the orbital welding system.
- Knowledge of how to troubleshoot and identify frequently encountered welding problems.
- An emphasis on operational issues using hands on experience.
- The training may qualify for QA/ QC requirements for your company

TOPICS TO BE COVERED:

- I. Basic welding background information
- II. Basic metallurgy for orbital welding
- III. Tungsten Electrodes
- IV. Shielding and backing purge gasses and procedures
- V. Setup and operation of orbital welding equipment
- VI. Preventative Maintenance
- VII. Troubleshooting
- VIII. Industry weld specifications
- IX. A variety of weld procedures through hands-on experience on applications with Micro-fit fittings to 4 in. diameter tubing.

WHO SHOULD ATTEND?

- Welders with experience who wish to upgrade their skills or obtain ASME qualification
- Welders without experience who would like to learn the technique
- Supervisors of orbital welding operations
- Engineers who design systems that include orbital welding
- Quality assurance and quality control personnel

Duration: 4 or 5 Days



Each student receives:

- Hands-On Experience
- Course Guide and Handouts
- Certificate of Completion and testing
- Lunches

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