



The Swagelok Orbital Weld course is a one-day class that teaches students basic welding principles and the fundamentals of orbital welding. Attendees will learn to set up, operate, and troubleshoot equipment, and critique weld quality. The class features Swagelok's M200 power supply and weld heads, however, the techniques taught in this course can be applied to any automatic gas tungsten arc welding system (GTAW).



COURSE OBJECTIVES

- Understand basic metallurgy and industry standards and specifications for welding
- Set up and operate orbital welding equipment
- Learn how to select, use and care for tungsten electrodes
- Learn how proper gas selection and purging techniques affect the quality of a weld
- Practice troubleshooting common issues and learn preventive maintenance procedures
- Practice orbital weld procedures on applications with up to 4 in. diameter tubing
- Develop weld procedure and adjust the variables of the GTAW process to impact the quality of welds



WHO SHOULD TAKE THIS COURSE?

- Welders or weld operators
 - with orbital welding experience desiring to upgrade their skills
 - without orbital welding experience who want to learn the technique
- Supervisors of orbital welding operations
- Engineers who design systems that include orbital welding
- Quality assurance and quality control personnel wishing to learn about weld quality