



# Swagelok Orbital Welding Training

5 Day Lecture-Lab | Hands-on Welding Exercises | ASME Qualification

## Learn From Certified Swagelok Trainers

For nearly four decades, Swagelok has offered premium-quality welding tools. Today, our welding training emphasizes the theories and skills associated with gas tungsten arc-based orbital welding (GTAW) with both classroom and hands-on training in a five-day course. Because of the complexity of skills required to consistently achieve good orbital welds, new and even experienced welders must be trained using cutting-edge techniques from a qualified instructor. The techniques taught in this course can apply to any automatic gas tungsten arc welding system.

All classes are taught by experienced instructors who have earned the qualifications of Certified Weld Inspector (CWI) and Certified Weld Educator (CWE).

## Who Should Take This Seminar?

- Welders or weld operators with orbital welding experience desiring to upgrade their skills or learn about welding under ASME qualifications
- 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

## 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
- Practice troubleshooting common issues and learn preventive maintenance procedures that will protect your equipment investment
- Practice orbital weld procedures on applications with up to 4 in. diameter tubing
- Develop a weld procedure and adjust the variables of the GTAW process to impact the quality of a weld

## Successful Completion of This Course

To complete the course, you must successfully demonstrate the ability to prepare and weld a tubing system, without assistance from the facilitator or peers. Upon successful course completion, you will receive a signed certificate.

## ASME Qualification

The fifth day of the course is available if you wish to learn more about welding under ASME Section IX; the facility, consumables and equipment necessary to prepare weld samples to be submitted to ASME for Section IX Weld qualification will be provided.

**Where: Swagelok Northern California**  
**3393 West Warren Ave**  
**Fremont, CA 94538**

**When: Mar 18-22, June 10-14, Sept 23-27, Dec 2-6**  
**Mon-Thurs: 8am-5pm, Fri: 8am-12pm**  
**Price: \$2,999 (Seating Is Limited)**

Register at [NorthernCal.Swagelok.com/events](https://NorthernCal.Swagelok.com/events)

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