

Swagelok Weld Training

Learn and Enhance Skills Necessary for Quality Orbital Welds

Is Swagelok Orbital Weld Training Right for Me?

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 four/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 qualified instructors. The techniques taught in this course can be applied 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 Course?

- Welders or weld operators
 - with orbital welding experience desiring to upgrade their skills or learn about welding under ASME qualifications
 - without orbital welding experience who want to learn the technique
- Supervisors of orbital welding operations
- Engineers who design systems that include orbital welding



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 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 Course Completion

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 Qualifications

An optional fifth day at the end of the course is available if you wish to learn more about welding under ASME Section IX; the facility, consumables and equipment necessary to obtain your qualification will be provided.

Registration

To register for the February class, contact [Swagelok NYC | NJ | Philadelphia](#) at 877-333-5365 or training@swageloknjfs.com.

Seats are limited.

Training Date: October 12-16, 2026

Branch: 1663 Republic Road, Huntingdon Valley, PA 19006

Cost: \$3,500 per course
includes training materials, consumables, lunch each day