

Swagelok®



Swagelok® Advanced Tube Bending Training

Swagelok Southwest, 4926 E. Beverly Rd., Phoenix AZ

Email karen.polen@swagelok.com to register or call (602) 268-4848

ADVANCED TUBE BENDING TRAINING

Course Objective

The objective of Swagelok's Advanced Tube Bending Training Course is for participants to acquire a variety of advanced bending skills and techniques that will help them achieve optimal system performance while working effectively, safely, with less scrap and rework.

Training Topics

In this course, students will:

- Use hand tube benders in a variety of sizes
- Apply a traditional measure-mark-bend method
- Apply Swagelok's unique bending method for ultimate accuracy
- Calculate bend offset lengths
- Calculate the minimum amount of tubing needed for back-to-back bends
- Calculate the minimum distance needed between bends
- Maintain spacing when making parallel tubing runs
- Make tube runs without a drawing or template
- Calculate and make rolling offset bends
- Identify and avoid bend defects
- Identify and address the potential variables encountered when bending
- Make offset, rolling offset, parallel, complex, and segmented bends

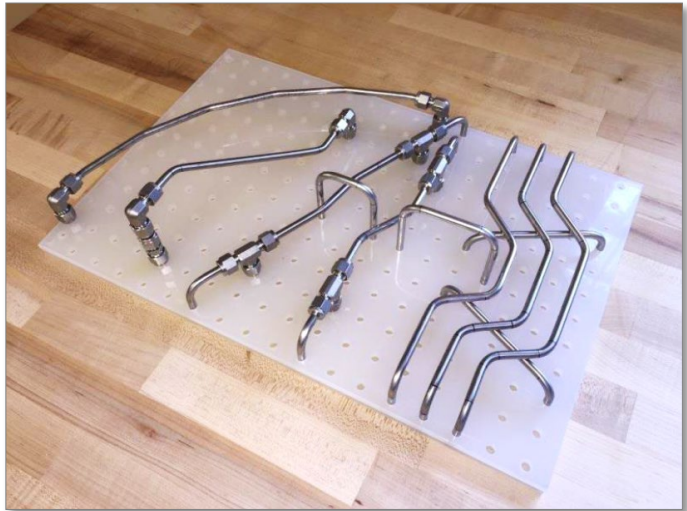
What's Included?

- 24 hours of hands-on instruction
- Loaner tools and consumables to complete multiple practical projects
- Student course guides
- Certificate of completion
- Lunch and snacks

ADVANCED TUBE BENDING TRAINING

Training Course Outline**Days 1 and 2:**

- Practice with 1/4 in. hand tube bender
- Measure-bend method
- Swagelok tube bending method
- Offsets
- Minimum distance between bends
- Custom offsets
- Parallel tubing runs
- Rolling offsets
- Segmented bends
- Peg Board practical exercise

**Day 3:**

- Practice with 1/4, 3/8, and 1/2 in. hand tube benders
- Benchtop Tube Bender operations
- Gas Cabinet practical exercise

