

The Swagelok logo is written in a white, elegant, cursive script font. It is positioned in the upper left corner of the page, set against a background of blurred industrial components.

Swagelok®

Swagelok Manchester

This text block is located within a dark blue rectangular area that overlaps the background image. It contains the text 'SWAGELOK MANCHESTER AUTHORISED SALES AND SERVICE CENTRE' in a white, bold, sans-serif font. A dotted line is positioned directly below the text.

SWAGELOK MANCHESTER
AUTHORISED SALES
AND SERVICE CENTRE

This text block is also within the dark blue rectangular area. It features the words 'TRAINING SERVICES' in a very large, bold, white, sans-serif font, making it the most prominent text on the page.

**TRAINING
SERVICES**



manchester.swagelok.solutions



ARE YOU PREPARED FOR THE ENGINEERING SKILLS GAP?

As the baby boom generation (those currently aged between 51 and 69) nears retirement age, the engineering sector is challenged with a fundamental concern; attracting, retaining and engaging skilled engineers and technicians.

The potential loss of legacy knowledge, skills and expertise, is quickly becoming a major threat to the UK economy and many engineering organisations. Overlay this with a shortage of young people enrolling on engineering, mathematical and scientific subjects, the problem is compounded, signaling turbulent times ahead if ignored.

Reduce the risk

As Business owners and leaders, history tells us that ignoring the changing dynamics of the marketplace is a sure fire way to make it into the business hall of shame. As the skills gap begins to widen, firms can minimise the risk to business through the development of robust attraction and retention strategies. Figuring out the best way to manage mass loss of expertise, while developing the skills of existing and new employees will enable organisations to create a sustainable, highly skilled workforce.

According to research by Unum and Oxford Economics the average cost of replacing a departing staff member is £30,614. In 2017 Swagelok Manchester invested an average of £1,350 on training and development per employee, and our employee turnover rate is typically below 5% per year, compared to a UK average of around 15% (source monster.co.uk).



THE BENEFITS OF SWAGELOK TRAINING

Training helps employees acquire new skills and knowledge to perform their job better, thus increasing job satisfaction. It is also widely appreciated as a benefit and can increase employee loyalty and retention. In a recent Swagelok Manchester customer survey it was encouraging to learn that 84% of respondents reported that training is considered a high priority for their organisation. The most frequent employee and business benefits cited were safety, productivity, staff retention and motivation.

An IBM C-suite Study with 4,183 leaders in 70 countries and 20 industries found that the organisations they classed as 'leading' provided employees with continuous "refresher training" which contributed to helping create a culture that fosters continuous learning and leads to better and faster business results.

This document provides details of all the courses on offer from Swagelok Manchester.



SAFETY IS PARAMOUNT

You want your team to be safe and productive, but there are so many concerns to look out for. Concerns like insufficient training and knowledge, which are among the most commonly cited safety issues in plants. That's pressure, but Swagelok can help with essential training www.swagelok.com/en/Services/training-and-education/Swagelok_Essentials in tube fitting assembly, hose, and tube bending, as well as assistance with proper product selection www.swagelok.com/en/Services/Sales_and_Service_Support/Product_Selection_and_Guidance, and evaluation www.swagelok.com/en/Services/Evaluation_and_Advisory_Services of your systems.

THE HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTE GS4: SAFETY IN PRESSURE TESTING ISBN 0-7176-091-5 STATES:

“ The operating company should have a formal competency assurance scheme to ensure all personnel (company and contract) who work on small bore tubing systems are assessed as competent and trained as required. ”

Swagelok are the originators of the twin ferrule, mechanical grip tube fitting, Swagelok Manchester is uniquely placed to offer installation training to personnel involved in the installation of small bore tubing systems.

SWAGELOK MANCHESTER'S TUBE FITTING INSTALLATION TRAINING COURSE

COURSE OVERVIEW

This full day course covers the theoretical aspects of “Tube versus Pipe”; tube fitting design and installation; the specification, selection and identification of tubing, including storage, cutting, de-burring, bending and installation; pipe threads; thread sealing; thread galling; and safety considerations.

COURSE CONTENT

- Tubing
- Tube fitting history
- Installation procedures
- Leakage
- Swagelok tube fitting
- The quarter turn demonstration
- Tube fitting installation demonstration
- Tapered threads and straight parallel threads
- Fitting products to make the job easier
- Tube bending
- Theoretical and practical examinations
- Course evaluation

WHO SHOULD ATTEND?

As well as installation personnel directly involved, the course is of benefit to everybody who has a vested interest in safe, reliable, low-cost system installations.

ASSESSMENT

Delegates must successfully complete a theoretical examination and a practical test requiring them to produce a test loop from stainless steel tubing, to dimension and toleranced drawings.

On successful completion of this course attendees receive a mounted test loop and Global Standard Swagelok Certificate of Completion and a Swagelok Accreditation Card, both lasting three years.

HOW TO BOOK

To find out more please visit our website or [click here](#)

SWAGELOK MANCHESTER'S ESSENTIALS OF INSPECTION TRAINING COURSE

COURSE OVERVIEW

The aim of this half-day course is to provide delegates with a thorough understanding of how to identify incorrectly assembled pipe and tube fitting installations and recognise potential safety hazards and unsafe field practices.

COURSE CONTENT

- Common errors leading to tube-fitting leakage
- Tube-system design practices
- Tube-fitting installation practices
- Mixed-material fittings
- Variables associated with proper tube selection
- Tube bending
- Correct pipe thread usage and assembly

WHO SHOULD ATTEND?

This course is designed for anyone who works with tube fittings and requires a skill set that enables them to identify incorrect installations in the field.

PREREQUISITE

Successful completion of Swagelok's Tube Fitting Installation training course.

ASSESSMENT

Upon successful completion of a comprehensive practical examination the course delegates will receive a Swagelok Certificate of Completion lasting three years.

HOW TO BOOK

To find out more please visit our website or [click here](#)



SWAGELOK MANCHESTER'S ORBITAL WELD TRAINING COURSE

COURSE OVERVIEW

If you're designing a critical fluid system, you're likely looking at welding for assembly. With the Swagelok M200 welding system, it's easy to make precise, consistent, quality welds.

You can make the most of what modern orbital welding offers with our five-day course, held at our Birchwood, Warrington sales and service centre.

COURSE CONTENT

Whether you are an experienced or an entry-level welder, we'll guide you through:

- An understanding of welding principles
- Instructions for set-up and operation of the orbital welding system
- Troubleshooting for frequently encountered welding problems
- An emphasis on operational issues through hands-on experience

WHO SHOULD ATTEND?

Welding technicians or engineers wishing to increase their knowledge of orbital welding specifically using Swagelok M200 equipment.

ASSESSMENT

On the 5th day delegates can choose to test for ASME Section IX qualification if they need to fulfil QA/QC requirements. All of our instructors hold Certified Weld Inspector (CWI) and Certified Weld Educator (CWE) qualifications, as well as at least five years' experience in orbital welding instruction.

HOW TO BOOK

To find out more please visit our website or [click here](#)

SWAGELOK MANCHESTER'S HYDROGEN AWARENESS TRAINING COURSE

COURSE OVERVIEW

This course provides an introduction to the properties of hydrogen and the risks associated with handling Hydrogen gas in the workplace and within systems.

Intended as the first step in developing safety awareness for your employees.

Delivered by Technical Manager/ Regional Field Engineer who is highly experienced with Hydrogen systems and applications.

COURSE CONTENT

- Basic Introduction
- What is Hydrogen?
- Hydrogen Risks
- Best Practice

WHO SHOULD ATTEND?

- Businesses looking at introducing hydrogen systems into their business
- Hydrogen is new to your business
- Anyone looking to better understand and control the risks associated with Hydrogen

COURSE DELIVERY

- Delivered virtually for your convenience
- Duration 1 hr [45 minutes and 15 minute questions]

HOW TO BOOK

To find out more please visit our website or [click here](#)



Swagelok®

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