

Practical TIG (GTAW) Welding Training



This 1½ day Instructor-led practical based interactive workshop for up to 8 delegates is designed for all personnel engaged in or supervising TIG (GTAW) welding

Benefits

- Training by experienced staff from the UK's largest provider of industrial, speciality and medical gas training
- Practical sessions provide staff with relevant Standard Operating Procedures
- Practical fault finding
- Safer, better informed operators. Reduced risk of personal injury or plant damage
- Increased operator skill levels, reduced reject rates
- Increased production efficiency, reduced downtime
- Safety content assists in the completion of risk assessments
- Cost-effective on-site training
- Provides awareness of current Legislation, Guidance Notes and Codes of Practice

Workshop overview

- Personal safety and safe use of shielding gases
- Safety in the use of the equipment
- Electrical safety
- Type of current used and its effects (AC/DC)
- The need for extraction
- Selection of the correct shielding gas
- How a shielding gas works
- Types of electrodes and correct electrode selection
- Electrode sharpening technique
- Cleaning procedure
- How a TIG machine works
- Component parts of a TIG machine
- Correct set-up of a TIG machine
- Correct use of a torch and filler rod angles
- Correct set-up and tacking procedures
- Rectification of faults
- Correct travel speed
- Bead on plate and fillet joints in the flat position
- Practice to reach an acceptable standard

Workshop price

Practical TIG (GTAW) Welding Training (1½ days)

£1,275 for up to 4 delegates, £1,625 for up to 6 delegates and £1,975 for up to 8 delegates. VAT is payable at standard rate.

All delegates must be provided with, and wear, appropriate PPE during this practical sessions i.e overalls, eye protection, safety shoes and safety gloves

What you will learn

- Appreciate the importance of safe working procedures and be made fully aware of the consequences of adopting poor working practices
- Develop an awareness of hazards associated with the welding process and how to approach risk assessments in a real world situation
- Correct welding technique – theoretical fundamentals of the TIG process are then reinforced during the practical sessions
- Improve skill levels – the initial practical focuses on the correct set-up of a TIG welding set and how to fault find, whilst the second session allows operators the opportunity to practice techniques
 - correctly and safely set-up a TIG welding machine
 - recognise, understand their causes and rectify faults
 - adjust voltage and current settings to suit the work to be done
 - weld in the flat condition to an acceptable standard



gas safety training brought to you in association with Gas Safe

Next step...visit our website to see our full range of workshops...

We have a full range of Instructor-led Gases Safety Awareness & Practical workshops.

Also available – workshops which combine safety, process & practice

- Practical Brazing and Soldering Training
- Practical Oxy-fuel Cutting Training
- Practical Manual Metal Arc (MMA) Training
- Practical MIG (GMAW) Welding Training

All delegates must attend the appropriate Instructor-led or on-line safety awareness workshop before they can participate in the practical workshop



Specific e-Learning packages

What training modules are available?

- Using Liquid Nitrogen Safety
- Using Oxy-fuel Gases Safety
- Using Compressed Cylinder Gases Safety (non oxy-fuel)
- Using Medical Gas Cylinders Safety
(available Including or excluding Cylinder Storage & Manifold Systems)

e-Learning offers a more flexible, accessible method of training which delivers high quality affordable training without the need to gather employees together in a classroom. This method is ideal for single users, new starters or as refresher training.



**To discuss your training requirements or specific requirements, such as On-site Advisory survey
Please contact us**

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