



Job Description

Job details

Job Title:	Plastic Welding Instructor	Reports to (Job Title):	Section Manager
Job profile:	Professional		

Description of role

TWI is one of the world's leading independent research and technology organisations, with expertise in materials joining and engineering processes. We develop innovative solutions for real industry problems that can have a profound impact on the world and people's lives.

Within TWI, the Polymer Technology Group (PCT) and Novel Polymer Technologies Section (NPT) is expanding at our Middlesbrough site and the plastic welder training business has grown in the recent years requiring growth of the delivery team.

This role is focused on delivering training courses to plastics welders in the following welding processes; hot gas, injection, extrusion, butt fusion and electrofusion, socket fusion and hot wedge welding. The post will be based in Middlesbrough to gain access to potential business in this area.

The role will involve shadowing our current plastic welder trainers as they deliver training courses both at TWI premises and at customer sites across the UK and overseas.

Key responsibilities include:

- Delivering Plastics welder training courses to relevant standards including, but not limited to, BS EN 13067
- Developing new business opportunities and training courses
- Scheduling and co-ordination of the training courses
- Quoting for training courses based on requirements of the client
- Managing and sourcing the relevant training materials

Further responsibilities during the initial training period will also involve the undertaking of technician duties and lab work at TWI's Middlesbrough or Cambridge sites within the NPT section as and when required.

You will also be able to liaise regularly with external contacts i.e. Environment Agency, HSE, BGS (British Geomembrane Association) and other bodies. A background of working with polymer materials and fabrication techniques is essential, with a strong mechanical background in engineering is desirable and qualified to HND or equivalent.

Candidates should also be aware of prospective of developments within this market, which will allow for successful business development supporting our growth plans. You will be expected to demonstrate strong business acumen, customer focus, flexibility and the ability to operate effectively in a team or self-managing environments. Training experience would be an advantage.

You will require UK security clearance for this role, willing to relocate to Teesside region and travel within UK or to overseas with short notice.



Key accountabilities

The plastics Welding Instructor will support NPT's plastic welder training business by:

- Handling and disposing of hazardous substances, in accordance with TWI health and safety policy
- Perform general lab duties including: housekeeping, consumables stock monitoring, placing material / consumable orders, health and safety CoSHH and risk assessments
- Occasional operation of general work shop equipment including, band saw, pillar drill
- Support with implementation and maintenance of controlled material/parts storage.
- Purchase and maintain tooling and consumables.
- Good team and networking abilities, demonstrating initiative thinking and self-motivation.
- Good communication skills and the ability to work to tight deadlines using own initiative.
- Support delivery of research projects to meet the technical objectives of the project work and the corporate research and development programs.
- Delivering Plastics welder training courses to relevant standards including, but not limited to, BS EN 13067
- Developing new business opportunities and training courses
- Scheduling and co-ordination of the training courses

Person specification

Criteria	Essential	Desirable
Qualifications	<ul style="list-style-type: none"> • GCSE or equivalent 	<ul style="list-style-type: none"> • You will preferably be working towards, or hold, HND in engineering discipline
Skills	<ul style="list-style-type: none"> • Welding and fabrication of plastic components 	<ul style="list-style-type: none"> • Certification in welding of plastics
Specific relevant experience	<ul style="list-style-type: none"> • Plastic fabrication and welding 	<ul style="list-style-type: none"> • Familiarity with plastics manufacturing including; extrusion, injection moulding, compression moulding, rheology and physical properties of filled polymer systems, and plastics testing • Familiarity with polymer aging and environmental testing and experience of working with pressurised systems being used for polymer aging
Competencies aligned to Organisational values	<ul style="list-style-type: none"> • Teamwork - Building effective working relationships, we 	



	accomplish more together <ul style="list-style-type: none">• Innovation and Expertise - Championing new ideas and sharing knowledge with each other• Taking responsibility - Achieving our objectives and personal development• Customer focus - Building trusting relationships with our customers• Adaptability - Accepting and engaging positively with change• Inclusion - Valuing the contribution from every individual, creating value for our customers	
--	---	--

TWI Culture

As one of the world's leading independent research and technology organisations, we are committed to attracting, motivating and retaining the best talent from around the world. Our goal is to develop the next generation of experts to address future industry challenges.

We are committed to creating a culture that recognises and respects the differences between people while valuing the contribution everyone makes to TWI.

The diversity of our staff and students makes a positive and important contribution to our continuing success.

TWI offers a comprehensive training programme, incorporating both in-house and external courses to support staff development.

TWI Values:

Our six values provide a point of reference for the way we expect our people to operate and behave.

- **Inclusion:** Valuing the contribution from every individual, creating value for our customers
- **Teamwork:** Building effective working relationships, we accomplish more together
- **Adaptability:** Engaging positively with change to meet the needs of the business
- **Taking Responsibility:** Achieving our objectives and personal development
- **Innovation & Expertise:** Championing new ideas and sharing knowledge to solve industry problems
- **Customer Focus:** Building trusting relationships with our customers