

Press Release

Top Marks to Polysoude for the 2016 Master Classes!

On the 8th and 9th of June, Polysoude held its 2016 ‘Master Classes in Mechanised TIG Welding and Cladding’... and confirmed that innovative equipment, ingenious expertise, together with enthusiastic participation is the perfect formula for successful Open Days!

The International event was held at the Nuclear AMRC, in Sheffield, where a record number of technicians, managers and industrialists attended, all eager to gain first-hand knowledge of the latest technological developments in mechanised and orbital TIG welding and cladding. The pairing of Polysoude’s state of the art equipment and expertise, with the unparalleled facilities of the Nuclear AMRC certainly proved to be a winning combination!

The event focussed on technological advancement built on historical successes; a theme which was resonant in both the presentations and in the live demonstrations of Polysoude’s latest, cutting edge equipment. The opening speech was made by Mr. Keith Bridger, Head of Welding and Materials Engineering, who gave a brief history of the Nuclear AMRC and its role in supporting industrial advancement. He emphasised the importance of Polysoude’s sponsorship, for if the Nuclear AMRC is to support industries in the New Nuclear Build and the Oil & Gas sector, it needs new equipment, such as Polysoude’s innovative Narrow Groove TIG Welding Torches and Weld Overlay Cladding Systems.

Mr. Hans-Peter Mariner, CEO of the Polysoude group, introduced the UK team and the welding technicians, stressing the multi-national nature of the event, drawing on presenters and demonstrators from many countries, an ability which Polysoude has because of its well-established global network, world-wide resources, and offices, which can be called upon at any time to respond to customers. He hoped that the equipment demonstrated would prove where the future lies in terms of manufacturing.

Dr. Steve Jones, renowned Professor in Joining & Additive Manufacturing Sciences at Coventry University, noted the importance of building on past efforts and innovations in order to develop Power Source Technology. In addition, he stressed that effective communication between ideologists and manufacturers, during the design phase, is vital, as it enables Polysoude, for example, to design and adapt equipment perfectly to fulfil customers’ unique demands.

A carousel approach allowed groups of participants to see and learn at first-hand the capabilities of Polysoude technology. As technicians gave live demonstrations in orbital welding, automated Narrow Groove welding and Weld Overlay Cladding, Polysoude representatives explained procedures and answered the many interested and enthusiastic questions.

Customers Applaud Polysoude's Personalised Approach to Solutions

Between the technical presentations, the versatile event programme was made complete by the participation of Polysoude customers, who took the floor to share their experiences in the use of Polysoude equipment. Mr Alan Robinson, of Arc Energy Resources, gave his observations on the development of Weld Overlay Cladding Technologies, from the past, when suppliers were unable to integrate cladding equipment, to the present, when Polysoude utilises a growing market by designing and personalising equipment specifically for its customers and their requirements. In particular, Mr Robinson noted the excellence of Polysoude's latest TIG^{er} technology, in terms of speed and efficiency, stating that it will be "revolutionary".

Mr. Norman Cooper of BAE Systems gave a presentation on Mechanised and Orbital Welding in Critical & High-value Manufacturing, which outlined the dramatic and exciting changes from manual welding to successful automated, programmable TIG Orbital Welding. Mr Cooper pointed out how Polysoude has risen to the challenge of heightened quality control by producing equipment of enhanced quality and reliability with zero defects.

Mr. Charles Byrne of Graham Hart Process Technology rounded off the presentations. He explained how the introduction of Polysoude technology in the form of tube sheet welding heads, improved the manufacture of heat exchangers, by guaranteeing quality and high performance, thereby raising his company's profile and validity with customers.

Let Loose The TIGer!

After whetting the appetite of participants, they were allowed to savour one of the major breakthroughs in the field of Weld Overlay Cladding - a process designed particularly for the application of corrosion resistant alloys - the TIG^{er} Cladding System! A technology, which represents the next evolutionary stage in Hot Wire TIG Technology, the TIG^{er} is capable of reaching much higher cladding speeds and deposition rates than the standard TIG process. A machine fitted with the TIG^{er} technology process will prove to be profitable and economical allowing a 20 to 50% drop in operating costs per kilogram of weld metal.

This was a hugely successful event! Participants found both the presentations and live demonstrations informative and helpful. They enjoyed learning more about the application of the mechanised equipment and were thrilled by experiencing Polysoude's new orbital and mechanised systems... especially the TIG^{er}!

So, what has been learned from the 2016 Master Classes?

100% effort in collaborating to build future technology +
100% achievement in designing for specific customer needs =
100% success!.

Photos



Fig.1: Live demonstrations in groups for discussion around specific topics



Fig.2: Explanations during live demonstrations in orbital welding



Fig.3: One of the Polysoude demonstrators explains the procedure of the Narrow Groove technology