



WELDING TECHNOLOGIES GROUP

ARO Controls

Adaptive Welding Control System



Quality without compromise

www.arotechnologies.com

ARO adaptive welding control system

About ARO

Since the middle of the 20th Century, the name ARO has been synonymous with resistance welding. Today the ARO Welding Technologies group is a world leader in welding equipment and systems to the automotive and other industries.

Headquartered in Chateau du Loir, near Le Mans in France, and via its international subsidiaries and manufacturing facilities in Europe, the Americas and the Far East, ARO provides global presence to global clients.

ARO is a division of the multi-disciplined UK based engineering group, Langley Holdings plc. (www.langleyholdings.com)

ARO Adaptive Welding Control System

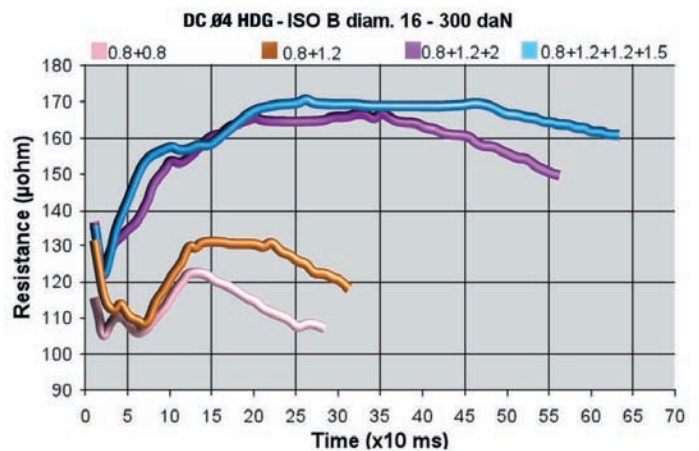
An effective and easy to use control system is an integral part of any efficient and reliable welding process. Through our on going research and development programme we have developed a state of the art adaptive control system that complements ARO's extensive range of welding guns and delivers substantial benefits over existing systems. This new adaptive system delivers a combination of power and process control that will benefit any client who demands cost savings without compromising quality.

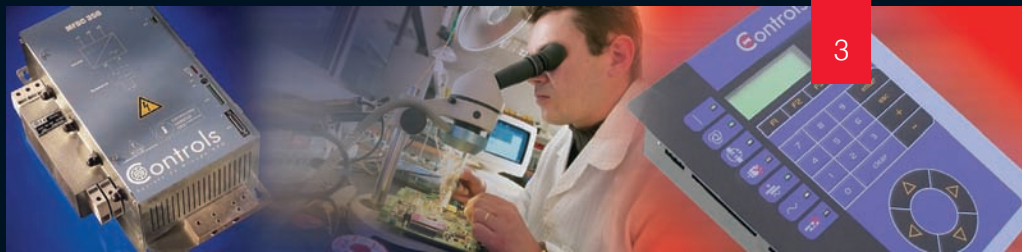


Features

- System designed for use with manual and robotic guns, but also for MBR welding.
- Adaptive system adjusts to the thickness and number of sheets to be welded without the need for the operator to change the welding schedule.
- The system automatically adapts to the presence of resistive material such as adhesives that may be present.
- Automated electrode wear compensation.
- Ability to handle different materials.
- Robust calibration based on 10 reference welds compared to a single measurement.
- The ARO Adaptive Control System interfaces via Ethernet or USB to the PC used for system and gun configuration and calibration.
- Dedicated easy to use software.

Automatic adjustment to sheet thickness





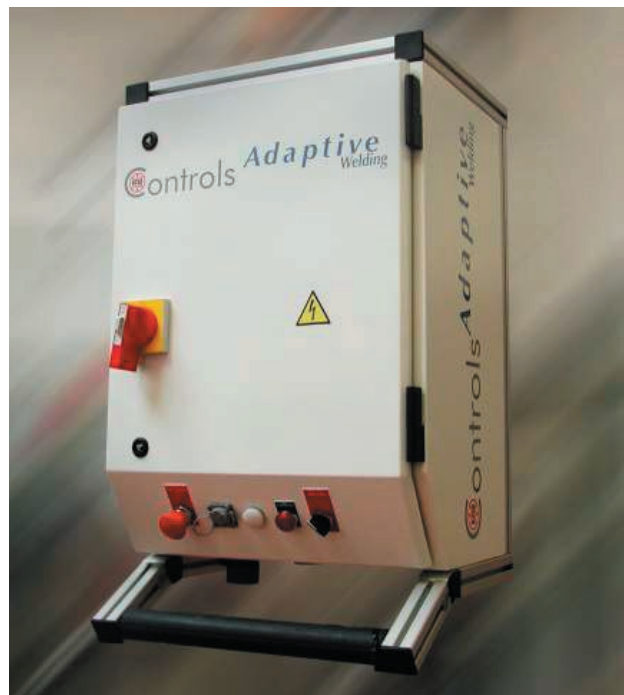
Intelligent and efficient welding

Benefits

- Major cost savings through reduced documentation and maintenance of welding schedules.
- Time and associated cost savings for equipment start-up.
- Improved weld lobe development and consistency.
- The system reduces expulsions which minimises maintenance costs.
- Compensation of shunting effects.
- Reduced off-line quality control expenses.
- Easier welding of complex materials such as boron steel, TRIP, dual phase, etc.

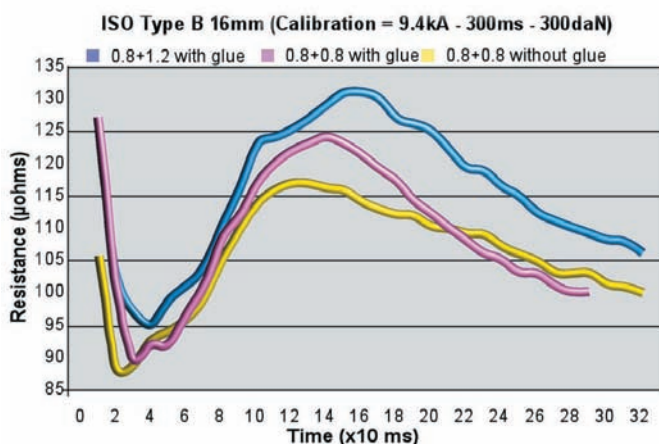
Customer Care

ARO provides world-class after sales service to the many thousands of welding systems supplied over the years, with most providing decades of reliable service. ARO ensures genuine spare parts and expert service are available to all of its markets and supports new equipment commissioning worldwide.



ARO Controls Adaptive Welding

Excellent welds even in the presence of adhesive



Consistently good weld spots

"System adjusts to the thickness and number of sheets to be welded without the need to change the welding schedule."





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