



WELDING TECHNOLOGIES GROUP



Quality without compromise

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about

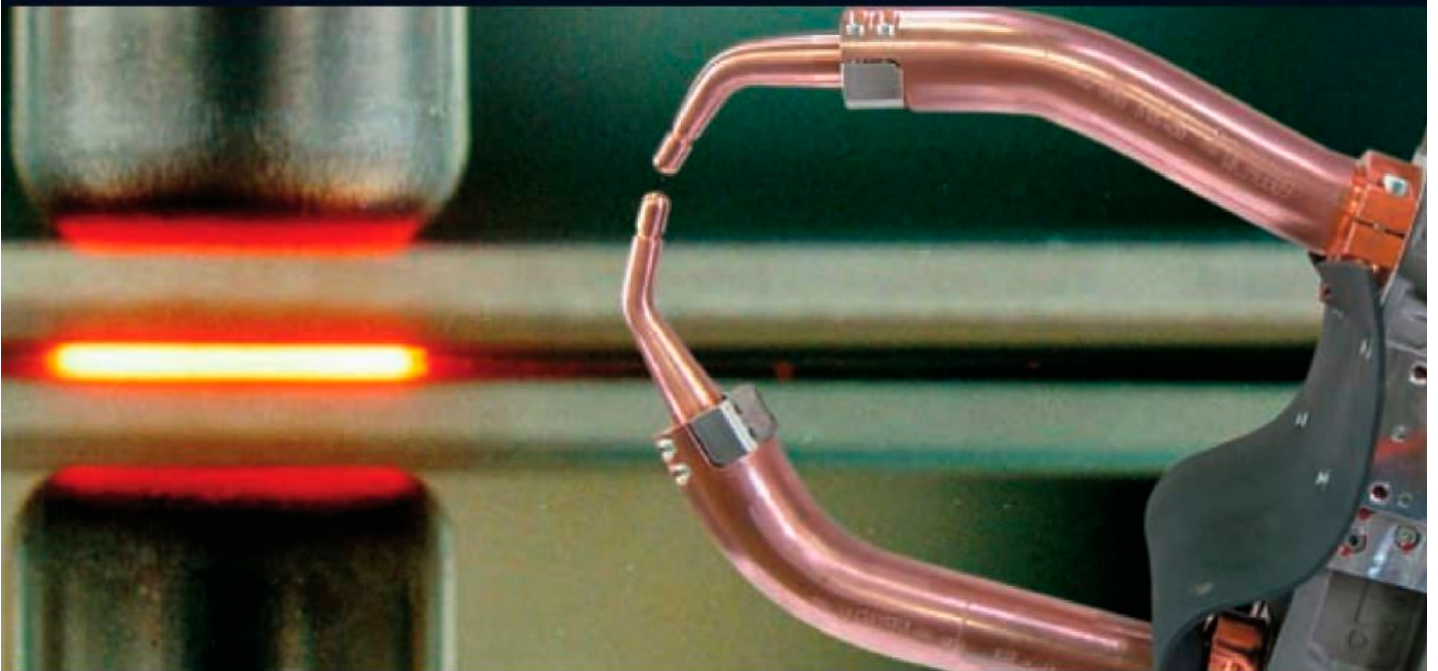


Since the middle of the 20th Century, the name ARO has been synonymous with resistance welding. Today the ARO Welding Technologies group is a world leader in welding equipment and systems to the automotive and other industries.

Widely acclaimed as the leader in its field, ARO technologies are chosen by clients who recognise ARO's superior functionality, reliability and quality are without compromise and for many without equal. Every ARO product is designed to provide the client with the lowest life cycle costs.

Combine this with the highest levels of client support and after sales service available anywhere and it is clear why ARO is widely recognised as the most respected name in resistance welding technology.

ARO is a division of the multi-disciplined UK based engineering group, Langley Holdings plc.



"...ARO's superior functionality, reliability and quality are without compromise..."



technologies



Robotic Welding

The comprehensive range of ARO compact and modular resistance welding guns incorporating integral transformers is revolutionising robotic manufacturing assembly lines. The modular concept offers superior power to weight ratios which can easily be adapted to the clients specific requirements. Since the conception of robotic manufacturing ARO have led the field and continue to do so in the 21st century with the development of the third generation 3G robotic gun which not only reduces life cycle costs but delivers process stability.

Manual Welding

With safety, ergonomics, power, reliability and efficiency all in mind, ARO offers a complete range of modular welding guns. Their easy to handle design allied to their excellent power to weight ratio ensures that this market leading range meets all manual welding applications.

Stationary Welding

ARO produces four families of standard stationary machines designed to meet spot, seam, butt and projection welding applications. All requirements for these four types of welding are easily met by ARO's wide range of options in their world class stationary welding machines.



MBR (Motor Body Repair)

The ARO mobile welding range of products was developed with the automotive MBR (motor body repair) market and automotive prototype build in mind. Flexibility, as well as ARO's renowned reliability, are essential in the workshop environment, and this range has been perfectly adapted to be both multi-functional and cost effective.

Laser Welding

ARO offer a wide range of laser welding and cutting heads that are compatible with the YAG sources available and for power levels up to 10kw. A range of equipment for seam tracking and process control are also available.

ARO Controls

Essential to the efficiency and reliability of any welding process is the control system. ARO offers its own range of controls, transformers, power cabinets and dedicated monitoring software designed to perfectly complement ARO's legendary reliable welding heads. New products are based on the concept of "intelligent" process control, which increases weld quality and reduces quality control costs for clients. Allied to ARO's extensive range of welding guns and machines, this combination of power and process control ensures that ARO resistance welding systems deliver in each and every demanding situation.

"Third generation 3G robotic gun reduces life cycle costs and delivers process stability"



applications



Automotive

ARO supplies resistance welding technology and control systems to the automotive industry throughout the world. ARO systems deliver the reliable and cost effective welding that this industry has to provide to meet its commercial and safety legislative requirements.

The automotive bodywork repair industry is also an important market for ARO products with workshops around the world reliant on the ARO mobile product range. The ARO multi-functional designs and legendary support service have made ARO the welding solution for this market sector.

Manufacturing

With many other manufacturing industries requiring reliable projection, spot, seam and butt welding, ARO products are also to be found in the aerospace, railway and white goods industries.

Wherever metal components need to be joined for manufacture or repair, ARO has the products to deliver safe, efficient, environmentally friendly and most of all reliable welds.



ARO Systems

Only ARO is able to deliver complete turnkey welding systems to their clients. This approach allied to ARO's development of intelligent control systems ensures that weld process control and quality are enhanced.

By researching and anticipating advancements in welding and assembly methods, ARO provides practical and innovative solutions. From conception to completion, high quality product and unrivalled service give peace of mind to this area of a clients business.



"Only ARO is able to deliver complete turnkey welding systems to their clients."



research & development



To meet clients exacting and ever changing requirements, ARO conducts an on going programme of research and development with a focus on product performance, quality and new technologies. Using state-of-the-art computer aided design, and with strong links with academic institutions, ARO is continually developing the field of welding technology.

ARO also runs courses on the science and technology of welding at its centres of competence in France and the USA, and at ARO clients' own locations by arrangement.

global presence



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.

In addition to its own strategically located subsidiaries, ARO also maintains a worldwide network of distributors and representatives to supplement its principal regional markets. Consequently ARO remains close to its clients, wherever they may be.



"...ARO is continually developing the field of welding technology"



service



ARO Service

ARO provides world-class after sales service to the many thousands of welding systems supplied over the years, many of them 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 service engineers further assist clients to expertly optimise and audit their welding operations, and to provide a tailored analysis and technical assistance wherever and whenever it is required.

ARO Parts & Components

The comprehensive range of ARO sub-assemblies and components ensures that existing models can often be repaired and/or modified to meet changing clients' requirements in the field. The range of components includes transformers, cylinders, servo-actuators, secondary conductors, connections, arms, electrodes, motors, and all control and monitoring equipment, together with genuine spare parts to all machines currently in service.



ARO® Rebuild

With so many ARO welding systems in the field giving so many years of excellent service, it can often make sense to re-use ARO equipment again and again. To facilitate this, ARO offers a comprehensive factory rebuild service which ensures that used welding units are thoroughly factory reconditioned and, as appropriate, up-graded to OEM current standards, thereby facilitating many more years of useful service at a fraction of the capital cost of buying new.

ARO® Rebuild is available on both clients machines and from ARO stocks. All units are supplied complete with OEM warranty.

"ARO® Rebuild is available on both clients machines and from ARO stocks."





ARO Welding Technologies SAS

1, Avenue de Tours - BP40161
72500 Chateau du Loir
FRANCE
T +33 (0)2 43 44 74 00
F +33 (0)2 43 44 74 01
E france@arotechnologies.com

ROBOTIC WELDING
MANUAL WELDING
STATIONARY WELDING
MOBILE WELDING
LASER WELDING
ARO CONTROLS
ARO SYSTEMS
ARO® REBUILD
PARTS & COMPONENTS

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The information contained within this brochure is deemed to be correct at the time of going to press. Due to the policy of continued improvement, we reserve the right to change any specification without prior notice. ERRORS & OMISSIONS EXCEPTED.

ARO Welding Technologies Inc

48500 Structural Drive
Chesterfield Township
MI 48051
USA
T +1 (1)586 949 9353
F +1 (1)586 949 4493
E usa@arotechnologies.com

ARO Welding Technologies GmbH

Blücherstraße 135b
86165 Augsburg
GERMANY
T +49 (0)821 797 1980
F +49 (0)821 797 1976
E germany@arotechnologies.com

ARO Welding Technologies SA-NV

Riverside Business Park
55/15 Bd Internationalelaan
1070 Bruxelles/Brussel
BELGIUM
T +32 (0) 2 555 0750
F +32 (0) 2 523 2024
E belgium@arotechnologies.com

ARO Welding Technologies Ltd

Unit 4, Fairfield Court
Seven Stars Industrial Estate
Coventry
CV3 4LJ
ENGLAND
T +44 (0)2476 214 320
F +44 (0)2476 511 502
E uk@arotechnologies.com

AROWeldingTechnologies S.A. de C.V.

43B Sur 4720
Estrella del Sur
C.P. 72190
Puebla, Pue
MEXICO
T +52 222 230 0037
F +52 222 248 2065
E mexico@arotechnologies.com

ARO Welding Technologies S.A.U.

Calle Gavá 71-75
08014 Barcelona
SPAIN
T +34 93 421 2111
F +34 93 432 0190
E spain@arotechnologies.com

ARO Welding Technologies AB

Timotejvägen 7
430 33 Fjärås
SWEDEN
T +46 (0)300 543 988
E sweden@arotechnologies.com

ARO Welding Technologies s.r.o.

Karloveská 63
84104 Bratislava
SLOVAKIA
T +421 (0) 265 440 585/586
F +421 (0) 265 440 587
E slovakia@arotechnologies.com

ARO Welding Technologies (Wuhan) Ltd

District A, Building No19
High Tech Industry Park
430056 Wuhan
CHINA
T +86 27 8447 1353
F +86 27 8447 1351
E china@arotechnologies.com

ARO Welding Technologies Pvt. Ltd

Rivercreast 13 & 14
4th floor, Boat Club Road
Near City Point
PUNE 411001
INDIA
T +91 99 7018 0698
E india@arotechnologies.com



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A Langley Holdings Company