



Innovation in Automation

ar CONTROLS

Our background

AR Controls is a fast turnaround, experienced technology driven company offering its customers significant productivity and quality improvements to their processes while driving down costs and reducing risk.

We have many open working partnerships with some of the world's leading automation companies in sensing, position control, visual inspection, machine safety, auto-ident, robotics, drives and programmable logic control. This gives us the flexibility to offer you the best and most cost-effective solution for your requirements without any "Brand Pressure."

Employing a "Safety First" design and development philosophy for all our solutions gives our customers a measurable reduction in accidents and near misses. This in turn reduces risk and downtime.

Through our unique plant and design training we offer our customers faster ramp-up on new systems and processes and more rapid assimilation of technical competencies for production staff. Using a proven research and development process and a robust project management system we ensure that we minimise the majority of snags during the project life.

In understanding YOUR business and process first and foremost we then ensure that we integrate seamlessly with your needs and business goals. Think of AR Controls as a partner, an extension of your own engineering team to which you outsource projects today and tomorrow.

10 fleet vehicles

24 staff members

16,000 sq ft workshop

Our specialist areas

- Bespoke special purpose machinery
- Flying shears and cutters
- Jigs and fixtures
- Full turnkey robot cells
- Full turnkey welding cells
- Full turnkey material handling cells
- Industrial conveyor systems
- AGV design & build

Robot system

Full Turnkey Solutions



Industrial Automation

Here at AR Controls we can design, build, install and programme the automation of your factory, manufacturing or process plant to improve your production rate through better control. We can help to increase your production rate by reducing the assembly time per product with greater product quality while increasing operator safety and lowering your risk.



Industrial Machine Safety Systems

We design, build, install and commission complete new machine safety systems. We can also give you some practical advice on how we can upgrade your older non-compliant systems to the highest applicable current safety standards. You can then be assured that your machines meet these standards with full supporting documentation provided.



Industrial Control Systems

AR Controls is experienced in designing, building, installing and configuring a wide range of industrial control systems used for industrial process control. Such systems can range from a few modular panel-mounted controllers to large interconnected and interactive distributed control systems with many thousands of field connections.



Visual Inspection & Measurement Systems

At AR Controls, we have a considerable amount of experience in creating customised machine vision solutions using a variety of available brands of 2D & 3D vision sensors, smart cameras and embedded systems for quality control and inspection applications in many different fields: manufacturing, automotive, plastics, semiconductor industries and many more.



Electrical Installation & Maintenance

As industrial electrical engineers, AR Controls provide installation solutions across all sectors of industry catering for installation of bespoke design control systems. Whether a first time installation or ongoing maintenance, if you want to work with professionals and know that your project is in good hands then AR Controls is the right choice for you.



Mechanical Systems & Tooling

AR Controls deliver high quality mechanical systems & tooling solutions to its customers as part of its overall offering in automation and robotic projects. We have a well established history and specialist knowledge in many market sectors, particularly within the automotive sector.



Barcode & RFID Systems

AR Controls has extensive experience in providing track and trace solutions using reliable automatic identification products and has provided solutions using the three most common industrial identification technologies: laser-based scanners for 1D codes, image-based 1D and 2D code readers and RFID readers.



Robot Systems & Upgrades

AR Controls specialise in providing complete robotic systems with many available brands on the market today. Equally we can modify/update your existing robots to meet your changing needs. We can design and build completely new robot systems or build systems using used/refurbished robots to meet your process needs and available finances.



Conveyor Systems & Upgrades

We have a comprehensive range of conveyor technologies and can provide turnkey automated materials handling systems. The project process includes design, installation and commissioning which incorporates integrated controls, machine safety integration and software design.



Drive, Motor & Gearbox Upgrades

AR Controls has extensive retrofit experience, removing old or obsolete AC and DC drive control systems, servo drives and motors and replacing them with new. The requirement to upgrade old or obsolete Inverter control systems is inevitable as down time and instability increases after many years.

Core Services

Control Panel Design & Manufacture

All of our control panels are designed and manufactured to our clients specific requirements. We use mechanical design software which enables the production of visual elements. We also use electrical design software to provide the latest in electrical design.

PLC Systems

AR Controls' engineers have more than 25 years' experience all the leading brands of PLC including Siemens, Rockwell, Omron, Mitsubishi, Beckhoff and Schneider, both legacy and current versions. We can offer very versatile PLC solutions to provide advantages for all requirements. Our solutions provide optimised process control and accurate fast fault diagnosis which is critical for decreasing the amount of downtime in any business.

Bespoke Poka Yoke, Robotic Systems & Manufacturing

With operator friendly equipment, ranging from test and assembly jigs to material handling systems, we are able to produce any equipment to your exact requirements. This can be especially cost effective for businesses with short implementation time and a tight budget. Therefore, our solutions are limited only by the variety of problems that you need solving. We can offer complete robot solutions that will not only improve production efficiency but also provide enhanced safety compliance by limiting operator exposure to hazards.

Machine Safety Systems

AR Controls design, build, install and commission complete new machine safety systems. We can also give you some practical advice on how we can upgrade your older non-compliant machine safety systems to the highest applicable current safety standards.

Turnkey Robot Systems

Our engineers have a significant amount of experience in designing, programming, implementing and installing full turnkey robotic systems from the following manufacturers: Yaskawa /Motorman, ABB, Fanuc, Kawasaki, Universal Robot, Kuka.

We are also involved with gripper design, we can assist you in refurbishing your existing robot system, reprogramming to accommodate new products and processes or perform a full upgrade service.

Conveyor and Material Handling Systems

Our conveyor and material handling systems aim to streamline particularly repetitive tasks, to dramatically reduce waste and increase your company's profitability while maximising production. Our systems are very flexible and easily adapted to new production requirements, allowing continuous development within your facility.



Design office



The team at AR Controls



Our 16,000 sq ft workshop



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