

AUTOTECH

ROBOTICS

*The Independent
Systems House*



Autotech Robotics - The Company



Graham Gilbert

The independent systems house

Autotech Robotics supplies complete system automation solutions, involving many different types of robots, to leading manufacturing businesses in the UK, Europe and North America. These solutions are based on Autotech's substantial experience as an independent systems house, built up since the early 1980s when the company first established a comprehensive research and development programme.



System building

Autotech offers a variety of cost-effective, automated, turnkey manufacturing systems both new and reconditioned. Our modular system-building concept can also be used. This enables short lead-time tailor-made packages to be designed, assembled and commissioned to suit individual customer requirements.



TIG welding cell

Diverse applications

The Autotech modular flexible concept is ideally suited to a complete range of manufacturing applications, and is currently used in welding, glueing, sealing, routing, drilling and assembly processes. Existing applications include businesses in the construction, furniture, automotive, leisure, horticulture and computer sectors. Products as diverse as cement mixers, beds, cash dispensers, car parts and boat anchors are all produced on Autotech systems. The Autotech solution covers efficient work-presentation systems, as well as an extensive choice of robots, process equipment, and ancillary components.

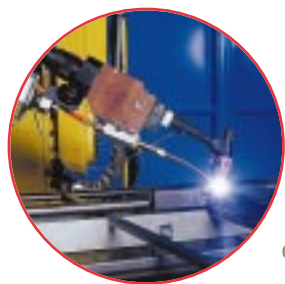


Twin robot MIG welding cell



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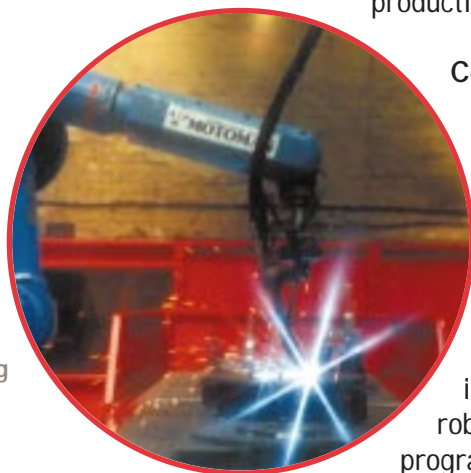
The Systems & The Benefits



TIG welding with cold wire feed

Flexible systems

Autotech systems provide the ultimate flexible solution to system automation. Not only can production processes be changed and mixed to suit customer needs, but single lines can also accommodate a wide diversity of workloads. The systems are designed to underpin flexible manufacturing strategies, extending from small mixed batches to the mass production of a single product.



MIG welding

Coded work-presentation

Jobs on Autotech systems can be designed around our coded work-presentation pallets. The contents of each pallet can be totally different. For example, each can hold either a single, large component or a number of smaller, variable sized ones. Each pallet contains the product identity code which is automatically read by the robot. The robot then selects the appropriate pre-written program and executes the work specified. In this way different jobs can be scheduled in the correct mix to achieve any Just In Time production requirement.

Concurrent activity

All Autotech systems enable the robot to work on one pallet whilst the operator is loading another. Some of the more sophisticated systems can provide an online work queue, to allow unmanned operation. This enhances productivity while speeding payback on investment.

Productivity and reliability

Autotech's robot-based solutions for manufacturing increase productivity, improve and standardise output quality (which can also minimise the need for subsequent operations), reduce the demand for skilled operators, and give greater reliability and ease of use. This provides the ideal solution for difficult environments or unpleasant tasks, combined with the ability to work tirelessly on long shifts.

Flexible manufacturing

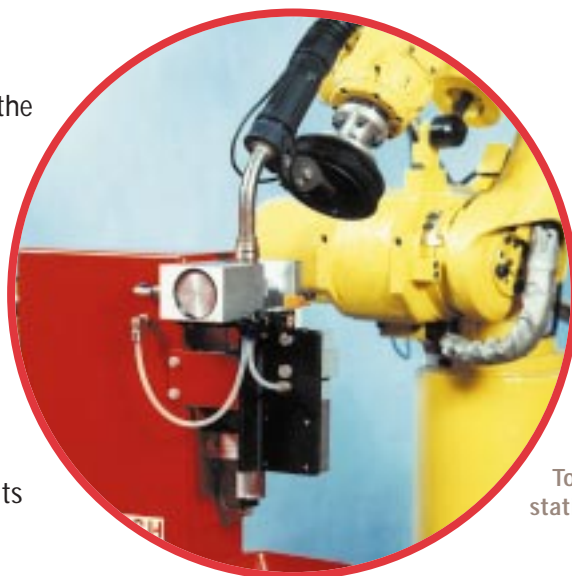
The flexibility of Autotech systems introduces an extra dimension to the manufacturing process, which increases output - the ability to change the product mix without production stoppages. Systems can also be configured for unmanned operation. Autotech's 'Just In Time' production capability minimises stock levels and work in progress, and reduces storage space requirements. Multiple processing on one system can also save considerable materials handling time and effort.

Rapid response

Autotech systems are designed to provide rapid response times to satisfy customer requirements, to make that vital difference between winning or losing the order.

Cost-effective investment

Autotech's experience enables systems to be installed at minimum cost, with a rapid payback on investment.



Torch cleaning station



Automatic laser tool centre point adjustment

The Complete Service



Production build

The complete service

Autotech's service starts right from the initial enquiry. Preliminary investigation into the customer's application is followed by a detailed feasibility study and the production of a system specification. This procedure generally includes practical demonstrations and visits to existing customer sites. This, in turn, enables close attention to customer needs so that a bond of mutual trust is established to ensure a long term relationship.



CAD Design

Comprehensive after-sales support

Autotech provides system design, build, installation, commissioning and a comprehensive after-sales technical support service. New systems always carry a full parts and labour warranty for 12 months, with an option for the customer to extend this facility over a longer period.



Maintenance support

Practical experience

Autotech staff have considerable experience in the use of a wide range of robots, particularly in welding applications. This experience is the result of many years' practical involvement in the business, with a broad base of installed systems in a wide variety of manufacturing environments.

System training

Operator and maintenance training is available for all our systems, including detailed robot programming courses which are individually tailored to the production application and geared to meet the specific experience of each trainee. Continuation training on customers' premises is also available at any time.

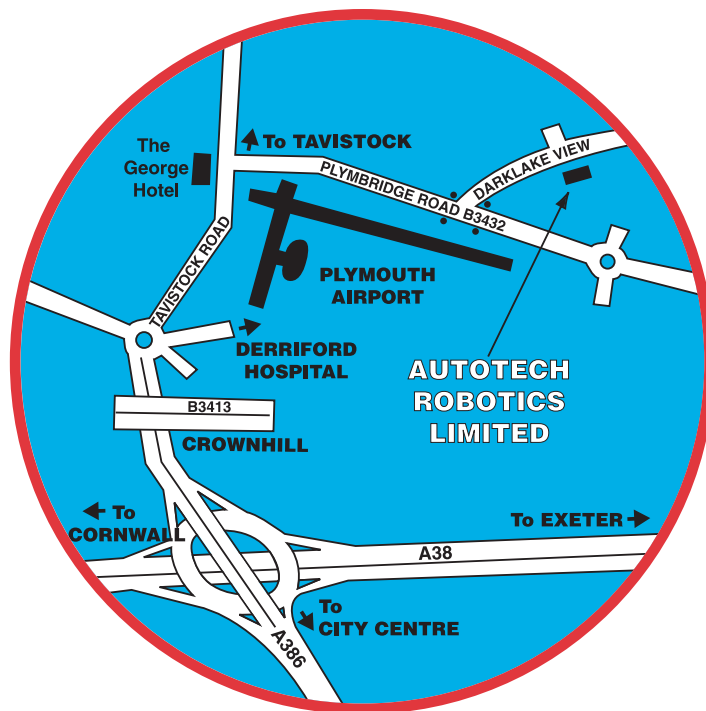
Low maintenance & complete production support

Autotech's modular design concept focuses on ease of maintenance, to ensure high production 'up-time'. This enables many minor maintenance tasks to be quickly handled by the users themselves, with telephone support from Autotech. Complete production support is always available if required on short call-out times. Autotech is totally committed to caring for the precise after-sales needs of each customer. Our strong reputation for service, combined with the high incidence of repeat orders from existing users is the best possible evidence of a satisfied customer base.



Operator training

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