



CTS Automation Ltd

UK Electrical and Mechanical engineering company providing all types of Industrial Electrical Engineering with mechanical support from the initial design to manufacture and installation.

We provide a total turn key solution. We develop quality systems for all types of production environments both nationally and internationally including control panels with PLC systems, Robots, Servo / CNC systems, HMIs, SCADA, S.P.M. / Standard Machines, Pneumatics, Ceramic decorating and manufacturing equipment and machines, Conveyors, Packaging equipment, Test equipment, General control systems for any Industry.

We Provide Electrical panel design and Manufacture with On-site Maintenance and Breakdown support for Blue Chip Organisations world wide.

CTS Automation Ltd also offers Standard Industrial production equipment, Pneumatics, Pick and place, Servo and Robotic systems off the shelf..

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Registered ISO9001/2000 company with the International accreditation board



Company Profile

Founded in 1998 by a team of highly motivated engineers, CTS is a dynamic company built on a solid foundation of proven Engineering skills and electrical engineering experience and expertise. Our company objective is to provide a complete solution to meet our customers requirements from the initial enquiry to final installation, along with the commitment to provide long term support both in the UK and overseas.



Machine Design and Build

For high quality, cost effective solutions for production requirements where standard equipment is not available. CTS believe it is critical to initially produce the optimum process design. The customer's needs and targets are clearly identified, and by using Interactive Systems Engineering to achieve Rapid application and Development we succeed in producing the optimum deign Using 3D modelling and CAD techniques. The process is then developed by our highly qualified team of mechanical, electrical and software designers to produce cutting edge engineering solutions.



Automatic Test Equipment

Our resources offer the high quality precision engineering solutions required for test equipment applications. Challenges, including interfacing with multiple test meters and having 100% tractability / integrity of more than 180,000 readings per hour, have made CTS a leader in the manufacture of test equipment for surface mount components.



Systems Integrator

As a Mitsubishi Service Provider, CTS has access to the latest Mitsubishi product information, technical support and training. This ensures CTS can select the most suitable automation equipment for any application, from the smallest PLC to complete automated production lines.



Chemical Process Development

CTS has considerable experience of developing chemical processes using theoretical models and experimental analysis to arrive quickly at the optimum solution. A detailed knowledge of Finite Element and Finite Difference modelling techniques, coupled with the engineering experience to build chemically resistant automated machinery, has led to significant orders in past years.



Robotics

As reliable, repeatable positioning systems robots can be the key to many automation solutions. CTS has experts in the programming of digital P.I.D. controlled robots and their integration into complex lines. Our experience of linking machinery and SCADA systems enables line information to be collected from networks or the internet. Standard end effectors are also available in electric or pneumatic versions. Our knowledge and use of high speed Vision Systems provides a valuable extra dimension to our integrated packages



Electrical Control Panels

All electrical circuits and panels are designed and built in-house at CTS and comply with all current IEEE and EU directives and standards. The circuits are subjected to comprehensive quality checks prior to functional testing.



Fabrication

With an established record of building chemical process equipment, CTS has gained vast expertise and experience in stainless steel fabrication, which is also applied to the food processing and pharmaceutical industries. Polymer technology, including the machining and welding of materials such as PTFE, PP, PVDF and Viton have been used in applications where electro-chemical reactions lead to highly corrosive working environments.



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