

CUSTOMISED ROBOTIC SOLUTIONS

ABOUT

ICONSYS is a leading UK automation solutions provider and systems integrator, using the latest automation technologies to deliver best-in-class solutions to help our customers achieve their business objectives.

Established in 1987 ICONSYS has an outstanding track record of successfully completed projects. We are specialists in the design, manufacture and commissioning of integrated solutions incorporating multiple variable speed drives, servos, Robotics, PLCs and SCADA with a vast experience of integration to higher business systems. With our extensive Engineering skills and the range of Technologies offered, we can provide and implement solutions successfully across a wide range of Industries.

Assembly cell example

Electrical Panel Designed and
Manufactured at ICONSYS

Complete Mechanical and
Electrical Installation

Vision identification of parts.
Clarification that the process
has completed successfully

Process Equipment
Integration of RIVNUT
SPACNUT, Bowl Feeders etc

Safety risk assessment by
TUV certified engineers

Part transport
Conveyors, Turntables

Remote access support

Robot Cell Mechanical and
Electrical design

Operator and
maintenance training

CE marketing of Cell

Mechanical and Electrical design
of Part holdings fixtures

After sales service
contracts

As an independent integrator, ICONSYS can help identify the most cost-effective robotic solution

As a business we focus on providing customers with an automated solution that will increase production, reduce their production costs and ultimately save them money. As an independent robotic integrator ICONSYS can help you identify the most cost-effective, suitable solution for your application requirements.

Given the flexibility of our in-house design & manufacturing engineers, **ICONSYS** are able to provide Standard robot solutions for every conceivable production scenario. Just some of the Industries and applications covered are detailed below:

Automotive

Welding, gluing, glazing, sealing, fastening, insertion, deburring, assembly

Plastics

Machine tending, post processing, packing, assembly, inspection, palletising

Metals

Machine tending, cutting, forming, welding, material handling, inspection and measuring, surface treatment and finishing

Food and Beverage

Picking, packing, palletising

Standard Robot benefits include

- Improved quality and consistency
- Improved quality of work for employees
- Increased production output rates
- Increased product manufacturing capability
- Reduced material waste and increased yield
- Improved workplace health & safety
- Reduced labour turnover and recruitment cost
- Reduced capital costs
- Save space

EOAT Design

ICONSYS are highly experienced at addressing difficult issues with innovative workable solutions.

Designing tooling to suit your application requirements incorporating:

Standard Parts— Quick delivery of components & spares

Lightweight— Reduce robot wear and maintenance

Rigid—Precise placement

Modular—Easy to adjust and make changes

Durable—long life with lower maintenance

ICONSYS integrate vision systems, bar code readers, Servo and Pneumatic actuators enabling our customers to be able to pick, handle and assemble the most complicated parts.

3D Robotics simulation

Our in-house Robotic team will recreate a complete 3D virtual model of the working environment and the robots themselves. A 3-dimensional simulation offers advantages to both the customer and the robotic team; reducing the costs, as robots can be programmed off-line, eliminating down-time for assembly line. Robot actions and assembly parts can be visualised in a 3-D virtual environment prior to the prototypes are even produced. Ensuring the robot system is running in its trimmest and most efficient configuration.

Independent

Our engineers are able to commission all major standard robotic brands such as: ABB, KUKA, FANUC, Yaskawa and Kawasaki.



ICONSYS are an ABB authorised
Robotic partner

Interested in implementing a customised robot cell into your facility or simply want to know more about it?

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