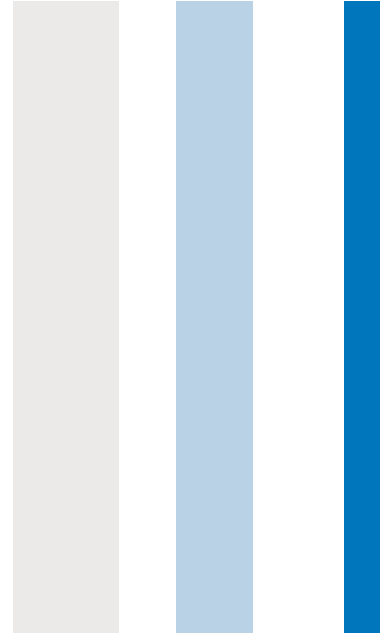
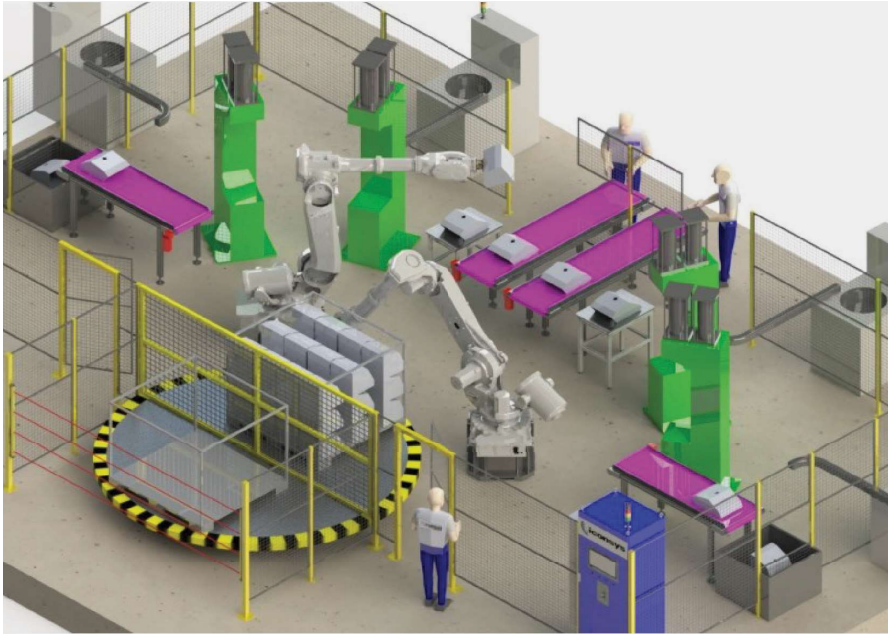


# Customised Robot Solutions



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.

## 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 being produced, ensuring the robot system is running in its trimmest and most efficient configuration.

## Assembly cell example

- Electrical panel designed and manufactured at iconsys
- Complete mechanical and electrical installation
- Process equipment integration of RIVNUT SPACNUT, bowl feeders etc
- Part transport conveyors, turntables
- Robot cell mechanical and electrical design
- After sales service contracts
- Mechanical and electrical design of part holdings fixtures
- CE marketing of cell
- Operator and maintenance training
- Remote access support
- Pneumatic design & installation
- Safety risk assessment by TUV certified engineers
- Vision identification of parts. Clarification that the process has completed successfully
- Increased operator safety
- Decreased manufacturing labour
- Reduced overall costs
- Short implementation times
- Teach by demonstration
- Operational flexibility

Given the flexibility of our in-house design & manufacturing engineers, iconsys are able to provide standard robot solutions for many industries and applications. 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 & 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
- 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.

### Robot care

We have a dedicated team of professional engineers and technical experts solely focused on the first line support for your robot equipment. We offer a wide variety of robot service support from emergency 24/7 breakdown response to planned support of your equipment. The scope of our support can be tailored to meet your specific requirement.

### Independent

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

### Who we are

iconsys is a leading UK automation solutions provider and systems integrator. Well-established and highly respected, we combine innovative technologies with extensive industry knowledge and experience, supporting you throughout the asset lifecycle to enhance the performance of your business.

Our vision is to lead customers into the digital era, through close working partnerships built on trust. We are driven to delivering world-class solutions that inspire change across multiple markets.

Contact iconsys on:

T: 01952 607300

E: [info@iconsys.co.uk](mailto:info@iconsys.co.uk)