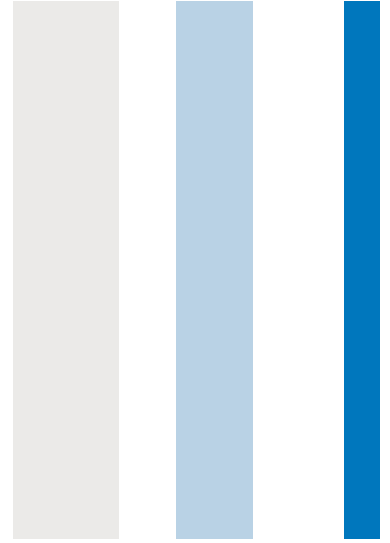
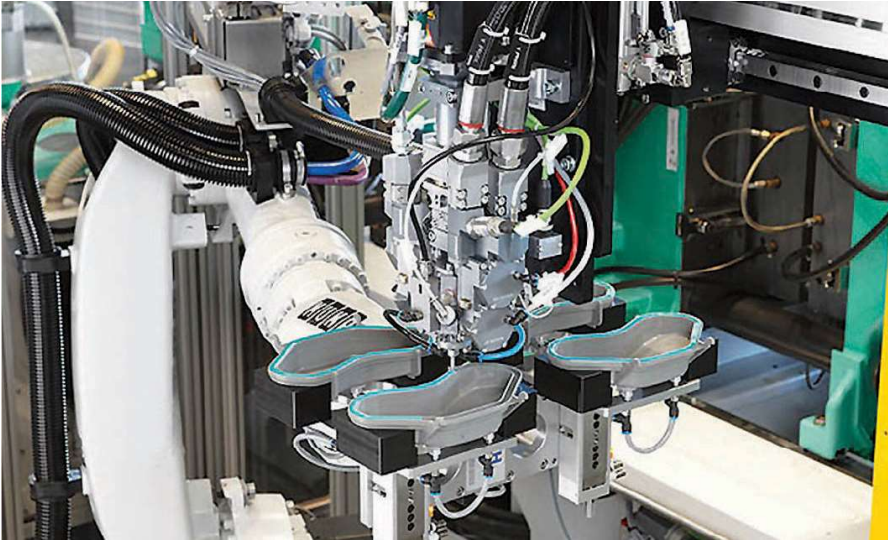


# Injection Moulding Solutions



iconsys work with many of the leading Robot Manufacturers to select the best Robot for your engineered solution.

## 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 3D virtual environment prior to the prototypes being produced, ensuring the robot system is running in its trimmest and most efficient configuration.

### Robot benefits include:

- Safer work environment
- Reduced labour turnover
- Increased production output
- Lower operating costs
- Increased product manufacturing flexibility
- Lower capital investment

### Robot applications include:

- Loading / Unloading
- Degating
- Inserting
- In mould labelling

Robots are ideal for different plastics processing machines, - Injection moulding, blow moulding, and thermoforming.

A glance at the typical applications reveals true robot versatility: insertion of parts in the mould, extraction and palletising of PET bottles, as well as a wide variety of post-process applications such as cutting, gluing, assembly and quality control. Since robots can be floor-mounted, mounted on pedestals or shelf mounted, you still retain maximum flexibility.

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

Given the flexibility of our in-house design and manufacturing engineers, iconsys are able to provide robot tending solutions for many industries and applications. We can take on machine tending projects that are highly customised from the smallest to the largest and in any cell configuration.

Furthermore we offer a comprehensive range of support services whenever you need it.

Our team of engineers are able to commission all major brands – ABB, FANUC, KUKA, Yaskawa, Kawasaki... etc.

## Highest efficiency across the board

The highest efficiency is a criterion that is becoming increasingly more significant when it comes to optimising machines. This is also true for hydraulically driven axes, for example, used in injection moulding machines or presses. In addition to the trend to either partially or completely equip hydraulic machines with electric drives, it also makes sense to optimise the hydraulic units. Our servo pump offers you the perfect solution to do precisely this. It has a high dynamic performance, increases your machine yield & slashes energy costs by up to 70%!



### Your advantages at a glance:

- System with a high dynamic performance
- Can be simply integrated into your machine
- Highest energy efficiency with maximum benefits
- Higher machine yield
- Enormous reduction in noise

### Based on standard components

Built using standard components:

SINAMICS S120 and distributed I/O

With our servo pump you can always rely on well-proven and pretested know-how. This means that you profit from significantly faster and more cost-effective machine.

### Other Services:

- New Drive, PLC and SCADA systems design, installation and commissioning
- New safety circuit design, installation & commissioning
- Electrical panel design, supply and Installation
- Operator and maintenance training
- Service contracts
- Remote Access support

### 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.

## 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.

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