

10 reasons why

DISPENSING ROBOTS

drive manufacturing growth



Benefits of robotics

The benefits of robotics in manufacturing are compelling: improved productivity, efficiency, output, quality, and flexibility. In addition to their production benefits, they can also improve health and safety and job satisfaction for employees.

However, the *International Federation of Robotics World Robot Report* in 2025 found that the UK has a robot density below the global average of 132 robots per 10,000 employees. With just 104 per 10,000 employees, we rank 24th in the world in terms of robot density.

Dispensing robots

Dispensing robots enable the automation of the application of adhesives, potting compounds, encapsulants, sealants, form in place gaskets, temporary masking, lubricants, and other liquids, fluids, and pastes.

Here, we highlight 10 reasons to invest in dispensing robots to improve your manufacturing output and support growth.





Getting started is straightforward with the right supplier

For first-time buyers, selecting, installing, programming, and commissioning a dispensing robot may be challenging.

Choosing a supplier like Intertronics with expertise in both dispensing and robotics gives you a clear path to success.

Our specialists take time to understand your needs and provide training to instill confidence in the operating team.

REASON

1



Robots are affordable

You can actually buy a dispensing robot for as low as £6,000.

A complete installation including enclosures and ancillary equipment typically comes in between £10,000 and £20,000.

For a system that might run day in and day out across a production line, that is a modest outlay - less than the managing director's new car!

REASON
2



REASON

3

ROI

The return on investment can come quickly

Many dispensing robots are offered at a reasonable price point that delivers a short payback period.

Return on investment (ROI) can be achieved in as little as six months, and almost always within two years.

Crucially, the time to value is immediate: from the moment a system is installed and running, the manufacturer benefits from improved throughput, reduced waste, and more consistent output.



Performance can be proven before you commit

A reliable automated dispensing supplier will support tests and trials before any purchase decision is made.

Intertronics operates a Technology Centre in Kidlington where customers can visit and run their own processes on equipment they're considering.

Taking an evidence-based approach to the investment decision removes the guesswork entirely.

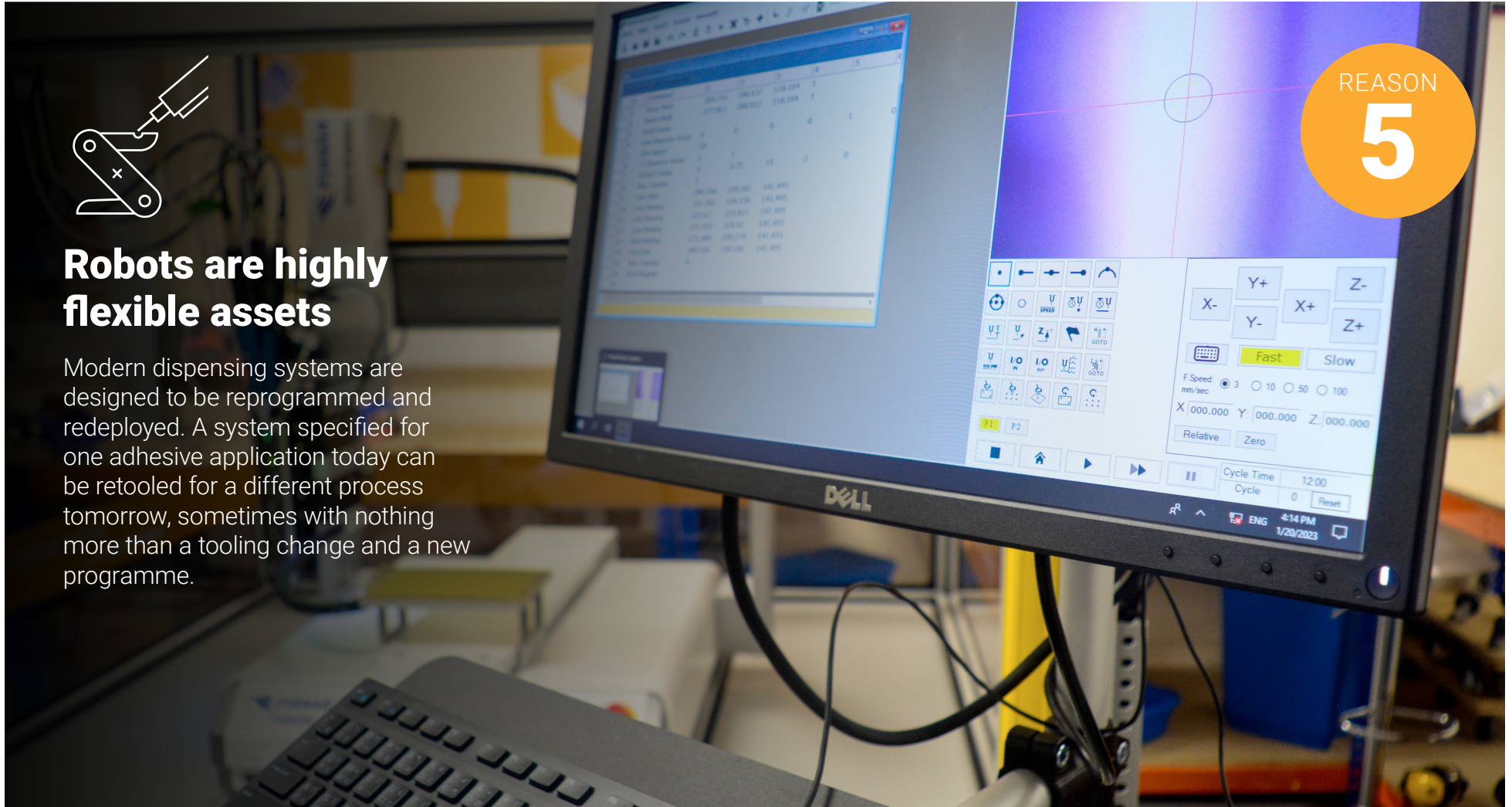
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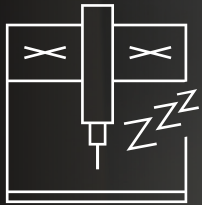


Robots are highly flexible assets

Modern dispensing systems are designed to be reprogrammed and redeployed. A system specified for one adhesive application today can be retooled for a different process tomorrow, sometimes with nothing more than a tooling change and a new programme.



REASON
5



Robots deliver value even when used selectively

Most users do not run their dispensing robots around the clock, and they do not need to. A robot deployed for a single shift, or brought into use for specific batch runs, still delivers the speed and consistency advantages that manual dispensing cannot match.

REASON

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REASON

7



Robots improve health and safety

We provide full safety enclosures as standard so that the risk to the operator is minimal. In most cases, dispensing robots are moving employees out of a repetitive role working with chemicals. In these cases, introducing a robot can improve health and safety by reducing chemical exposure and decreasing the chance of repetitive strain injury.



Robots improve job satisfaction

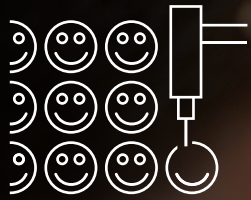
Using robots to automate dispensing tasks, can actually improve job satisfaction by moving workers into more creative and fulfilling jobs.

The 2025 paper 'Human factors in digital manufacturing technology adoption: a workforce perspective' found that workers in manufacturing companies where digital manufacturing technologies (DMTs) have already been implemented reported increased skills, autonomy, and number of interesting tasks, as well as decreased fatigue levels, physical workload, and stress.

REASON

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Robots create jobs

Research published in November 2024 shows that increased industrial robot installation is associated with a reduction in unemployment.

Competitive manufacturers grow, and growing manufacturers hire.

Dispensing robots move people away from repetitive, potentially dangerous tasks and into work that is more skilled, varied, and fulfilling, improving morale, staff retention, and performance.



REASON
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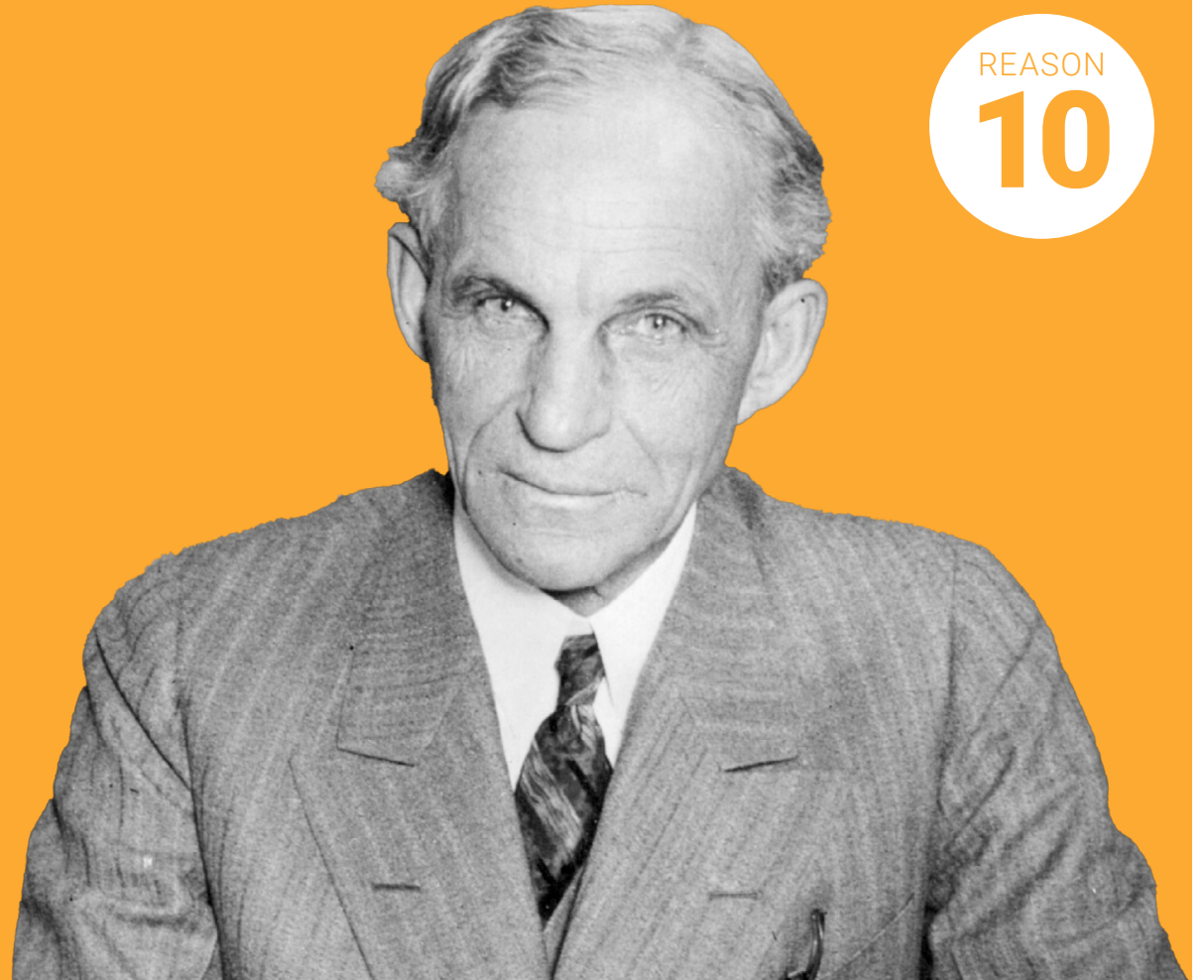
Now! is the perfect time

“If you need a machine and don’t buy it, then you will ultimately find that you have paid for it, but don’t have it.”

Henry Ford

For manufacturers still running adhesive dispensing by hand, the case for automation is not about novelty or scale — it is about repeatability, waste reduction, and building a production process that holds up as volumes grow and products change.

Whilst not every dispensing application will justify automation, if you are facing increasing quality, throughput, or labour challenges, it is worth examining whether a dispensing robot could deliver measurable benefits.



About Intertronics

Intertronics supplies adhesives, coatings, sealants and equipment to customers with high technology, high performance assembly applications. Our customers are manufacturers in industries such as electronics, medical devices, plastics, optical, automotive, energy, defence and aerospace.

We specialise in adhesives and adhesive systems, namely bonding, coating, sealing, encapsulating, potting, masking and gasketing products, together with the most appropriate equipment and accessories for surface preparation, mixing, application, dispensing, and curing them. The provision of insightful technical and applications guidance is a cornerstone of our business. We help you find the optimal materials and processes for the manufacture, assembly or repair of your products, safeguarding and enhancing performance and integrity and, in turn, your profitability and reputation.

Ever since being established in 1979, when our main market was the printed circuit board assembly industry, we have

enjoyed a reputation for customer focus, excellent service and post-sales support. We now supply over 3,000 regular customers, including multinational manufacturers, production facilities, specialist design and development businesses, universities, training organisations and government establishments.

Free e-newsletter

Sign up [here](#) to receive Joined Up Thinking, a regular, simple e-mail containing great ideas for the practitioner of high technology, high performance assembly.

Version Information

This guide was last updated in June 2026 and is based on the best information available at that time.

Contact us

For more information about any of the technology or products described in this guide, please email info@intertronics.co.uk or call 01865 842842.

Complete information on our products is available at intertronics.co.uk

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