

The 10 Myths about **DISPENSING ROBOTS**



Benefits of robotics

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

However, the *International Federation of Robotics World Robot Report* in 2021 found that the UK has a robot density below the global average of 126 robots per 10,000 employees. With just 101 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.

There are a number of myths around the use of robots that could be holding back their uptake.

Here, we'll bust 10 myths about dispensing robots.





MYTH
1

Robots steal jobs

They actually create them — competitive companies grow and employ more people!

According to the *World Economic Forum*, more than half of the world's workplace tasks will be carried out by a machine by 2025. However, while 75 million jobs were predicted to be lost to automation by 2022, a further 133 million would be created.

In addition, robots mean manufacturers can move people out of repetitive and potentially dangerous tasks, and into positions that add more value.



It might unsettle my team

The preconception that robots take jobs means it's vital for businesses to sell the idea of robotics to the workforce and get buy in.

If a manufacturer uses robots to automate dispensing tasks, it can actually improve job satisfaction by upskilling its team and moving workers into more creative and fulfilling jobs.

MYTH

2



4/14





Robots are expensive / price point is inaccessible

You can actually buy a dispensing robot for as low as £5,000. With the addition of enclosures and additional equipment, the cost of the project is typically from £10,000 to £20,000 – it could cost less than the Managing Director's new car!

MYTH
3



MYTH

4

ROI

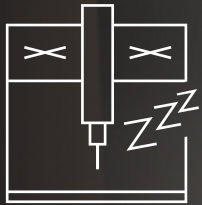
The payback period will be too long

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

Return on investment (ROI) can be achieved in a short time, it could be as quick as six months, and almost certainly within a year or two.

Importantly, they offer an incredibly short time to value. As soon as the robot is installed, the manufacturer can gain value immediately.





I need to run it 24/7

In fact, most people don't run their dispensing robots continuously.

Many robots can be run as and when needed and still deliver value through faster output and better quality.

MYTH

5



7/14





It will be difficult to get going

For those that are yet to install a robot, a common concern is that the installation, set up, and programming will be challenging.

For dispensing robots, look for a supplier who can offer dispensing as well as robot expertise, integrating the two to provide a complete installation, as well as offering the team training on how to set-up, use and maintain the equipment optimally.

MYTH

6



8/14



MYTH
7



It could injure people

We provide full safety enclosures that ensure 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.





It might not work the way I planned

A reliable supplier can help you throughout the process, helping build your confidence and prove the technology works, greatly reducing the risk.

Intertronics operates a Technology Centre in Kidlington, where our customers can run trials and tests to ensure the equipment operates as planned.

MYTH
8



It won't be flexible

Dispensing robots can be offered in a way that means they can be easily reprogrammed and used for something else, so the opportunity to increase ROI is huge. It may be as simple as just adding new tooling!

MYTH
9



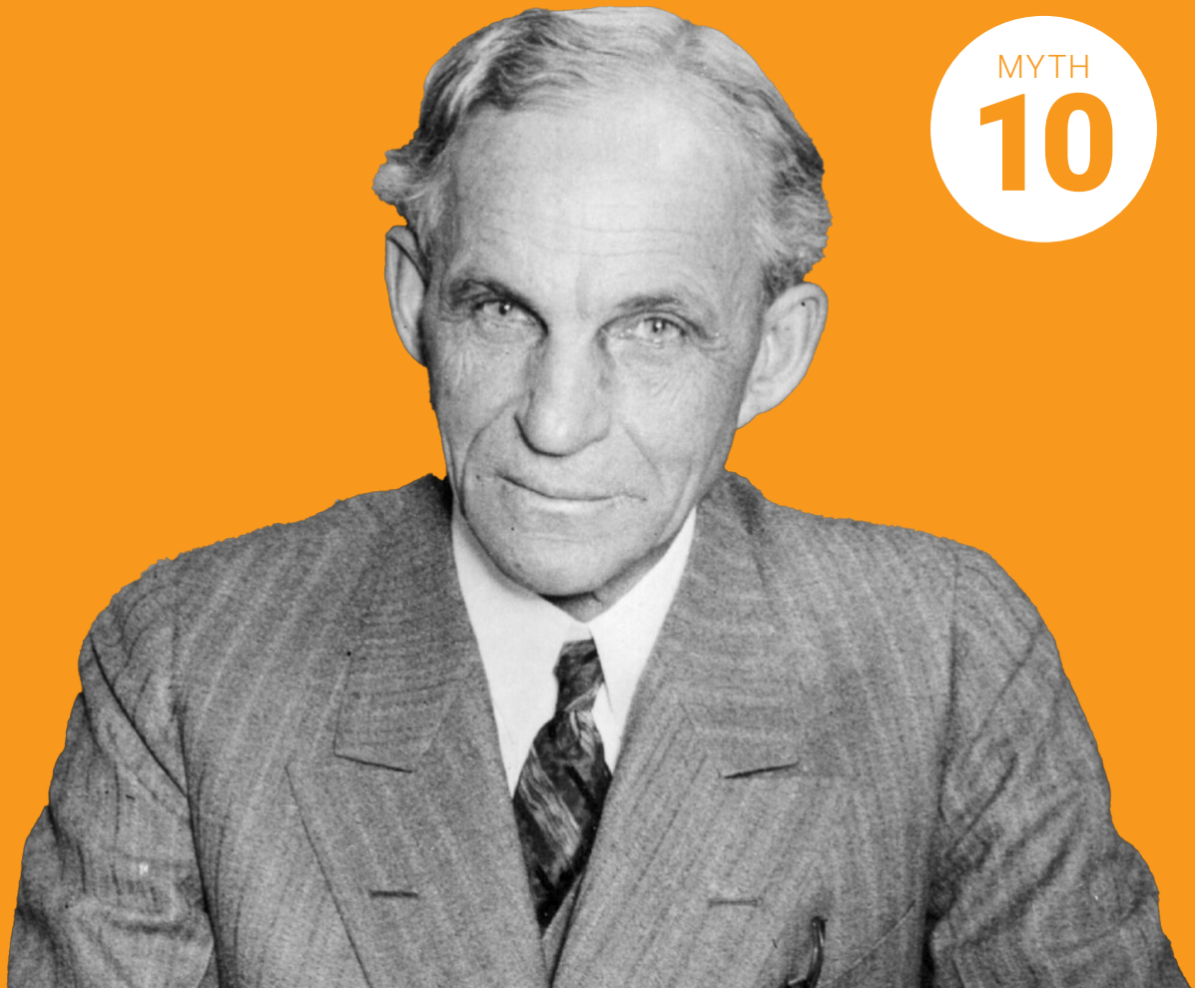
Now isn't a good time

There is never a 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

However, there is a good reason to invest now due to the tax advantages. While the current super deduction tax break for companies investing in qualifying new plant and machinery assets will come to an end in March 2023, it seems certain that there will be a replacement scheme – a move strongly endorsed by leading figures in industry and politics.





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.

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Version Information

This guide was last updated in March 2023 and is based on the best information available at that time. Check [here](#) for updates.



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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