

# Robotic Dispensing System with Volumetric Spray Valve



## Description



Facilitating the semi-automated application of materials onto batch

produced parts, this benchtop **archytas series** system improves production productivity through increased component throughput.

Consisting of a [preeflow eco-SPRAY volumetric dispensing valve](#) mounted onto a [Fisnar F5200N.2 gantry robot](#), this system precisely nebulises and sprays low to high viscosity materials onto parts uniformly and repeatably.

A mounting fixture securely holds multiple components in place during processing. It is fitted with a sensor to detect its presence, avoiding the activation of the spray process until the fixture is loaded in

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correct position. Up to 100 dispense patterns can be stored on the robot, allowing part types to be hot-swapped during production to provide flexibility.

Material is supplied to the system in bulk through a pressurised reservoir tank which allows continuous part processing with minimal downtime. The system can be easily customised to dispense materials prepackaged in syringes or cartridges.

Housed within a free-standing enclosure, the system includes a pair of interlocked doors as well as exterior-mounted controls for operator safety. Enclosures can be custom-designed to suit your production area layout and size.

## Features & Benefits

- Controls mounted externally for easy access during operation

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- Low maintenance volumetric spray valve with easy to clean components
- Multiple program selection enables a flexible batch production process
- Interlocked enclosure protects operators from moving parts
- High level of application accuracy and precision reduces material wastage and part rejects
- System provided fully configured and installed, with training provided to get you up and running quickly

## Applications

The semi-automated dispensing of:

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- Conformal coatings
- Lubricants
- Primers
- Adhesives
- Inks

## Ordering Information

# Robotic Dispensing System with Volumetric Spray Valve



This robotic dispensing system is an example of our [archytas series of robot integrations](#). If you are interested in a similar system, [get in touch with our Technical Team](#) to discuss your requirements.

Supplied by:

**intertronics**

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