

Fisnar F6000 ADVANCE Gantry Dispensing Robots



Description

F6000 ADVANCE Gantry Dispensing Robots are available with work areas up to 1200mm and with a resolution accuracy of 0.02mm. Using the teach pendant, these benchtop gantry dispensing robots support Fisnar's industry-leading dispensing software and can store and retrieve up to 100 programs containing 50,000 points each. They have a three-axis design and are capable of interfacing with any INTERTRONICS dispensing equipment.

Gantry-style robots have all their axes above the work area, making them ideal for larger dispensing applications. They can be mounted on worktables or over conveyor systems or other in-line industrial automation. Utilising a dual linear guide and ball screw mechanism, the F6000 moves along its tracks effortlessly for high repeatability and uses an AC servo motor drive system with closed-loop encoder feedback to achieve precise positioning.

The modular connectivity design of the Fisnar F6000 series offers easy configuration with several add-on productivity accessories such as [Tip Alignment Kit](#), [Height Sensor](#) and [CCD Camera Vision System](#). Our technical team are on hand to help you evaluate and select the most efficient and cost-effective dispensing system for your application as well as support you through the integration of your system.

We can provide complete robotic dispensing systems to include any required [dispensing valves and pumps](#), [material feed reservoirs](#) and [robot safety enclosures](#). Dispensing equipment such as the F6000 can be easily integrated with curing or surface preparation equipment to improve your process.

Our technical team are also able to design custom [dispensing systems](#) on request, please [contact us](#) for a full discussion of your requirements.

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Features & Benefits

- Workspace area up to 800mm x 1200mm
- Suitable for adhesives, coatings, gaskets, potting, filling and shielding applications
- Resolution 0.02mm/axis
- 100 programs memory, 50,000 points per program
- Range of plug and play accessories including Tip Alignment Kit, Height Sensor and CCD Vision Kit
- USB connector allows system updates and program interchange between robots
- Modular connectivity support for add-on accessories
- Performs continuous path and point-to-point motions, including dots, lines, arcs and circles
- Step-and-repeat functions – program one object only for multiple identical object

Applications

- Form-in-place gaskets
- Adhesives
- Potting
- Coating
- Filling

Programming

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Programming the F6000 Series dispensing robot is simple with easy to follow English language instructors. Commands can be entered through a number of ways including a teach pendant, RS232 connection or proprietary PC software (sold separately).



Accessories

A range of [accessories for the FISNAR Advance Series Robots](#) are available:

- [Camera Vision System](#)
- [Tip Alignment kits](#)
- [Height Sensor](#)
- Auxilliary Rotation Axis
- I/O Expansion Module

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Specifications

Specification	F6603N Advance	F6123N Advance
Maximum working area (X/Y/Z)	600 x 600 x 150 mm	800 x 1200 x 150 mm
Maximum speed (X&Y/Z)	800 / 320 mm/sec	800 / 320 mm/sec
Tool load	20 kg	20 kg
Repeatability	+/- 0.02 mm	+/- 0.02 mm
Drive mechanism	Dual Linear Guide / Ball Screw	Dual Linear Guide / Ball Screw
Drive system	AC Servo Motor	AC Servo Motor
Data memory	1 - 100 programs 50,000 points / program	1 - 100 programs 50,000 points / program
I/O signals	8 inputs / 8 outputs	8 inputs / 8 outputs
External interface	USB / RS232	USB / RS232
Power supply	220-240 VAC	220-240 VAC

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Specification	F6603N Advance	F6123N Advance
Dimensions (WxDxH)	1220 x 957 x 682 mm	1420 x 1557 x 682 mm
Weight	117 kg	162 kg
Approvals	CE, RoHS, WEE	CE, RoHS, WEE

Other Information

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Achieving ROI with robotics – a roundtable discussion

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.

To explore the UK’s productivity puzzle and discuss how the UK’s manufacturers can achieve ROI on their robot purchases, we brought together our team and a leading robotics expert.

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[The 10 Myths about Dispensing Robots](#)
Are any of these misconceptions about dispensing robots holding back your productivity?

Ordering Information

Part number	Description
FIS F6603N ADVANCE-220	F6000 Advance Series Gantry Robot - 600 x 600 x 150mm
FIS F6123N ADVANCE-220	F6000 Advance Series Gantry Robot - 800 x 1200 x 150mm

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Part number	Description
FIS F6000N-WIN	Windows® software package

Let's start by talking about your application

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orders@intertronics.co.uk

- Name*
- Company*
- Phone*
- Email*
- Post code*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

-
- Tell us about your application

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Any information that you submit using this form will be processed according to our [privacy policy](#).

Comments

This field is for validation purposes and should be left unchanged.

Supplied by:

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