Fisnar F9000 Series Cantilever and Gantry Dispensing Robots

Description

The **Fisnar F9000 Series** gantry dispensing robots are high power, servo driven, gantry and cantilever style cartesian dispensing robots. Standard models are available with working areas up to 800mm x 600mm, but larger models up to 7,000mm x 7,000mm can be produced as per your requirements. These gantry dispensing robots use ball screw transmissions to ensure high repeatability. Programming of the F9000 series robots is by teach pendant. Resolution of the series is 0.01mm.

The F9000 Series Dispensing Robots can be used with conveyor operations requiring a cartesian gantry robot, and are also competitively priced for bench applications which require XYZ movement above the work. The robots are available as three- and four-axis designs and are fully interpolated in all axes.

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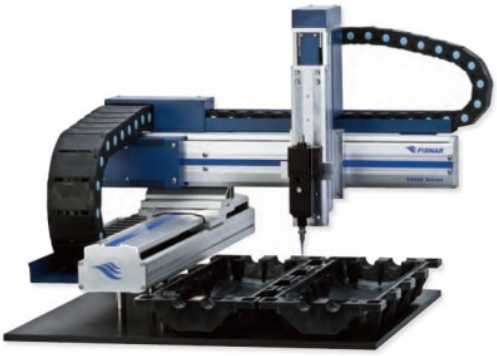
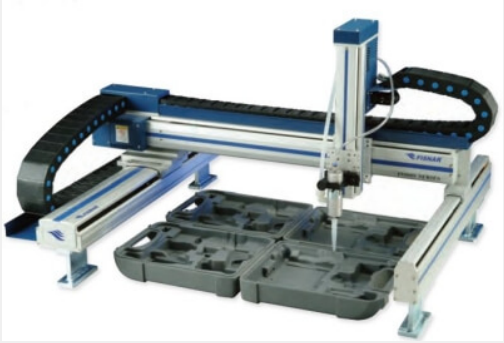
Fisnar F9300N – 3 Axes Servo Cantilever Dispensing Robot

Cartesian gantry industrial robots are high power servo driven dispensing robots built for durability and high performance. The robot motion is above the work making the gantry robot suitable for in-line conveyor robotic assembly operations. The **F9300N** is the entry level 3 axis model dispensing robot in the series.



Fisnar F9600N – 3 & 4 Axes Servo Gantry Dispensing Robots

The **F9600N** is the next sized industrial robot in the gantry robot series with a larger working area. The F9600N is a popular choice for many spray valve applications where freedom of movement around the part is essential, such as in coating and paint spray work.



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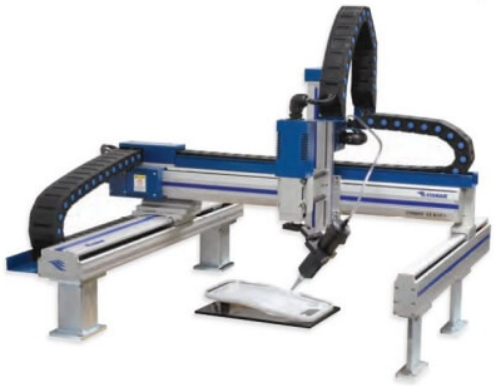
Fisnar F9800N – 3 & 4 Axes Servo Gantry Dispensing Robots

The largest stock sized gantry robot in the Fisnar F9000 automated dispensing series – the **F9800** design is modular and larger sizes can be quoted upon request. Fisnar F9800 cartesian robots are suitable for gaskets, potting, filling, shielding and spraying.



Features & Benefits

- Robust ball-screw servo motor drives
- Resolution 0.01mm
- Performs continuous path and point-to-point motions
- Self contained controller functions
- Software tip alignment
- Step-by-step repeat function
- Optional barcode scanning software

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Applications

- Form-in-place gaskets
- Adhesives
- Potting
- Solar junctions
- Stringers
- Coating
- Frame sealing
- Filling

Specifications

Specification	F9300N	F9600N	F9800N
X/Y/Z Working Area (mm)	300/300/200	600/600/200	800/600/200
Dimensions WxDxH (mm) - Manipulator	679x696x505	979x1022x505	1179x1022x505

Fisnar F9000 Series Cantilever and Gantry Dispensing Robots

Specification	F9300N	F9600N	F9800N
Dimensions WxDxH (mm) - Controller	368x302x160	368x302x160	368x302x160
Weight - Manipulator	29kg	37kg	40kg
Weight - Controller	9.5kg	9.5kg	9.5kg
Maximum Load	7.0kg		
Maximum Speed X/Y/Z (mm/sec)	1000/1000/500		
Repeatability (mm/axis)	+/-0.02mm/axis		
Resolution (mm/axis)	0.01 mm/axis – (R)Axis 0.05°		
Program Capacity	3000 steps/program 3000 points/program 100 programs		
Data Memory Type	2Mb battery backup SRAM		

Fisnar F9000 Series Cantilever and Gantry Dispensing Robots

Specification	F9300N	F9600N	F9800N
Processor	32/16*2 Bit DSP 100MHz / 40MHz 900Mflops/40Mips		
Drive System/Motor	Full digital AC servo		
Motion Control	PTP, CP		
Linear/Circular Interpolation	3 axes		
Teaching Method	Teach Pendant		
I/O Signals	System I/O 16/4 User I/O 8/8		
External Interface	RS232C		
Power Supply	1ø AC220V		
Working Temperature	0 ~ 40° C		
Relative Humidity (no condensation)	20 ~ 90%RH		

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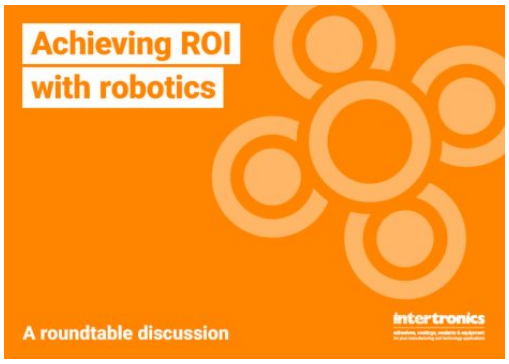
Other Information

	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 andsafety 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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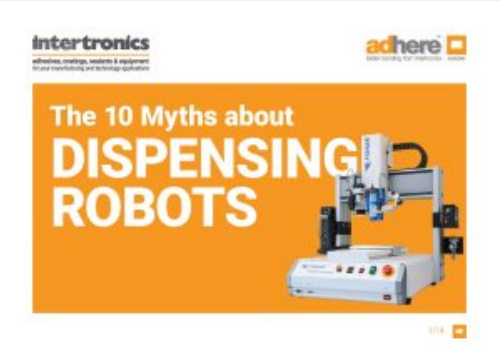	The 10 Myths abour Dispensing Robots Are any of these misconceptions about dispensing robots holding back your productivity?

Ordering Information

Part number	Description
FISF9300N	F9300N Robot 3-axes 220V working area 300X300
FISF9600N	F9600N Robot 3-axes 220V working area 600X600

Fisnar F9000 Series Cantilever and Gantry Dispensing Robots

Part number	Description
FIDF9604N	F9604N Robot 4-axes 220V working area 600X600
FISF9800N	F9800N Robot 3-axes 220V working area 800X600
FISF9804N	F9804N Robot 4-axes 220V working area 800X600
FISDC100	Precision Dispense Controller
FISF9000N-WIN	Windows software package
All robots include: Teaching pendant, bracket mounting plate, I/O connectors, operating manual	

Let’s start by talking about your application

Fisnar F9000 Series Cantilever and Gantry Dispensing Robots

 01865 842842	 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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