

F4000 Advance Series

5 Axis Robot

Fisnar F4000 Advance 5-axis desktop robot provides both a rotational vertical (B) axis and horizontal (U) axis for applying adhesives and sealants on curved, vertical, or difficult to reach applications.

The F4000 proprietary robot software is user friendly and enables the creation of complex dispensing routines (dots, lines, circles, arcs and fills) that can be set up and operational in just minutes.

The 5-axis simultaneous positioning is also ideal for dispensing around ledges, lips, and inside channels with form-in-place gasketing materials or staking / ruggedizing electrical components on a PCB with a silicone RTV material.

The F4000 Advance can be supplied individually or as a complete stand alone machine system by integrating into a safety enclosure.**



Features:

- Integral tip position adjustment routine
- USB port for data transfer and back-up
- Program selector switch and fluid purge button
- True 3D interpolation and simultaneous motion control
- Modular connectivity design for the simple installation of productivity enhancement tools

Benefits:

- High positional accuracy improves dispense results
- Proprietary user-friendly robot software allows programs to be easily and quickly set up using the teach pendant or PC
- Increased productivity due to faster cycle times and less rejects.

Specifications:

	F4505
Max Working Area (X / Y / Z)	500 / 500 / 150 mm (20 / 20 / 6")
Max Working Area (R)	+/- 360°
Max Working Area (U)	+ 45° - -45°
Worktable Load	10kg (22lb)
Tool Load	1kg (2lb)
Max Speed (X & Y/Z)	800 / 320 mm/sec (31/ 13" / sec)
Max Speed (R)	720 deg / sec
Max Speed (U)	45 deg / sec
Repeatability	0.3mm*
Data Memory	1-99 Programs. 1-50,000 points per program
Drive System	3-phase micro-stepping motor
Motion Control	PTP & CP
I/O Signals	8 inputs, 8 outputs
External Interface	USB & RS232
Power Supply	Auto-switching AC100-240V, 320W
Dimensions (W x H x D)	860 x 1065 x 752 mm (32 x 42 x 30")

* Repeatability value will vary depending on measurement method ** Required to conform with European CE safety regulations (Machinery Directive 2006/42/EC)

FREE Process Evaluation Video

Not sure how our equipment will perform with your product? The simplest way to see what Fisnar robots can do for your application is with a free video trial of the dispense process. You'll get a first-hand look at the process to ensure everything works to your expectations.

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