

F4000 Advance Series

Dual Table Robot

F4000 Advance dual table benchtop robots are designed to ensure precise fluid placement and positioning.

The unique dual table design allows for high speed manufacturing due to the elimination of part changeover and loading time. This is made possible with the removal of finished parts and the loading of new parts on the fixture of one table, while the other table is being processed by the robot.

Furthermore, the dual-table design provides users the option to carry out two different dispensing routines sequentially, thus eliminating the requirement for batch production.

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



Features:

- Unique dual table design for high speed manufacturing
- USB port for data transfer and back-up
- Program selector switch and fluid purge button
- True 3D interpolation and simultaneous motion control
- Modular connectivity feature

Benefits:

- Dual table design increases production rates
- Independent control of each table
- High positional accuracy improves dispense results
- Proprietary user-friendly robot software allows programs to be easily and quickly set up using the teach pendant
- Increased productivity due to faster cycle times and less rejects

Specifications:

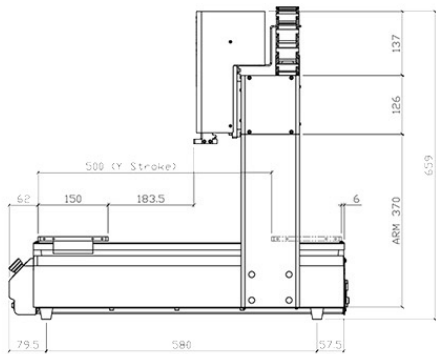
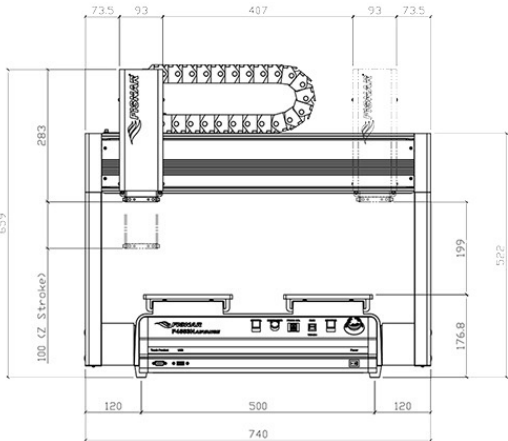
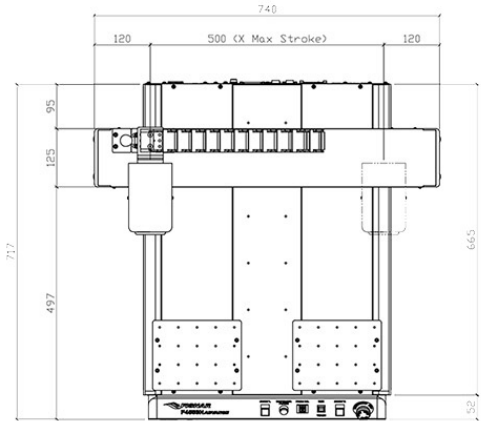
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Working Area (X/Y/Z):	500 / 500 / 100 mm (20/20/4")	500 / 500 / 150 mm (20/20/6")
Max Working Area (R)	-	+/- 360°
Worktable Load:	10kg (22lb)	
Tool Load:	5 kg (11lb)	
Maximum Speed: (X & Y / Z)	800 / 320 mm / sec (31 / 13")	
Maximum Speed (R)/ Tool:	-	720 deg / sec
Repeatability:	+/- 0.008 mm*	
Data Memory:	1-99 programs 1-50,00 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)	740 x 659 x 717 mm (30 x 26 x 28")	740 x 916 x 717 mm (30 x 36 x 28")
Weight:	52 kg (115 lb)	56 kg (123 lb)
Approvals:	CE, RoHS, WEEE	

* 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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