

# F4000 Advance 5-Axis Robot

Fisnar F4000 Advance 5-axis benchtop 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.\*

*\*Required to conform to European CE safety regulations (Machinery Directive 2006/42/EC).*



Item Number	Description
F4505N	5-Axis Robot - 500x500x150 mm Work Area

## 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

# F4000 Series 5-Axis Robots

## Specifications

<b>Item Number</b>	F4505N
<b>Maximum Working Area X/Y/Z</b>	500 x 500 x 150 mm (20 / 20 / 6")
<b>Max Working Area (R)</b>	+/- 720°
<b>Max Working Area (W)</b>	+/- 70°
<b>Maximum Speed (X&amp;Y/Z)</b>	800 / 320mm / secs (31 / 13" / secs)
<b>Maximum Speed (R)</b>	720° / secs
<b>Maximum Speed (W)</b>	360° / secs
<b>Work Load</b>	10 kg (22 lb)
<b>Tool Load</b>	1 kg (2.2 lb)
<b>Repeatability</b>	+/- 0.008 mm**
<b>Motion Control</b>	PTP & CP
<b>Drive System</b>	3-phase micro stepping motors
<b>Data Memory</b>	1-99 programs   1-50,000 points / program
<b>I/O Signals</b>	8 inputs / 8 outputs
<b>External Interface</b>	USB / RS232
<b>Power Supply</b>	Auto-switching AC 100 - 240 VAC, 320 watts
<b>Dimensions (W/D/H)</b>	860 x 752 x 1,065 mm (34 x 30 x 42")
<b>Weight</b>	69.5 kg (153 lb)
<b>Approvals</b>	CE, RoHS, WEE

\*\*Repeatability value will vary depending on measurement method.

### F4505N

