

F4200N.2 Compact Benchtop Robot

The F4200N.2 is a compact, ergonomic, and economically priced benchtop robot, to support most light-duty entry level dispensing applications which require a high performance standard.

Programming the F4200N.2 robot is simple using the included teach pendant and user-friendly proprietary software. This allows a sophisticated dispensing operation to be created and operational in minutes

The optional automatic tip-alignment and height detect device further improve machine performance by increased productivity and process control.

The F4200N.2 robot 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).*



Features

- Work area 200 x 200 mm
- Axis repeatability 0.02 mm
- High resolution 0.001 mm
- USB port for data transfer
- RS232 port for remote operation
- Modular Connectivity Interface

Benefits

- Small robot footprint increases operator work space environment
- Low cost system justifies expense (ROI) of automating a manual dispense process to improve process quality and control
- Proprietary offline robot PC software allows for basic programming, editing of robot programs plus a CAD import utility tool

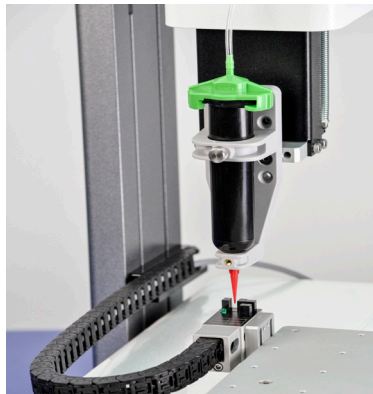
Optional Productivity Accessories

Mechanical Tip Alignment



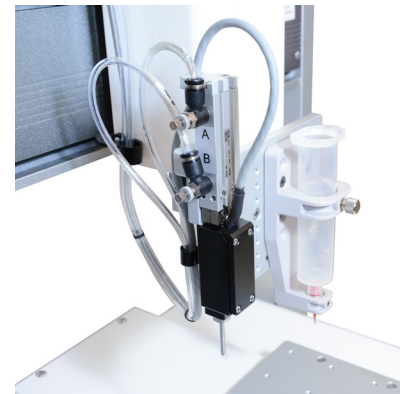
Item Number TA360U-KIT

Automatic Tip Alignment



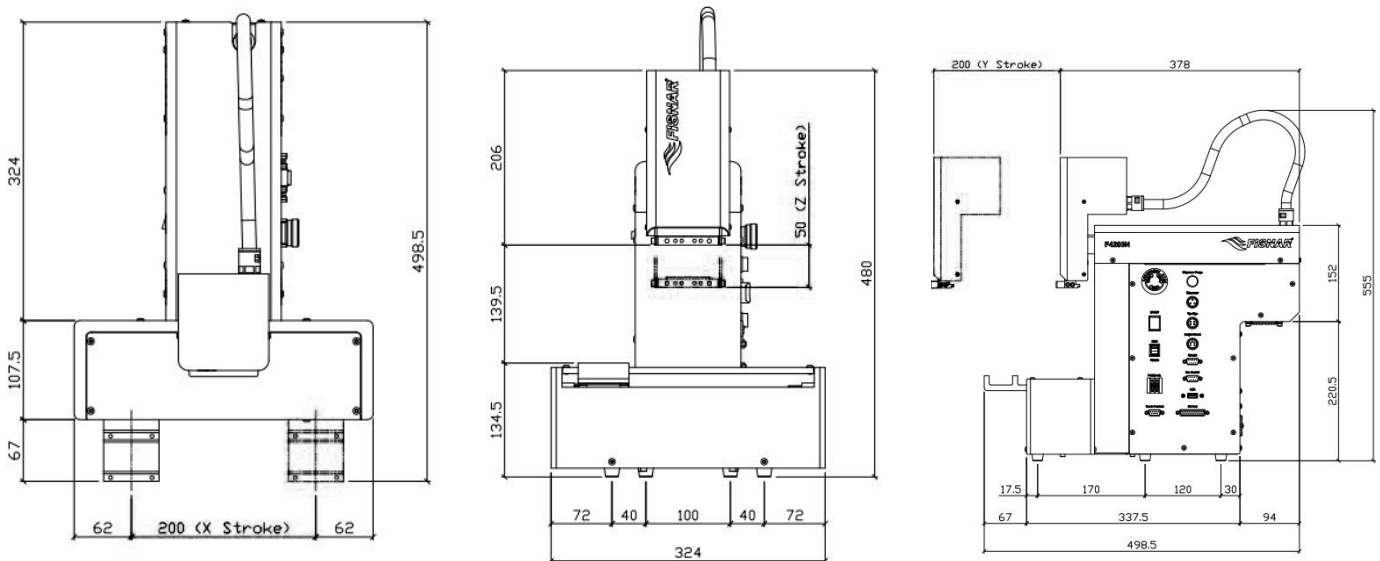
Item Number TA4200N.2

Height Sensor



Item Number F4000AKIT-HDS

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Specifications

Item Number	F4200N.2
Working Area X/Y/Z	200 x 200 x 50 mm
Maximum Speed (X&Y/Z)	500 / 200 mm / secs
Work Load	3 kg (7 lbs)
Tool Load (Z-Axis)	2 kg (4 lbs)
Repeatability	+/- 0.02 mm / axis
Resolution	0.001 mm / axis
Motion Control	PTP & CP
Drive System	Micro stepping motors
Data Memory	1-100 programs 50,000 points / program
I/O Signals	8 inputs / 8 outputs
External Interface	USB / RS232
Power Supply	Auto-switching AC 100 - 240 VAC, 320 watts
Dimensions (W/D/H)	324 x 499 x 480 mm (13 x 20 x 19")
Weight	17 kg (37 lb)
Approvals	CE, RoHS, WEE

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