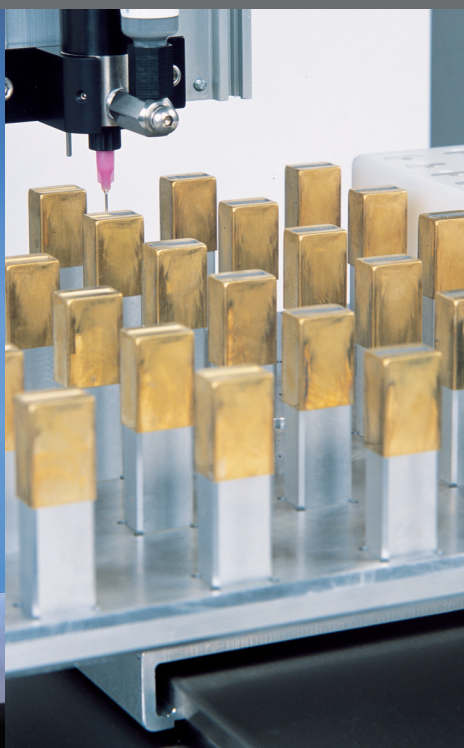




DISPENSING ROBOTS



3-Axis Robot



4-Axis Robot

Dispensing Robots

EFD's range of multi-axis systems and in-line dispensing arm offer reliable operation with excellent repeatability for dispensing adhesives and sealants in gasketing, bonding, molding and sealing applications.

The multi-axis systems are true three- and four-dimensional motion control systems that allow easy programming of dots, stripes, arcs, compound arcs and patterns on different planes.

EFD's in-line dispensing arm offers the flexibility of working as a key part of an automated solution or a stand-alone system. A built-in sequencer allows easy integration of the dispensing arm into in-line transfer systems, rotary tables and palletizing solutions.

The units set up quickly and are easy to run, providing more time for other projects while increasing product yield.

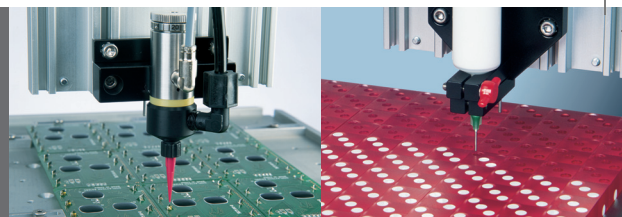
Features and Benefits

- Easily programmed
- Produces more parts and reduces process time
- Height sensor for critical deposit control
- Fully integrated positioning and dispensing functions



Please contact your local EFD Sales Representative for information regarding our robots.

DISPENSING ROBOTS



In-Line Dispensing Arm

Applications:

Dam and Fill
Dots
Gasketing
Patterns
Underfills

For use with:

Adhesives
Conformal Coatings
Cyanoacrylates
Greases
Paints
Reagents
Sealants
Solder Pastes
Solvents

Features	SPECIFICATIONS					
		2200	2300	2400	2500	4400
Moving Range	X/Y	200/200 mm	300/320 mm	400/400 mm	510/510 mm	J1(90°)+J2(150°) @440 mm
	Z	50 mm	100 mm	150 mm	150 mm	100 mm
	R	360°	360°	360°	360°	360°
Work Piece Payload		7 kg	11 kg	11 kg	11 kg	n/a
Tool Payload		3.5 kg	6 kg	6 kg	6 kg	5 kg
Max. Speed		500 mm/sec	800 mm/sec	800 mm/sec	800 mm/sec	1300mm/sec @max load
Unit Weight		18 kg	35 kg	42 kg	42 kg	41 kg
Dimensions	Width	320 mm	560 mm	584 mm	584 mm	290 mm
	Depth	377 mm	529 mm	629 mm	629 mm	858 mm
	Height	536 mm	649 mm	799 mm	799 mm	MAX 840 mm
Drive System		5-Phase Stepping Motor	5-Phase Stepping Motor	5-Phase Stepping Motor	5-Phase Stepping Motor	5-Phase Stepping Motor with Encoder
Program Capacity		100	100	100	100	100
Point Capacity		6,000	6,000	6,000	6,000	6,000
General Purpose I/O		16 Inputs/ 16 Outputs	16 Inputs/ 16 Outputs	16 Inputs/ 16 Outputs	16 Inputs/ 16 Outputs	25 Inputs/ 25 Outputs
External Communications		RS232-C	RS232-C	RS232-C	RS232-C	RS232C 3 Ch
Drive Method		PTP and CP	PTP and CP	PTP and CP	PTP and CP	PTP and CP
Dispensing Controller		External	External	External	External	External
Current Consumption		200VA	200VA	200VA	200VA	200VA
Power Source		Dual-voltage	Dual-voltage	Dual-voltage	Dual-voltage	Multi-voltage
Height Sensor	Standard	No	No	No	No	No