

In-line Dispensing Arms

Adhesives Conformal Coatings Cyanoacrylates Greases Paints Reagents Sealants Solder Pastes



Nordson EFD's SCARA in-line dispensing arms provide the flexibility to work as stand-alone systems or as key components of an automated dispensing solution.

Preconfigured I/O connections permit easy integration of EFD syringe or valve-based dispensing systems, while a built-in sequencer simplifies installation of the dispensing arm on in-line transfer systems, rotary tables or pallet assembly lines.

Features

- Easy to program - Dedicated dispensing software eliminates the need for complex robot language programming
- Programmable interface via teach pendant or PC (dispensing and CAD download software included)
- Compact size and built-in sequencer permit easy integration into automated assembly lines
- Rugged and reliable construction
- Compatible with all EFD syringe, valve and jet dispensing systems
- Ideal for both stand-alone and automated operations
- Complimentary process evaluation by experienced fluid dispensing experts
- Samples processed for customer evaluation and approval prior to purchase

Benefits

- Precise fluid placement, accuracy and repeatability
- Higher production yield
- Better product quality and reliability
- Easy drop-in dispensing solution for in-line applications
- Cost-effective automation

Applications (3 & 4 D)

- Dots
- Lines
- Potting
- Dam & Filling
- Underfilling
- Encapsulation
- Sealing
- Coating
- Jetting



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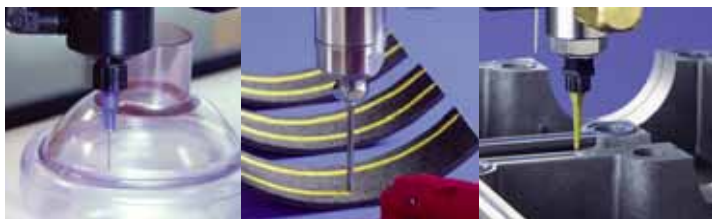


In-line Dispensing Arms

Easy to program and set up, Nordson EFD's SCARA in-line robot systems are ideal for use with in-line conveyors, or products with heavy or high profiles.

Small Footprint	Compact all-in-one structure with built-in control unit
Energy-saving	Eco-friendly function minimizes power consumption
Smooth Movement	Pulse motor and micro-step drive control
Flexible Interface	(3) RS-232C (one for PC) (1) RS-422C for teaching pendant (2) I/O
Simple Teaching	Software allows user to "teach" robot easily, or create original programs
Enhanced Memory	Stores up to 255 programs and 30,000 points
Simple Sequencer	Built-in simple sequencer functions independently, provides up to 1,000 steps

	SPECIFICATIONS	
Features	4400	
Moving Range	X/Y	J1(90°)+J2(150°) @440 mm
	Z	100 mm
	R	360°
Work Piece Payload	na	
Tool Payload	5 kg	
Max. Speed	1300mm/sec @max load	
Unit Weight	41 kg	
Dimensions	Width	290 mm
	Depth	858 mm
	Height	MAX 840 mm
Drive System	5-Phase Stepping Motor with Encoder	
Program Capacity	255	
Point Capacity	30,000	
General Purpose I/O	25 Inputs/25 Outputs	
External Communications	RS232C 3 Ch	
Drive Method	PTP and CP	
Dispensing Controller	External	
Current Consumption	200VA	
Power Source	Multi-voltage	



Models

SR4403	7012481	SCARA, 3 axes
SR4404	7012482	SCARA, 4 axes

Multi-axis Dispensing Robots

Nordson EFD also offers an extensive line of multi-axis dispensing robots for precise placement and consistent dispensing with EFD syringe barrel and valve systems. Platforms range from 200mm x 200mm all the way to 500mm x 500mm, making them an ideal solution for batch processing and critical dispensing applications.

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