

E Series Automated Dispensing Systems

Easy automation for precise fluid application with Teach Pendant programming



Nordson EFD's E Series automated systems are configured for precise fluid dispensing using EFD syringe barrel and valve systems.

The E Series relies on an easy-to-use Teach Pendant for programming. True three-dimensional motion control allows easy programming of dots, lines, circles, arcs, and compound arcs.

Platforms range from 200 x 200 mm to 620 x 500 mm, making them an ideal solution for batching or critical dispensing applications.

The E Series can work as a standalone system or as a key part of an automated solution and is easily integrated into in-line transfer systems, rotary tables, and pallet assembly lines.

Features

- Simplified setup and programming via Teach Pendant or file importation
- True, three-dimensional motion control
- Rugged, reliable construction and small footprint
- Wide range of work envelopes

Benefits

- Faster cycle and batch times
- Easy integration into any manufacturing operation
- Reduced production, material, and ownership costs
- New manufacturing opportunities

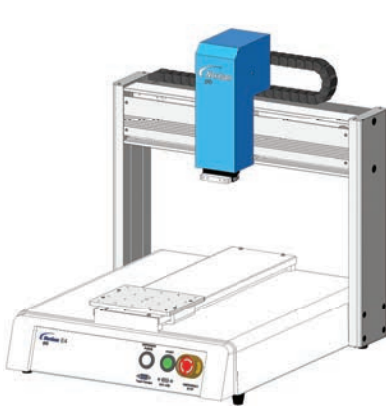
E Series makes automation easy and is available in five sizes for a wide range of working envelopes.



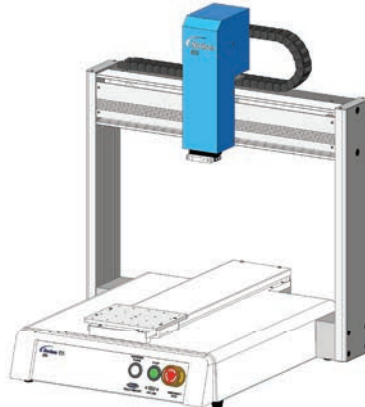
E2 (200 x 200 x 50 mm)



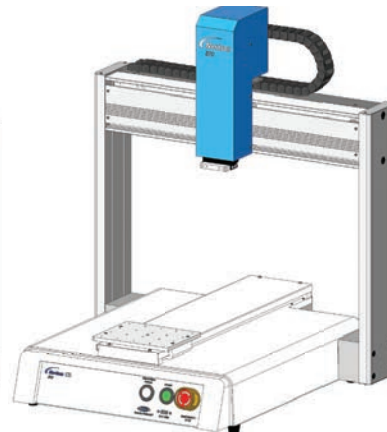
E3 (300 x 300 x 100 mm)



E4 (400 x 400 x 100 mm)



E5 (500 x 500 x 150 mm)



E6 (620 x 500 x 150 mm)



Teach Pendant makes programming fast and easy.



more info

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Specifications

Item/Model	E2	E3	E4	E5	E6
Part #	7360852	7360853	7360854	7360855	7362101
Part # Europe*	7361345	7361346	7361347	7361348	7362102
Number of axes	← 3 axes →				
Maximum working area (X / Y / Z)	200 / 200 / 50 mm (8 / 8 / 2")	300 / 300 / 100 mm (12 / 12 / 4")	400 / 400 / 100 mm (16 / 16 / 4")	500 / 500 / 150 mm (20 / 20 / 6")	620 / 500 / 150 mm (24 / 20 / 6")
Workpiece payload	5.0 kg (11.0 lb)	10.0 kg (22.0 lb)	10.0 kg (22.0 lb)	10.0 kg (22.0 lb)	10.0 kg (22.0 lb)
Tool payload	3.0 kg (6.6 lb)	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)	5.0 kg (11.0 lb)
Weight	21.0 kg (46.3 lb)	39.5 kg (87.1 lb)	44.5 kg (98.1 lb)	47.0 kg (103.6 lb)	50.0 kg (110.2 lb)
Dimensions	370w x 510H x 414D mm (15w x 20H x 16D")	490w x 644H x 519D mm (19w x 25H x 20D")	590w x 644H x 617D mm (23w x 25H x 24D")	690w x 814H x 718D mm (27w x 32H x 28D")	808w x 812H x 718D mm (32w x 32H x 28D")
Maximum speed (XY / Z)	500 / 250 mm/s (20 / 10"/s)	800 / 320 mm/s (31 / 13"/s)	800 / 320 mm/s (31 / 13"/s)	800 / 320 mm/s (31 / 13"/s)	800 / 320 mm/s (31 / 13"/s)
Drive system	← 3 phase micro-stepping motor →				
Memory capacity	← 1-99 programs / 1-9,999 points per program →				
General purpose I/O	← 8 inputs / 8 outputs →				
Input AC (to power supply)	100-240 VAC, ±10%, 50/60Hz, 20 Amp maximum, 200 W	100-240 VAC, ±10%, 50/60Hz, 20 Amp maximum, 320 W	100-240 VAC, ±10%, 50/60Hz, 20 Amp maximum, 320 W	100-240 VAC, ±10%, 50/60Hz, 20 Amp maximum, 320 W	100-240 VAC, ±10%, 50/60Hz, 20 Amp maximum, 320 W
Repeatability**	← ±0.008 mm →				
Teach Pendant	← Included →				
Tip alignment	← Optional →				
Height detection	← Optional →				
Approvals	← CE, RoHS, WEEE, China RoHS →				
Warranty	← 1 year, limited →				

*Complies with European safety regulations.

**Repeatability results may vary depending on method of measurement.

PRO Series

EFD's PRO Series includes smart vision CCD camera and laser height sensing capabilities for a fully integrated dispensing solution.



Free Process Evaluation

Contact Nordson EFD to configure an automated dispensing system that meets your specific needs.

- A complimentary process evaluation by experienced fluid dispensing experts
- Samples processed for customer evaluation and approval prior to purchase

