

E Series Automated Dispensing Systems

Easy automation for precise fluid application with Teach Pendant programming



E Series makes automation easy.

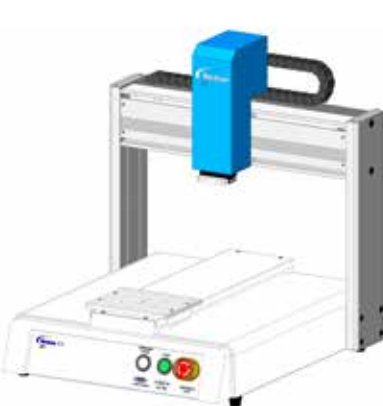
** X/Y calibration delivers best-in-class repeatability*



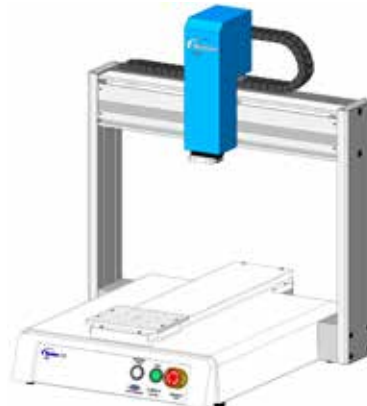
E2 (200 x 200 x 50 mm)



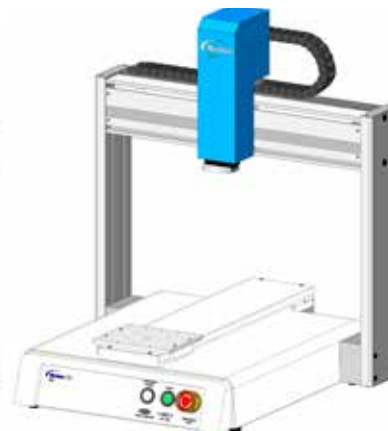
E3 (300 x 300 x 100 mm)



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.

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

Available in five sizes for a wide range of working envelopes.



more info

Nordson
EFD

E Series 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	3	3	3	3
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 kg (11.0 lb)	10 kg (22.0 lb)	10 kg (22.0 lb)	10 kg (22.0 lb)	10 kg (22.0 lb)
Tool payload	3 kg (6.6 lb)	5 kg (11.0 lb)	5 kg (11.0 lb)	5 kg (11.0 lb)	5 kg (11.0 lb)
Maximum speed (XY / Z)	500 / 250 mm/sec (20 / 10"/sec)	800 / 320 mm/sec (31 / 13"/sec)	800 / 320 mm/sec (31 / 13"/sec)	800 / 320 mm/sec (31 / 13"/sec)	800 / 320 mm/sec (31 / 13"/sec)
Unit weight	21 kg (46 lb)	39.5 kg (87 lb)	44.5 kg (98 lb)	47 kg (107 lb)	50 kg (110 lb)
Dimensions	375w x 414h x 510d mm (15w x 16h x 20d")	490w x 517h x 645d mm (19w x 20h x 25d")	590w x 617h x 645d mm (23w x 24h x 25d")	690w x 717h x 815d mm (27w x 28h x 32d")	810w x 717h x 815d mm (32w x 28h x 32d")
Drive system	3-phase micro-stepping motor	3-phase micro-stepping motor	3-phase micro-stepping motor	3-phase micro-stepping motor	3-phase micro-stepping motor
Memory capacity	1-99 programs 1-9,999 points per program	1-99 programs 1-9,999 points per program	1-99 programs 1-9,999 points per program	1-99 programs 1-9,999 points per program	1-99 programs 1-9,999 points per program
Data storage	USB	USB	USB	USB	USB
General purpose I/O	8 inputs / 8 outputs	8 inputs / 8 outputs	8 inputs / 8 outputs	8 inputs / 8 outputs	8 inputs / 8 outputs
Drive method	PTP and CP	PTP and CP	PTP and CP	PTP and CP	PTP and CP
Dispensing controller	External	External	External	External	External
Power supply	Auto-switching, AC100-240V, 200 W	Auto-switching, AC100-240V, 320 W	Auto-switching, AC100-240V, 320 W	Auto-switching, AC100-240V, 320 W	Auto-switching, AC100-240V, 320 W
Interpolation	3 axes (3D space)	3 axes (3D space)	3 axes (3D space)	3 axes (3D space)	3 axes (3D space)
Repeatability**	±0.008 mm	±0.008 mm	±0.008 mm	±0.008 mm	±0.008 mm
Working temperature	10-40° C (50-104° F)	10-40° C (50-104° F)	10-40° C (50-104° F)	10-40° C (50-104° F)	10-40° C (50-104° F)
Teach pendant	Included	Included	Included	Included	Included
Tip detection	Optional	Optional	Optional	Optional	Optional
Approvals	CE, RoHS, WEEE, China RoHS				

* Complies with European safety regulations.

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

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

PRO Series

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



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to nordsonefd.com

Global

East Providence, RI USA
800-556-3484; +1-401-431-7000
info@nordsonefd.com

Europe

Dunstable, Bedfordshire, UK
0800 585733; +44 (0) 1582 666334
europe@nordsonefd.com

Asia

China: +86 (21) 3866 9006; china@nordsonefd.com
India: +91 80 4021 3600; india@nordsonefd.com
Japan: +81 03 5762 2760; japan@nordsonefd.com
Korea: +82-31-736-8321; korea@nordsonefd.com
SEAsia: +65 6796 9522; sin-mal@nordsonefd.com

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