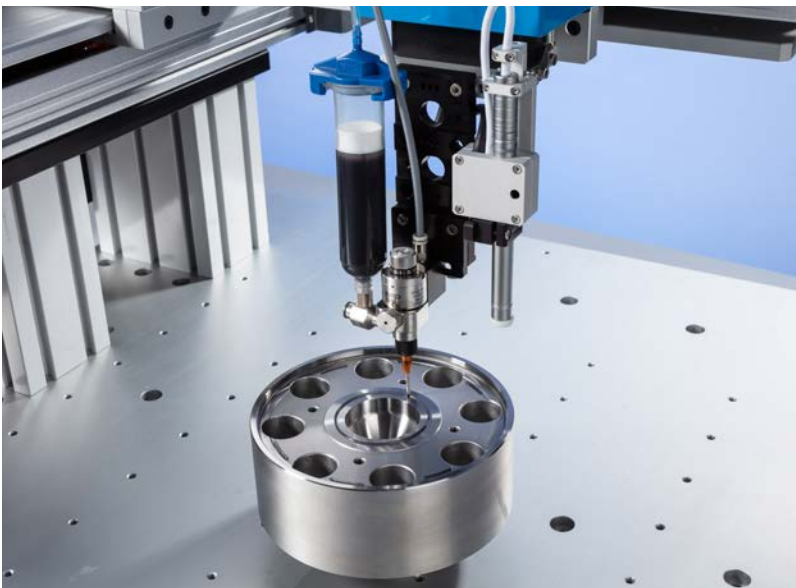


GV Series Automated Dispensing Systems

A complete gantry automation system with vision for precise fluid application



GV Series provides market-leading dimensional positioning accuracy and deposit placement repeatability.



The GV Series automated dispensing system has an unlimited workpiece payload, providing a full range of application choices.

Nordson EFD's vision-guided GV Series automated dispensing systems deliver easy automation for precise fluid applications.

Specialized DispenseMotion™ software and an integrated CCD smart vision camera or a simple pencil camera make EFD automated systems quick to set up and easy to program. True three-dimensional motion control allows easy programming of dots, lines, circles, arcs, and compound arcs.

Working envelopes range from 400 mm to 800 mm, making them an ideal solution for precise fluid dispensing onto substrates requiring large work envelopes while not sacrificing repeatability.

The GV Series can work as a standalone system or as a key part of an automated solution and is easily integrated into rotary tables and conveyor-fed assembly lines.

Features

- Simplified setup and programming with EFD's advanced vision-guided DispenseMotion software
- CCD smart vision camera or simple pencil camera
- True, three-dimensional motion control
- Work envelopes as large as 800 mm
- Unlimited workpiece payload

Benefits

- Market-leading dimensional positioning accuracy and deposit placement repeatability
- Unlimited workpiece payload provides full range of dispensing application opportunities
- Streamlines training of in-house operators
- Seamless integration into any manufacturing operation
- Reduced production, material, and ownership costs
- Ideal for conveyor-fed automation



more info



GV Series Specifications

Item / Model	G4V	G8V
Part # (100 mm post)	7363644	7363647
Part # (150 mm post)	7363645	7363648
Part # (250 mm post)	7363646	n/a
Number of axes	←————— 3 —————→	
Maximum working area (X / Y / Z)	400 / 400 / 100 mm (16 / 16 / 4")	800 / 800 / 100 mm (31 / 31 / 4")
Tool payload	3.0 kg (6.6 lb)	8.0 kg (17.6 lb)
Weight	63.5 kg (140.0 lb)	181.5 kg (400.1 lb)
Dimensions	833 _w x 382 _H x 730 _D mm (33 _w x 15 _H x 29 _D "")	1,489 _w x 534 _H x 1,160 _D mm (59 _w x 21 _H x 46 _D "")
Maximum speed (XY / Z)	500 / 320 mm/s (20 / 13"/s)	800 / 320 mm/s (31 / 13"/s)
Drive system	5-phase micro-stepping motor	XY axis: Servo motor Z axis: 5-phase micro- stepping motor
Memory capacity	←————— PC storage —————→	
General purpose I/O	←————— 8 inputs / 8 outputs (16 / 16 optional) —————→	
Input AC (to power supply)	100–240 VAC, ±10%, 50/60Hz, 20 Amp maximum, 420 W	220 VAC, ±10%, 50/60 Hz, 10 Amp maximum, 420 W
Repeatability*	±0.02 mm/axis	±0.1 mm/axis
Vision	Pencil camera	CCD smart camera
DispenseMotion software	←————— Included —————→	
Tip detection	←————— Tip detector (optional) —————→	
Height detection	←————— Mechanical (optional) —————→	
Approvals	CE, UKCA, RoHS, WEEE, China RoHS	
Warranty	←————— 1 year, limited —————→	

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

Free Process Evaluation

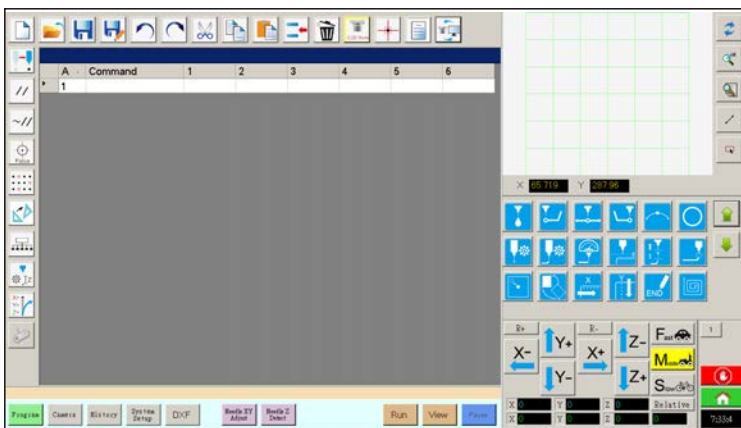
Contact Nordson EFD to configure an automated dispensing system that meets your specific needs, with:

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

Smart Vision

- Precise repeatability with powerful CCD camera
- Higher product quality and throughput

The G8V Series systems include a CCD camera that converts pixels to digital values to deliver precise, high-quality images. The software confirms workpiece presence and placement and automatically adjusts as in-process variations occur.



Vision-guided DispenseMotion software makes programming easy.



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

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