

Enclosure for Automated Dispensing Systems

Complete safety-guarded system compliant with EU Machinery Directive



CE-compliant safety enclosure allows full system integration for vision-guided and Teach Pendant automated dispensing systems.

Nordson EFD offers guarded safety enclosures designed to seamlessly integrate with our complete line of automated dispensing systems, including the PROPlus, PRO, EV, E, RV, and R Series.

For installation in the European Union and areas with similar regulations, these CE-compliant enclosures provide full compliance with EU Machinery Directive 2006/42/EC, essential for all production requirements.

Nordson EFD enclosures easily integrate into existing production lines. Each enclosure features an internal lockable electrical control box and integrated wireways that allow easy cable routing for faster, safer setup. A safety light curtain at the front opening stops the dispensing cycle anytime an object passes its sensing field.

Features

- Internal electrical box and integrated wireways allow securing of cables within the enclosure for faster, safer setup.
- Light curtain meets safety requirements while providing easy access to the dispensing system when necessary.
- Complete control of the system from the outside of the enclosure, including Start, Emergency Stop, and Run/Teach.
- Solid construction resists bumps and jolts to maintain dispensing accuracy.
- Large storage cabinet for air tanks, fluid reservoirs, or other dispensing system components.

Benefits

- Compliant with EU Machinery Directive 2006/42/EC, essential for production requirements.
- Enclosure design integrates seamlessly with automated dispensing systems — making setup easier.
- One-stop shop for enclosure and dispensing system simplifies procurement.
- High-quality enclosure protects operators from operational hazards.
- Protects the dispensing system from environmental conditions.

Part #	Description	Compatible Robot Models
7362738	Small safety enclosure	E2, E2V, E3, E3V, PRO3, PRO3L, PROPlus3, PROPlus3L
7362766	Small safety enclosure, Europe	E2, E2V, E3, E3V, PRO3, PRO3L, PROPlus3, PROPlus3L
7362739	Large safety enclosure	E4, E4V, E5, E5V, E6, E6V, R3, R3V, R4, R4V, G4V, PRO4, PRO4L, PROPlus4, PROPlus4L
7362767	Large safety enclosure, Europe	E4, E4V, E5, E5V, E6, E6V, R3, R3V, R4, R4V, G4V, PRO4, PRO4L, PROPlus4, PROPlus4L
7363719	Cables for safety enclosures: Monitor power cord, 5 m (16.4 ft) VGA monitor cable, 5 m (16.4 ft) Y cable for robot I/O port, 25-pin	All



more info



Safety Enclosure Specifications

Item	Small Enclosure	Large Enclosure
Cabinet size	800w × 1920H × 900D mm (31.5w × 75.6H × 35.4D")	1000w × 1920H × 1100D mm (39.4w × 75.6H × 43.3D")
Construction	Extruded aluminum and steel	
Weight	215 kg (474.0 lb)	227 kg (500.5 lb)
Input AC (to power supply)	United States: 100–240 VAC ±10%, 50/60 Hz, 20 A Europe: 100–240 VAC ±10%, 50/60 Hz, 16 A	
Output DC (from power supply)	24 VDC, 5 Amp maximum	
Ambient operating temperature	10–40° C (50–104° F)	
Approvals	CE, UKCA	



Ergonomic, adjustable monitor bracket and keyboard tray make it easy to program vision-guided systems at any height.



Integrated power strip provides a convenient and accessible location for valve controller installation.

Automated Dispensing Systems

Nordson EFD automated dispensing systems deliver market-leading repeatability and accuracy in fluid placement and positioning. Specialized dispensing software simplifies setup and programming. Optimize dispensing results with features such as laser height sensing and smart vision CCD cameras.



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

Global

800-556-3484; +1-401-431-7000
info@nordsonefd.com

Europe

00800 7001 7001
infoefd.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