

Encore®

Manual Powder Spray System

Plug and play design features lightweight gun with On-Gun* controls and display, a highly efficient pump, and simple yet flexible controls with digital closed-loop flow control.



Smart Controls and Digital Closed-Loop Flow Control

Encore Controls are easy to use and provide greater flexibility – all with closed loop digital flow control. Nordson's Select Charge® Controls provide pre-programmed KV and micro-amp controls for recoating, metallics, and cavities.

- **Select Charge® Controls** – for pre-programmed electrostatic settings for recoating, metallics, or cavities.
- **Classic Electrostatic Control** – lets you select between either KV or AFC mode.
- **Custom Electrostatic Control** – lets you adjust both KV and AFC mode independently.
- **Classic Flow Control** – for independent control of both flow air and atomizing air.
- **Smart Flow Control** – for simplified control of both flow air and atomizing air.



- **Digital Closed-Loop Flow Control** – automatically compensates for variations in incoming air pressure by providing consistent flow air to the pump – thus eliminating variations in powder film build.
- **Preset Control** – for selection of up to 20 presets including any combination of flow and electrostatic controls for precision parameter control of any powder for any part.
- **Flexible Unit of Measurement** – for setting flow air in either SCFM or M³/HR.
- **Function Codes** – for even more precision control of various gun, pump, and system parameters such as electrostatics, flow air, unit display, and many others.
- **Self Diagnostics "help codes"** – controller identifies specific parameters making troubleshooting easy and effortless.

*patent pending

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Compact Pump Design

The highly efficient Encore pump provides more powder with less compressed air. This means more powder at the gun with less velocity for higher first pass transfer efficiency and more powder on the part.

- Higher performance and savings.
- Lower operating costs.
- More powder on the part, on the first pass.
- Less wear.
- Quick turn throat holder nut – for quick and easy inspection of pump throat.



Flexibility and Portability in Plug and Play Design

The Encore Mobile Powder Spray System provides ease of mobility around the plant. It is collapsible for compact storage or transport. The Encore system ships pre-assembled so that any additional connections such as air and power are minimal.

The Encore Mobile Powder Spray System is virtually plug-and-play making it a snap to set-up and spray right away – **for performance on demand.**

Parts Tray – convenient place for parts when performing routine cleaning and inspection.



Pump Arm – pick-up tube stays suspended when changing boxes, stows easily when not in use.



Parts Storage – extra storage area for optional nozzles.



Hose Hanger – for conveniently stowing hoses and cable during transport

System Specifications

Mobile Powder Spray System:	Height Width Depth Weight	108.2 cm (42.6 in.) 53.65 cm (21.1 in.) 82.59 cm (32.5 in.) 56.7 kg (125 lbs)*
Manual Gun:	Height Length Reach Weight	25.4 cm (10.00 in.) 33.8 cm (13.30 in.) 20.5 cm (8.07 in.) 475 gm (16.75 oz.)
Cable Lengths		6 meters (20 ft.) gun cable 6 meters (20 ft.) cable extension
Operator Interface:	Height Width Depth Weight	19.7 cm (7.79 in.) 21.1 cm (8.34 in.) 8.9 cm (3.54 in.) 2.09 kg (4.6 lbs)
Power Unit:	Height Width Depth Weight	16.6 cm (6.54 in.) 28.8 cm (11.34 in.) 21.0 cm (8.27 in.) 8.16 kg (18 lbs.)
Input Voltage		85-250 VAC, 1 Phase, 50-60 Hz
Output Voltage		0-18 VAC
Input Air Pressure (Min – Max)		6.0 – 7.6 Bar (87-110 PSI)
Typical Air Consumption		Pump and Fluidizing 60 L/M (2.1 SCFM)
Air Filtration		5 Micron filter included Supply air must be clean and dry

*VBF system without powder

P/N	Description
1097073A	Encore Mobile Powder Spray System with 220V VBF
1097072A	Encore Mobile Powder Spray System with 110V VBF
1097074A	Encore Mobile Powder Spray System with 50 lb Hopper
1097075A	Encore Mobile Powder Spray System with 25 lb Hopper
1087285A	Encore Wall Mount Powder Spray System
1087283A	Encore Rail Mount Powder Spray System

For more information, speak with your Nordson representative or contact your Nordson regional office.

United States

Amherst, Ohio
+1.800.626.8303 Phone
+1.888.229.4580 Fax

Canada

Markham, Ontario
+1.905.475.6730 Phone
+1.800.463.3200 Phone
+1.905.475.8821 Fax

Europe

Erkrath, Germany
+49.211.9205.141 Phone
+49.211.9252.148 Fax

Japan

Tokyo, Japan
+81.3.5762.2700 Phone
+81.3.5762.2701 Fax

Asia/Australia/ Latin America

Amherst, Ohio
+1.440.985.4000 Phone
24-hour message service:
+1.440.985.4797