

Encore™ Manual Powder Spray System



PERFORMANCE ON DEMAND

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.



Quick Turn Nozzle Nut – for quick nozzle changes on the fly with only 1/4 of a turn.

Light weight – for ease of use and less fatigue.

Auxiliary Trigger – for increasing or decreasing powder flow on the fly as well as selecting any one of a maximum 20 presets.

Bright Blue LED Display – provides the ability to see flowrate or preset changes without looking at the controller and losing valuable spray time.

On-Gun* controls – allow quick mode changes on the fly for both presets and flowrate.

On-Gun* Purge – for complete cleaning of the gun's powder path.

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**.

System Specifications

Mobile Powder Spray System

Height: 108.2 cm (42.6 in.)
Width: 53.65 cm (21.1 in.)
Depth: 82.59 cm (32.5 in.)
Weight: 56.7 kg (125 lbs)*
**VBF system without powder*

Power Unit

Height: 16.6 cm (6.54 in.)
Width: 28.8 cm (11.34 in.)
Depth: 21.0 cm (8.27 in.)
Weight: 8.16 kg (18 lbs.)

Manual Gun

Height: 25.4 cm (10.00 in.)
Length: 33.8 cm (13.30 in.)
Reach: 20.5 cm (8.07 in.)
Weight: 475 gm (16.75 oz.)

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

P/N	Description
1084513A	Encore Mobile Powder Spray System with 2200V VBF
1084512A	Encore Mobile Powder Spray System with 110V VBF
1084514A	Encore Mobile Powder Spray System with 50 lb Hopper
1084515A	Encore Mobile Powder Spray System with 80 lb Hopper
1084517A	Encore Mobile Powder Spray System with 25 lb Hopper
1082844A	Encore Wall Mount Powder Spray System
1082843A	Encore Rail Mount Powder Spray System

Parts Tray – for convenient storage of gun and pump parts.

Hose Hanger – for conveniently stowing hoses and cable during transport.



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



Collapsible – for compact storage or transport.



Nordson reserves the right to make design changes to products to improve their function. These changes may occur between printings.

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