

Encore[®] XT

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.



PERFORMANCE ON DEMAND

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

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

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

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

Light weight – for ease of use and less fatigue.



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



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 XT 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 XT 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
1600827	Encore XT Mobile Powder Spray System with 115V VBF
1600828	Encore XT Mobile Powder Spray System with 220V VBF
1600829	Encore XT Mobile Powder Spray System with 50 lb Hopper
1600830	Encore XT Mobile Powder Spray System with 25 lb Hopper
1600831	Encore XT Rail Mount Powder Spray System with 230V VBF
1600821	Encore XT Rail Mount Powder Spray System with 115V VBF
1600832	Encore XT Wall Mount Powder Spray System with 230V VBF
1600822	Encore XT Wall Mount Powder Spray System with 115V VBF

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Performance by design

