



ENCORE™

Manual Powder Spray System

The NEW Manual Powder Spray System from Nordson.



PERFORMANCE **00** DEMAND



Nordson Encore™ Manual Powder Spray System

The revolutionary new Encore manual powder spray system is packed with features to provide unsurpassed operator control, coating capability and ease of use for an unprecedented level of coating performance on demand.

System features include:

- On-Gun* controls **and display**
- One-hand powder flow adjustment or preset selection
- All-digital gun control interface
- Nordson patented Select Charge® technology
- True, closed-loop powder flow control
- Vibratory box or hopper feed
- High-efficiency pump

*patent pending

Delivering 100,000 volts for maximum first-pass transfer efficiency, and combined with On-Gun* control that is vastly more functional and effective, the Encore system surpasses every other conventional powder spray system. Painters in complete command. Focused straight ahead on the parts being coated. With all the control capability conceivable, comfortably in-hand.



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Encore™ Manual Powder Spray Gun

Ergonomically engineered to fit like a glove, the Encore spray gun is the lightest and best-balanced gun on the market, making the painter's job easier for more consistent and repeatable coating performance. The all-new gun design also improves reach into part cavities, and improved maneuverability around and between densely racked parts.

On-Gun* controls with large, bright LED display and helpful lighted icons, combined with a Nordson-exclusive auxiliary trigger, give the painter all of the control and visual feedback to optimize coating performance and know exactly what gun settings have been selected at all times.

The Encore gun's PowerPurge feature, another Nordson exclusive, cleans the powder path from the base of the handle through the entire gun, preventing powder build-up in the gun for optimum spray performance with all powders including textures and metallics.

The powder delivery hose quick-disconnect adapter enables fast, easy removal and replacement for routine cleaning and color change. As does the quick, one-quarter-turn nozzle retainer, or for simply changing nozzles or attaching an optional lance extension.



Make Fast Adjustments on the Fly

Right at your fingertips and without taking your eyes off the part, the Encore manual spray gun gives you the control you need for the quality you demand. Use it to spray any organic coating material, including textures and even the most challenging metallics.

Mode Selection button selects between powder flow control and preset control for up to 20 presets.

Gun Purge button with PowerPurge completely cleans the powder path from the base of the handle through the entire gun for optimum performance with even the most difficult-to-spray powders including metallics.



Easy-to-read brilliant blue LED display indicates values in each mode – letting you know *exactly* where you are at all times.

Auxiliary Trigger works in conjunction with either mode. Or can be configured as the Gun Purge trigger for coating operations not requiring changes to powder flow or preset at the gun.

Keypad and bright blue LED display is revolutionary in both design and functionality. With it, you have flexibility to change and control your coating operation for performance on demand.

*patent pending

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... Repeatability... Simplicity...

Encore™ Gun Modes

Encore's digital, closed-loop powder flow control is automatic and provides greater repeatability for consistent and highly efficient coverage, part after part.

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Coating parameters for voltage and current limit can be preset either individually or predetermined using Nordson's patented Select Charge® technology settings... for recoating, metallics or cavities.

Electrostatic and pneumatic settings can be combined in up to 20 presets to help optimize your coating operation for any part configuration *and* consistent, repeatable coating coverage.

Encore™ Control System

The innovative Encore control unit is unlike any other on the powder coating market today. Primary electronic and pneumatic components reside in one enclosure, and an incredibly compact operator interface panel in another.

Large, brilliant blue LED displays and helpful lighted icons.



Buttons for parameters you want to set or adjust... LED display on button indicates parameter is selected.

Fast-acting rotary knob for quick 'dial-in' to setting value.

Powerful Performance Package of Encore™ Control System:

Select Charge® Controls – for pre-programmed electrostatic settings for recoating, metallics, or cavities.

Classic Electrostatic Control – allows users to select between either KV or AFC mode.

Custom Electrostatic Control – allows users to 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 as a function of total flow.

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 output and resulting 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 – allow for even more precision control of various gun, pump, and system parameters such as electrostatics, flow air, unit display, and many others.

Self Diagnostics – in the form of help codes, the controller identifies specific parameters making troubleshooting easy and effortless.

S o p h i s t i c a t e d . . . S m a r t

Several Mounting Options Available



With its variety of mounting options, the lightweight operator interface panel can be conveniently positioned close to an operator on the work platform, side of a powder booth, or booth-mounted stand.

Placement of control in base of unit provides protection and stability.

Positioning of operator interface panel above fluidized hopper or vibratory box feed allows for convenient access and ease of viewing.



Compact Encore™ Pump Delivers More

The compact, highly efficient Encore pump has been engineered for better performance on demand than ever before in a conventional powder coating system. Using less compressed air, the pump delivers more powder to the part, resulting in a much softer spray pattern that consistently delivers higher first-pass transfer efficiency and quality finishes you expect – and your customers demand.

- **Provides more powder with less compressed air** – for higher performance and savings.
- **Lower velocity at the gun** – for more powder on the part, on the first pass.
- **Fewer parts** – for lower operating costs.
- **Lower velocity at the pump** – for less wear and longer life.
- **Quick-Turn Throat Retainer** – for quick and easy routine cleaning and inspection of pump throat.



Available in Several Configurations to Match Your Coating Needs

The Encore manual powder spray system is available in five mobile configurations for maximum versatility, ease of operation, portability, and optimal performance on demand.

Choose between two vibratory box feeders in either 110- or 220-volt versions, and three different stainless-steel fluidized hoppers of 11 kg (25-lb.), 23 kg (50-lb.), or 36 kg (80-lb.) capacities, to best suit your specific powder coating needs.

For use as a stationary system, the Encore system is available as a packaged unit of gun, controller and pump only.



Additional Encore™ System Features

The Encore manual spray system is virtually plug-and-play making it a snap to set-up and spray right away – for performance on demand. Several other features of the Encore system make operation and color change convenient and simple.



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.



Two Large Wheels & Two Swivel Casters –
for ease of mobility around the plant.



Collapsible –
for compact storage or transport.

For the powerful powder coating performance you demand for all your manual operations, the Encore Manual Powder Spray System from Nordson Industrial Coating Systems is a smart choice.



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

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

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