Encore® LT manual powder spray system

Highest first-pass transfer efficiency, exceptional versatility and ease of use produce superior results for everyday manual powder coating.
Easy maintenance

With fewer parts and an innovative design, the Encore LT gun is completely field-serviceable. Its quick-turn nozzle retainer speeds nozzle removal for changing nozzle sizes or types, routine cleaning and color change. The quick-disconnect delivery hose also speeds cleaning and color change. And the gun’s new handle design makes access to the powder path, trigger switch and cable easier than ever.

*patent pending
Compact pump delivers more

The compact, highly efficient Encore pump is engineered for excellent performance. 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.

- **More powder output with less compressed air** – for higher performance and energy 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, easy routine cleaning and inspection of pump throat

Available in a variety of configurations

The Encore LT powder spray system is available in configurations that provide ease of mobility around the plant. Designed with versatility in mind, the Encore LT is available in vibratory box feeder or fluidized hopper mobile systems. Choose between two vibratory box feeders – either 110- or 220-volt versions – or a stainless-steel fluidized hopper with 23 kg (50-lb.) capacity to best suit your specific powder coating needs.

Whichever mobile system configuration you choose, the Encore LT system is plug-and-play, requiring just connections such as air and power for quick, easy installation. Set-up is also so quick and easy, so you can be powder coating like an experienced operator almost immediately.

The Encore LT is also available in wall- or rail-mounted configurations for fixed installation. A variety of options are available for use with the Encore LT system to suit your specific coating needs, including:

- **Wide variety of nozzle sizes and types** – help you tailor the spray patterns to specific part geometries, for more efficient part coverage and powder material utilization
- **Parts tray** – for quick, easy access to often-used alternate nozzles, spare pump throat for quick change out, and other components
- **150 mm and 300 mm (6" and 12") lance extensions** – for extending the gun’s reach when coating large parts
- **Encore cup gun kit** – perfect for laboratory use, new color sample testing or low-volume, fast-changeover multiple color applications

Available in your choice of fluidized hopper or vibratory box feeder mobile system to meet your application needs
Why choose Nordson

In highly competitive manufacturing markets, productivity is vital and performance is essential. That’s why we apply both to everything we do, whether it’s our products, expertise or outstanding customer service. We’ll always be there to help maintain the new standards you’ve set, with expert service and support delivered through our teams working across the globe.

This unique Nordson approach helps you reach new levels of production, while working more accurately, efficiently and competitively than ever. Precisely why manufacturers who demand quality, can rely on Nordson.

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Performance by design

New, all-digital, easy-to-use control unit

The new Encore LT all-digital gun control unit is very easy to use, while offering all of the capability for maximizing coating control, part coverage and efficiency. Its simple, touch pad layout, lighted icons and large, brilliant-blue LED displays make it easy to adjust and monitor all of your electrostatic and pneumatic settings. The extensive list of Encore LT control unit features include:

- **Patented Select Charge**® technology – choice of pre-programmed coating modes with proven pre-set electrostatic parameters for coating deep cavities, recoating and spraying metallic powders
- **AFC (automatic feedback current) control** – automatically controls optimum electrostatic charging voltage based upon gun-to-part distance
- **Classic electrostatic control** – allows users to select either kV or AFC operating mode
- **Custom electrostatic control** – total flexibility to set kV and AFC independently
- **Closed-loop air pressure control** – delivering precise, repeatable powder output regardless of fluctuations in plant air pressure
- **Classic air pressure control** – independent control of flow and atomizing air
- **Smart Flow air pressure control** – enables you to adjust powder output as a function of total flow, without affecting spray velocity once set
- **Function codes** – provide flexibility of electrostatic, pneumatic and overall system control

Unmatched flexibility in choice of electrostatic, pneumatic and overall system operating modes

Function “2”, value “1” selects operation with a vibratory box feeder

Green LEDs indicate Smart Flow mode, gun triggered on

AFC mode, viewing current limit set point

Standard mode, viewing kV set point

“Deep Cavity” Select Charge mode, viewing kV set point

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