



All digital, easy-to-use, modular gun control system – for reliable and repeatable performance in automatic powder painting operations.

The new Encore gun control system is an all digital, easy to operate, energy efficient and modular automatic gun control system that provides precision pneumatic and electrostatic operating parameters for repeatable and reliable performance of automatic powder coating operations.

The modular cabinet style design accommodates up to eight automatic gun controllers for easy operation of both reciprocators and in/out positioners.



Features and benefits

- **All digital operator interface** – for easy operation of precision gun parameters
- **Energy saving digital pneumatics** – for repeatable operation at reduced air supply pressure
- **Easy to operate electrostatic control** – with convenient Select Charge modes and AFC control
- **Simple master control** – with convenient “trigger all” button for set-up and testing
- **Modular design** – for easy upgrade from a 4- or 6-gun system to an 8-gun system
- **Available in a dual controller configuration** – for 2-gun systems
- **Also available in a single controller configuration** – for single gun and robot applications
- **Optional vortex cooling** – for installations with high ambient temperatures
- **Compatible with Encore bar mount and tube mount automatic spray guns.**

Customizable electrostatics and configurable flow modes for precise application control.

Digital energy saving pneumatics – for precise, repeatable and economic performance

Encore's easy to operate pneumatic controls provide precise, repeatable and economic operation – in both Classic Flow and Smart Flow modes. Classic Flow mode allows operators to set flow and atomizing air independently. In Smart Flow mode – atomizing and flow air are adjusted automatically based on the flow air percent and total flow settings. Encore's digital pneumatic controls allow for higher precision and repeatability than standard pressure regulators and gages. Encore pneumatics are also more economical and help save money – allowing for the same repeatability and precision – at incoming air pressure as low as 60 psi.

Easy to operate electrostatics with Select Charge and AFC – for virtually infinite configurability of both kV and current

Select Charge coating modes utilize three optimized factory preset electrostatic parameters for recoating parts, metallic powders, and deep recesses. A fourth or "custom" mode enables independent setting of kV and current limit. Also available as standard with Encore is Nordson's patented AFC (Automatic Feedback Current) control, allowing operators to set gun current at a level that will provide optimal powder charge and field strength for each part to be coated.

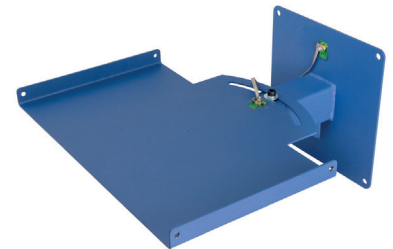
Compact modular design – for optimum flexibility and configuration of gun control and master control

The Encore modular gun control system is available in 4-, 6- or 8-gun controller configurations with master control and rear dress out cover panel. The master control panel provides main power and air distribution, keyed lockout protection, and gun triggering via a PLC or other triggering device.



Both dual and single gun controllers – for dual and single gun systems

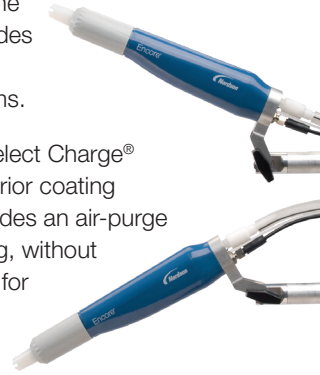
A stand alone dual gun controller can be used for 2-gun applications. An optional adjustable wall mounting bracket is available for ease of installation and operation. A single gun controller is also available for single gun and robot applications.



Encore automatic powder spray guns

Designed for use with the Encore modular gun control system, the Encore automatic gun is one of the lightest and most compact powder application tools in the industry. In addition, at 100 kV, it provides the highest transfer efficiency available today for venturi-based coating systems.

With the Encore automatic gun and Select Charge® technology, finishers can achieve superior coating coverage and efficiency. The gun provides an air-purge cleanable design for fast, easy cleaning, without gun disassembly, a requirement today for quick color change powder coating applications.



The Encore automatic gun is available in both tube mount and bar mount configurations to meet various application needs. Tube mount versions accommodate varying powder spray booth widths for coating very small to very large products. A bar mount version, provides a more compact and lightweight option. The bar mount version is ideal for use on a robot and in applications that do not require ultra-fast color-change.



Encore automatic controller specifications

	1-Gun auto	2-Gun auto	4-Gun auto	6-Gun auto	8-Gun auto
Dimensions:					
Height	198 mm (7.80 in)	221.5 mm (8.72 in)		1835 mm (72.24 in)	
Width	212 mm (8.35 in)	442 mm (17.40 in)		546 mm (21.50 in)	
Depth	312 mm (12.26 in)	368 mm (14.49 in)		598 mm (23.54 in)	
Weight					
Controller (kg)	6.2 kg (13.6 lbs)	11.7 kg (25.8 lbs)	118.8 kg (262 lbs)	120.2 kg (265 lbs)	121.6 kg (268 lbs)
Axis cntr adder (kg)	-NA-	-NA-		4.5 kg (10 lbs)	
Input air pressure					
Min	58 PSI (4.0 bar)				
Max	110 PSI (7.6 bar)				
Supply air hose	10 mm tube		16 mm tube		
Max output per channel (flow, atom)	5 scfm (8.5 m3/hr) @ 100 psi (6.9 bar) input pressure				
Gun air (electrode air wash)	0.25 scfm (0.42 m3/hr) @ 100 psi (6.9 bar) input pressure				
Air consumption					
per gun (typ)	3 scfm (5.1 m3/hr)				
Electrical:					
Input	100-240 VAC, 1 phase, 50/60 Hz, 2.5 Amp, 100 VA Max	100-250 VAC, 1 phase, 50/60 Hz, 2.5 Amp, 125 VA Max	100-250 VAC, 1 phase, 50/60 Hz, 6.3 Amp, 275 VA Max		
Output	-NA-				
Filtration	Compressed air must be clean and dry. Use regenerative desiccant or refrigerated air dryer capable of producing a 10 deg C (50 deg F) or lower dew point at 100 psi (7 bar) and a filtering system with prefilters and coalescent type filters capable of removing oil, water and dirt in the submicron range. Max oil vapor: 0.1 ppm, Max water vapor: 0.48 grains/ft ³ < 5-micron particulates				

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.

Performance by design

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