

Encore® PE-HD

Automatic Powder Spray Guns

Combine proven performance with advanced design for the high-efficiency application of porcelain enamel coatings.

The Encore PE-HD Automatic Bar-Mount Gun for applying porcelain-enamel powder incorporates the proven industry-leading designs and application performance of its predecessor, the Prodigy® PE Automatic Bar-Mount gun.

The Encore PE-HD automatic gun is a state-of-the-art Nordson HDLV product. It incorporates advanced control offerings, providing superb operating efficiency and coating performance. Encore PE-HD automatic guns features a 100kV voltage multiplier, distributing maximum first-pass transfer efficiency.

Nordson HDLV products provide dense-phase powder transport and application of powder materials. With a softer spray at the gun tip, HDLV products move more powder with less air for reduced material consumption and even higher transfer efficiencies compared to venturi technology.

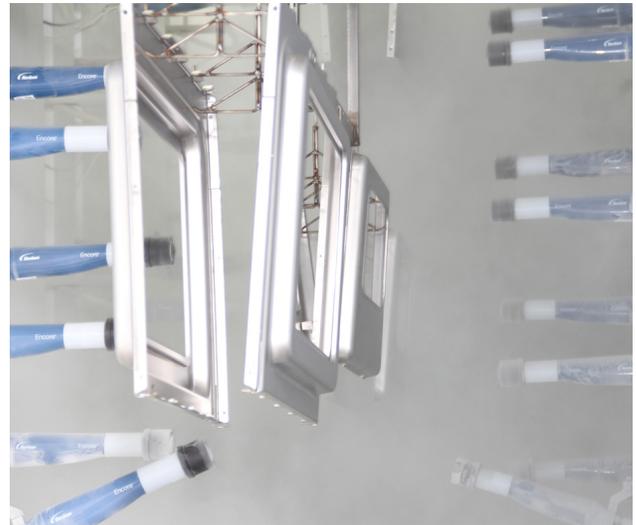
Utilizing the Encore PE-HD automatic gun with Nordson Select Charge® technology, finishers can achieve superior coating coverage and efficiency. The gun was designed for superior finish quality with minimal labor.



Encore PE-HD Automatic Bar-Mount Gun with Flat Spray PE Nozzle

Features and Benefits

- **Contoured gun profile** prevents external powder build-up for fast cleaning.
- **Air-purge design** promotes fast, easy cleaning, without gun disassembly.
- **Easy disassembly** for routine cleaning and maintenance; completely field repairable.
- **Less wear and easier maintenance** with straight-through powder path design.
- **Common nozzles within the Encore family** provide consistency when switching operations and minimize inventory.
- **Electrode air wash keeps the gun charging electrode clean**, maximizing electrostatic charging efficiency and preventing surface finish defects.
- **Adjustable mounting bracket** enables automatic gun positioning from 90-degrees up (from parallel to gun bar) to 90-degrees down, efficiently coating the tops and bottoms of parts.
- **Optional ion collector device** draws excess ions from spraying zone for enhanced coverage and finish appearance.
- **The Encore HD iControl® Integrated Control System** utilizes a digital, closed-loop pneumatic control technology to assure repeatable quality for any type of application.
- **A 100 kV voltage multiplier** provide maximum first-pass transfer efficiency
- **Positively retained deflector and locking pattern adjustment sleeve** provide consistent, repeatable spray performance.



Optional Nozzles and Ion Collector

Optional straight and angled flat-spray nozzles enable highly directional spray patterns for efficient, effective coating coverage on specific part areas -- including returns on washer and dryer panels and other flatware, and interior corners of oven cavities. An optional ion collector, sometimes useful in controlling finish appearance, is also available.



Conical Deflector and Pattern Adjuster

A positively retained deflector and locking pattern adjustment sleeve provide consistent, repeatable spray performance. The addition of electrode air wash in the Encore PE HD design helps keep the gun charging electrode clean. This maintains maximum electrostatic charging efficiency. It also helps prevent agglomerated powder from disturbing the spray pattern or dislodging and inadvertently being applied to the part, causing possible surface finish defects.

An adjustable mounting bracket enables automatic gun positioning from 90-degrees up (from parallel to gun bar) to 90-degrees down, to efficiently coat the tops and bottoms of parts. The bracket also enables "lead and lag" positioning for improved coverage on part edges.



Encore PE-HD multi-gun arrangements for coating cavities

Technical Specifications

Encore PE Bar Mount Automatic Gun	
Length	16.5 in (420 mm)
Height	2.5 in (65 mm)
Width	1.8 in (47 mm)
Weight	1.99 lbs (900 grams)

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

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