

# Encore<sup>®</sup> 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 (porcelain enamel-high density, low velocity) Automatic Bar-Mount Gun for applying porcelain-enamel powder incorporates the proven industry-leading designs and application performance of its predecessor, the Prodigy<sup>®</sup> PE Automatic Bar-Mount gun.

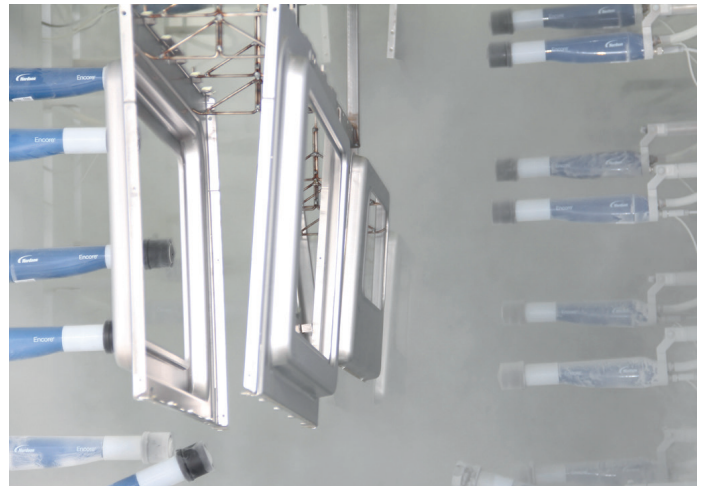
The Encore PE-HD integrated system solution includes state-of-the-art HDLV technology and advanced control offerings, providing superb operating efficiency and coating performance. Encore PE-HD automatic guns features a 100kV voltage multiplier, distributing maximum first-pass transfer efficiency.

Nordson HDLV technology focuses on dense-phase powder transport and application of powder materials. Providing a softer spray at the gun tip, HDLV technology moves 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<sup>®</sup> technology, finishers can achieve superior coating coverage and efficiency. The gun was designed for superior finish quality with minimal labor.

### 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.

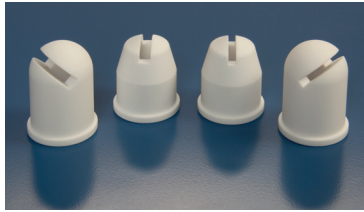


- **Optional ion collector device** draws excess ions from spraying zone for enhanced coverage and finish appearance.
- **The Encore HD iControl<sup>®</sup> Integrated Control System** utilizes a digital, closed-loop pneumatic control technology to assure repeatable quality for any type of application.
- **A 100 kV voltage multiplier** provide maximum first-pass transfer efficiency
- **Positively retained deflector and locking pattern adjustment sleeve provide consistent, repeatable spray performance.**

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## 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 HD-PE multi-gun arrangements for coating cavities

### Technical specifications

#### Encore PE bar mount automatic gun

<b>Length</b>	16.5 in (420 mm)
<b>Height</b>	2.5 in (65 mm)
<b>Width</b>	1.8 in (47 mm)
<b>Weight</b>	1.99 lbs (900 grams)

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## 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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