



# Encore<sup>®</sup> Automatic Systems

Coat better automatically

*Performance by design*

 **Nordson**

# Working smarter has never been easier

## Technology Focused, Results Oriented

### The right technology raises productivity and profitability

Unsurpassed coating quality, application flexibility, dependable performance, and industry leading support, without compromise. With Nordson's Encore automatic powder spray guns in your corner, you will spend more time producing products, knowing you have the right equipment for the job.



When it comes to powder coating, ensuring the coating durability while guaranteeing a nice clean look is what matters most at the end of the day. With Nordson's Encore automatic powder coating system, you can have your cake and eat it too by not only ensuring a consistent coat every time but maintaining that quality in a high paced, automated environment. Designed for use with Nordson's HDLV dense-phase technology, the Encore automatic powder system will boost your manufacturing productivity by ensuring consistent coating quality and fast operation, day in and day out.

Built on a foundation of dependability and innovation, every part of the system was designed with efficiency and productivity in mind. From state-of-the-art application equipment that utilizes automatic electrostatic controls to specialty materials in the booth that resist powder accumulation – everything works together seamlessly to promote higher productivity on your production line - automatically.

### Automatic guns for every application

Performance with flexibility being at the forefront, multiple mounting options are available to accommodate a wide range of product profiles and applications. Regardless of the mounting style or extension length, the Encore automatic powder gun ensures consistent performance, every time.

### For highly automated environments

Nordson's high-end solutions for conveying, coating, and recovering powder set the bar for the technical feasibility of extremely high-quality powder coating systems. It is in these highly automated applications where the Encore automatic powder gun really shines. The aerodynamic profile, specialized anti-static materials, and smooth external surfaces facilitate easy powder blow off and cleanability. Additionally, the Encore Automatic Guns are compatible and optimized for connection to both Venturi and HLDV pumps, making them the ideal solution for extremely fast, contamination-free color changes.



Venturi Pump



HD Pump

### Flexibility thanks to speed

When combined with a Spectrum HD powder feed center and a ColorMax3 powder coating booth, a fully equipped Nordson automatic powder coating system can increase the overall plant productivity and cut operating costs considerably, through quick color changes, fully automated operation, contamination-free cleaning of booths and guns, and over 98% powder recovery using the Nordson Dual Cyclone technology.

Encore automatic powder guns with HDLV Pump technology boost the automation and enhance the flexibility of your powder coating line at a decisive point and already prepare you to meet the long-term demands of modern smart factory production.



### Powder gun control

The entire process is controlled by Nordson's advanced industry leading controls platform, utilizing large, easy to operate user interfaces that make it possible to monitor up to 32 spray guns simultaneously. It controls flow velocity and powder thickness easily and precisely, thereby enabling the user to optimize settings and coat workpieces of every material and shape perfectly.

## What is dense-phase technology?

Nordson's patented HDLV® pumps use dense-phase technology with high-density powder, low-velocity air to pump more powder to the spray gun with a minimum of air, and maximum process control.

## Dense-Phase Technology: everything under control

This results in superior efficiency, unmatched coverage, and reliable self-clean color change, boosting productivity and reducing operating costs.

With more than 20 years of field-proven experience, Nordson remains at the cutting edge of dense phase pump technology in the powder coating industry.

- Powder output stability and process control, for precise applied coating thickness and significant powder savings
- Highest application efficiency with soft spray pattern
- Superior coverage of recessed areas through optimized spray velocities
- Up to 4,000 hours wear life of the internal pump components significantly reduces maintenance downtime for maximum productivity
- Contamination free color change of the entire spray system due to an automated purge clean system

## Proven to perform in over 1,000 installations

The best accolades for our dense-phase technology are not written by us; they come from manufacturers striving for even better production standards and improved efficiency:



Our Nordson Encore HD system operates for 10 hours per day, 5 days per week. Since installation we have only had to maintain one pinch valve in one of the HD pumps. That's over 4,000 hours of maintenance free pump operation.

*Andrew Emmerson, Salop Powder Coating Ltd.*



In 23 months since our installation, the system has never missed a beat, with no maintenance time required and no replacement pump parts such as pinch valves necessary. Altogether, the Nordson Encore HD equipment saves us money, makes us more productive and gives us complete production confidence.

*Karolina Szwugier, Quality Engineer, Secal Ltd.*



We took a look at several systems, conducted tests, and decided on dense phase technology from Nordson. It impressed us with its high performance and its coating quality.

*Markus Pape, General Manager, Oberflächentechnik Lönigen GmbH*

## 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.

### Nordson Industrial Coating Systems

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