



# Encore<sup>®</sup> HD Automatic System

Coat better automatically

*Performance by design*

 **Nordson**

# Coat automatically – reap the economic benefits

## The right technology raises productivity and profitability

Unsurpassed coating quality with the greatest possible flexibility and economy: This is what your customers expect. With Nordson's Encore HD guns, you are perfectly prepared for every application.



The powder guns of our Encore HD range are designed for dense-phase technology use and guarantee reproducible powder-independent quality and fast coatings – day after day, job after job. That's good for the productivity and efficiency of the whole plant.

At the same time, the excellent quality of design and materials permits easy and complete purge-cleaning in the

shortest possible time, possibly even in a fully automated process: Ideal conditions for making the quick color changes typical of small-batch coating operations.

Simplicity and tremendously long maintenance intervals are additional factors contributing to the unique cost-effectiveness of all Encore HD powder guns. Pulverpistolen.

## Automatic guns for every application

The powder guns for automatic operation are available in two versions, whose different lengths cover the broadest possible range of applications.

## For highly automated environments

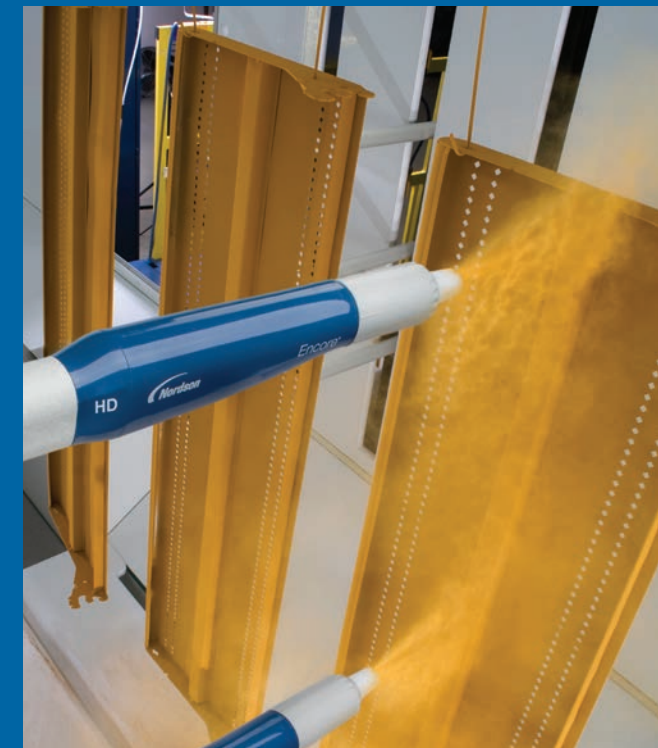
Encore HD automatic powder guns are optimized for connection to HLDV pumps, which also makes them suitable for extremely fast, contamination-free color changes.

Encore HD automatic guns develop their full potential as soon as they are incorporated into highly automated and integrated production processes. 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 that provides maximum flexibility and economy of production at the same time.

## Flexibility thanks to speed

When combined with a Spectrum HD powder feed center and a ColorMax<sup>3</sup> powder coating booth, powder coating systems can raise plant productivity and cut operating costs considerably through quick color changes, fully automated, contamination-free cleaning of booths and guns, and nearly 100% powder recovery.

**Encore HD automatic powder guns 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 the advanced PowderPilot HD application controller. Its 12-inch color touchscreen and icon-based, easy-to-operate user interface 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. Beschichtung finden lässt.



## 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 10 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 optimised 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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