



# Encore<sup>®</sup> HD Manual Systems

Unmatched efficiency and productivity

*Performance by design*

 **Nordson**

# Unmatched **efficiency and productivity**

**Encore HD manual powder coating systems easily meet even most demanding production requirements.**

The soft spray from the Nordson HDLV® pumps perfectly covers complex product shapes. Unsurpassed application efficiency combines with the powder output of up to 450 g/min to enable production rates of up to 3 m<sup>2</sup>/min per spray system.



Encore® HD manual spray systems make manual coating easy. Perfectly balanced at 530 g they are also light and comfortable for an operator's hand.

The patented On-Gun control and display, allows the operator to quickly adjust the powder output or change the coating program without being distracted from the coating task.

Advanced electrostatics with the precise control gun current at levels below 5  $\mu$ A deliver superior application performance even with challenging metallic powders. Color changeable in less than a minute without disassembly, the system also features a convenient purge function which can be used any time during operation to ensure the highest finish quality.

## Superior dense-phase performance

Nordson dense-phase pumps deliver significant savings due to the high powder output stability and application efficiency.

- Light-weight and perfectly balanced spray guns are comfortable for operators
- On-Gun controls with the patented secondary trigger and display for easy program or powder output change without the need to look away from the product
- High application efficiency and easy recess coverage
- The powder coating rate of more than twice the conventional systems
- Excellent performance with metallic and specialty powders
- Advanced electrostatic control with the current limit setting below 5  $\mu\text{A}$  and special coating programs

## Faster color change – Greater productivity

Nordson HDLV pumps automatically purge themselves and the spray system for high-quality and fast color change. Additionally, the gun can be purged at any time using the convenient On-Gun controls to ensure high finish quality.

Super-durable internal components of the spray system and the pump minimize operating cost and maintenance downtime.

## Light-weight, Efficient, Convenient



Nozzle Storage Space



On-Gun Control



### Control unit

The control unit provides a wide range of pre-installed programs. Independent powder/air control and the charging system parameters can be defined for every application

### Vibratory Box Feed (VBF) Mobile System

The mobile system with a vibratory box feed minimizes the color change time delivering maximum operating flexibility with minimum downtime. Fully automatic purge-cleaning of all internal components in less than 30 seconds.



### Fluidized Hopper Mobile System

Stable powder output and the greatest production capacity when working from a fluidized hopper. For longer single-color production runs. Convenient pull-through pick-up tube design.

### Stand-Alone Units

Flexible mounting on an operator platform, a wall, or on a convenient pedestal.



## Nordson Dense-Phase Technology with HDLV pumps

Nordson patented HDLV (High Density Low Velocity) pumps deliver powder to the spray system with minimum of air offering the independent control of the powder and air volumes.

This allows to achieve very soft spray for maximum powder application efficiency. The HDLV pumps have no wear parts affecting the powder output. Delivering up to 4,000 hours of no maintenance performance with high output stability.

### For maximum savings

The soft powder cloud delivers unmatched deposition rate and recess coverage even at high output.

Long-lasting internal spray system and pump components minimize maintenance downtime and operating costs.

More than 10 years of field-proven experience at thousands of installations worldwide.

- Highest application efficiency with soft spray
- Unmatched productivity with stable powder output of up to 450 g/min\*
- Superior coverage of recessed areas through optimised spray velocities
- Up to 4,000 hours of maintenance-free pump operation for minimum operating cost and maintenance downtime
- Automatic purge and high-quality color change in seconds

\*output of up to 750 g/min with high-flow kit

### Why choose Nordson

With almost 50 years' experience designing and building innovative powder coating solutions, Nordson delivers outstanding products, expertise, and customer service to manufacturers worldwide. Our customers trust us to develop and deliver the best solutions to their most demanding powder coating needs. Nordson helps customers reach new levels of production while working more accurately, efficiently and competitively than ever.

Manufacturers who demand quality, rely on Nordson.

*Performance by design*

## Proven to perform in over 1,000 installations

The best testimony to the performance of our dense-phase systems come from customers with the highest production standards.



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 & Co.KG

### Nordson Industrial Coating Systems

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