



ColorMax³ Powder coating booth

Engineered for fast color change

Performance by design

Nordson

ColorMax³

Fast color change powder coating spray booth



Highly efficient recovery

With recovery efficiency of over 95%, and convenient access inside the cyclones and connecting duct, twin-cyclone technology has proven itself at hundreds of installations worldwide. **Color changes of less than 10 minutes are routinely achieved by Nordson customers.**

The ColorMax[®] booth floor is made of durable Apogee[®] composite material, and is automatically purge-cleaned for no powder accumulation inside the booth.

Proven air-intake design creates soft down-draft airflow for high powder application efficiency and reliable over-spray containment.

Designed specifically for the highest quality colour change, this compact system is configurable to your specific requirements.

Convenient doors on cyclones and connecting ducts for easy access and high color change quality.

Spectrum HD Powder Feed Center

Clean Operation, fast color change

The Spectrum[®] HD Powder Feed Center creates a clean operating environment, eliminates waste, and significantly automates the colour change process. Both the spray systems and the powder feed hopper are automatically purge-cleaned, utilizing unique features of Nordson HDLV pumps.

With full, post-color-change visibility of all internal surfaces, the Spectrum HD powder hopper follows Nordson's proven "if you can see it – you can clean it" approach to fast color change systems design.

The Spectrum HD powder feed center offers fast, highly automated colour change in a simple, compact and easy-to-operate system which can be combined with Nordson fast color change booths, or integrated into your existing system.

The hopper is automatically filled with powder straight from the supplier's box with no need for extra handling and no risk of spillage – minimum operator intervention is required.

The finish quality of your products is improved thanks to the high capacity ultrasonic sieve, integrated into Spectrum HD for screening both fresh and reclaimed powders.



Full visibility of all internal surfaces after the automated color change.

Encore HD Powder Application Systems

Significant powder savings

Encore® HD powder spray systems combine advanced electrostatic control with revolutionary dense-phase pump technology for greater application efficiency and significant powder coating savings. With over 4,000 hours of operation without replacement parts, HDLV pumps precisely meter powder to the gun with less air for superior coverage of recessed areas.

Used in hundreds of installations worldwide since 2004, this proven and perfected technology is uniquely suited for fast colour change systems and works perfectly with any powder.

PowderPilot HD System Control

Easy advanced control

PowderPilot™ HD provides intuitive control of the entire system during operation and color change. From advanced electrostatic controls, to a step-by-step illustrated color change guide, PowderPilot HD makes it easy for operators to use all the advanced features built into the system.

The on-screen color-change guide helps to achieve the fastest color change without costly mistakes. Touch-screen with graphic operator interface is easy and intuitive to use.

Remote connectivity means our engineers are always available to support you with system status checks and diagnostics.

Built-in data collection tools and operating timers assist with maintenance schedule and production monitoring.



Graphic touch-screen for easy operation.

Pioneers
of dense phase
technology

since 2004

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.

Dense-Phase Technology 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 Lönningen GmbH & Co.KG

Nordson Industrial Coating Systems

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