



# Spectrum<sup>®</sup> **HD** powder feed center\*

Lean Process Control...Clean, Efficient and Precise

\* *patent pending*

*Performance by design*

 **Nordson**



# Clean, Efficient, Precise

**A Complete Powder Management And Application Solution**



## **Closed-loop powder management system**

Ensures powder containment during operation and color change for a cleaner, safer, more productive environment.



## **Automated self-cleaning process**

Consistently delivers the highest quality, fastest color changes – any operator, any day, any shift – same results.

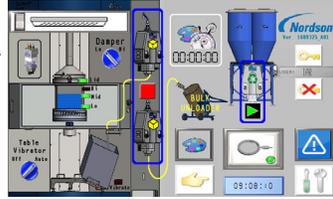


## **Integrated dense phase pump technology**

Precision dispensing for consistent coating results.

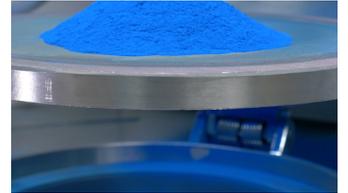
# The cleanest coating environment and optimum powder handling conditions offer complete production confidence, while reducing operator interaction.

- A simple touch screen interface guides the operator through the color change process, reducing error and skill dependency.



- Exclusive cylindrical powder hopper design, with centrifugal high pressure cleaning, cleans automatically with no corners or areas for powder to hide.
- Fresh powder is automatically fed in to the system, direct from the box, to support any production run and further reduce operator intervention.

- A variable frequency ultrasonic sieve, fitted as standard, automatically conditions powder for the highest quality painted finish and eliminates problematic screen blinding. For additional peace of mind, sieve performance can be monitored during production.



- All powder management and system controls are consolidated in one place, reducing factory footprint and enhancing operator ergonomics.
- Tool-free operation provides a simple and intuitive process.

## With integrated dense phase technology, there's no comparison.

The Spectrum HD feed center integrates HDLV pump technology for precision dispensing, sophisticated color change control and the lowest cost per painted part. With more than 10 years of field-proven experience, Nordson remains at the cutting edge of HDLV pump technology.

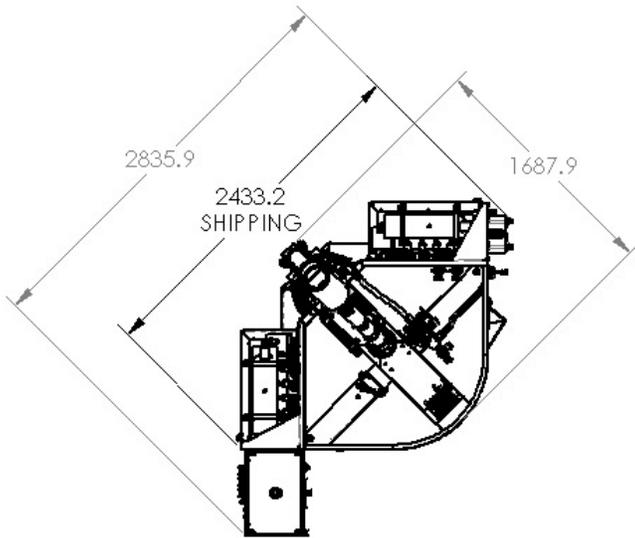
- Patented dual chamber pump design ensures consistent powder flow rate over time.
- HDLV pumps deliver linear and proportional powder output on demand while consuming less air, passing along savings in energy consumption.
- With maintenance-free operation up to 2,000 hours, each pump provides true lean process control.
- Enhanced pump performance and better cleaning consistency lead to a long-lasting increase in quality.

### What is dense phase technology?

HDLV technology is coating with a high density of powder and low velocity air. It removes uncontrolled variables from the coating process, such as pump wear and color change cleaning consistency. The result is better process control, superior coverage and fast, reliable color change that boosts productivity and reduces cost.

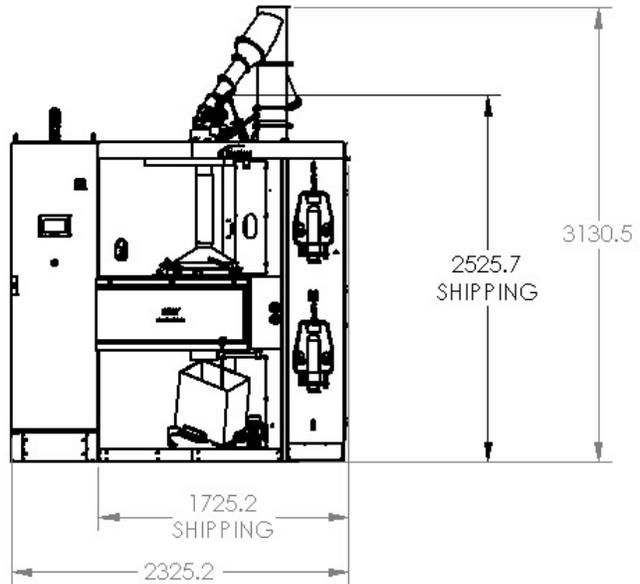
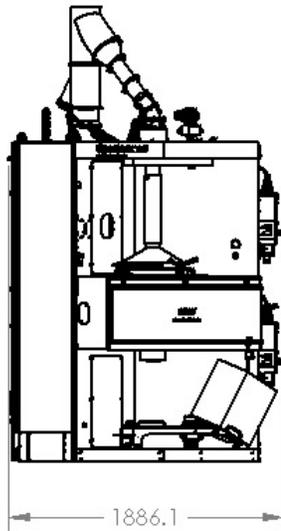
- HDLV pumps use less air to propel dense phase powder to the spray gun.
- Dense phase gun output is four times slower, producing a softer spray pattern and higher transfer efficiency.
- HDLV pumps last longer and require less maintenance than venturi pumps.





## Specifications

<b>Voltage (Amps)</b>	480/3/60 (3.1 amps) 415/3/60 (3.6 amps) 575/3/60 (2.6 amps) 380/3/50 (3.9 amps) 380/3/60 (3.9 amps) 200/3/50 (7.5 amps)
<b>Air Input Size</b>	1" NPT Adapter
<b>Vibratory Table Motor</b>	.18 HP (.13 KW)
<b>Air Consumption</b>	
<b>HDLV High Capacity Pump</b>	56 SCFM max. – During paint mode with two virgin and two reclaim pumps  38 SCFM max. – During paint mode with one virgin and one reclaim pump
<b>Color Change</b>	328 SCFM max. – Instantaneous flow rate during purge sequence at a 40% - 50% duty cycle



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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.

## Nordson Industrial Coating Systems

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