

Horizon® Series Powder Spray Booths



Provide efficient, flexible and clean coating operation in automatic and manual powder coating applications.



Nordson Horizon® booths are designed to provide efficient, flexible and clean coating operation in automatic and manual powder coating applications. Utilizing a unique “down-draft” design and Nordson-pioneered cartridge-filter technology, Horizon booths provide high material utilization and fast color-change capability in a space-efficient, economical system.

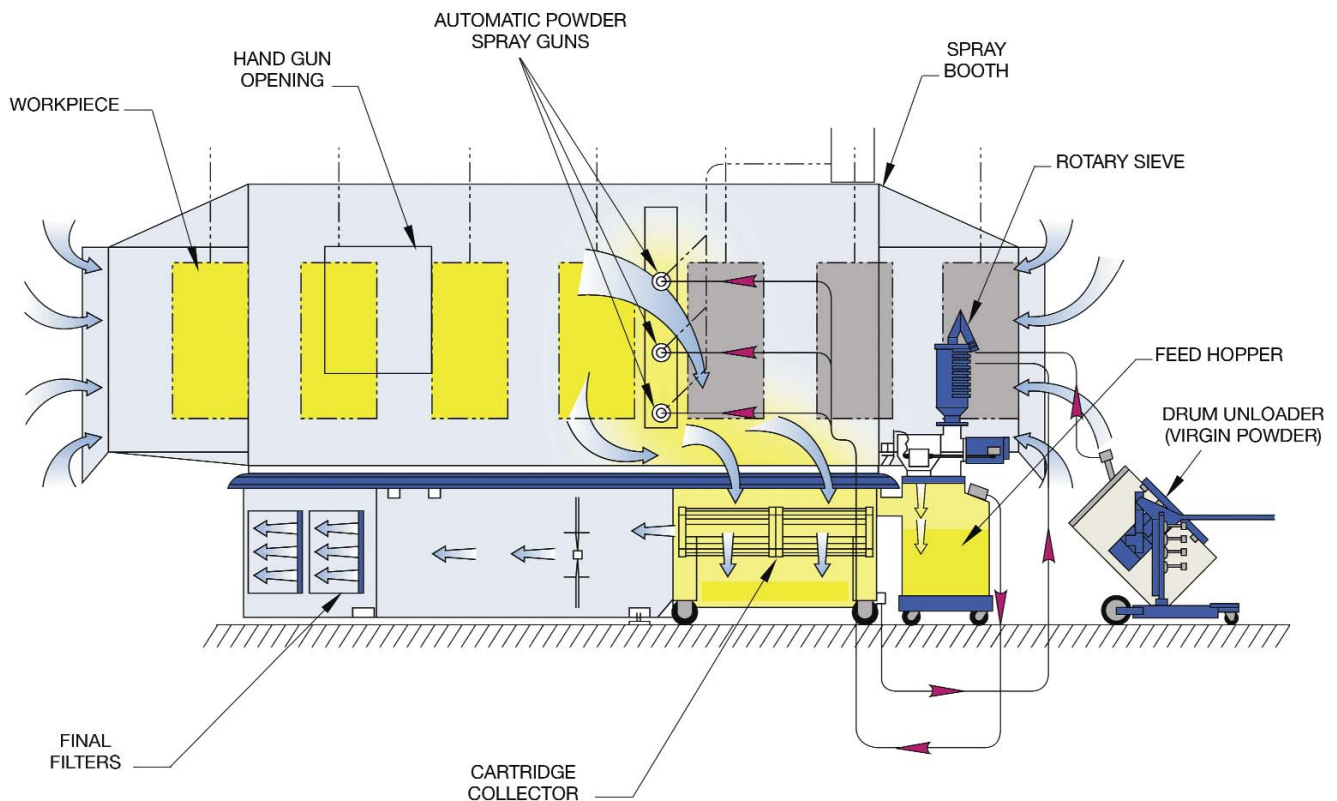
Whether you coat large or small parts using automatic and/or manual guns, Horizon booths are designed to meet your specific application requirements, and are available in sizes ranging from 2,000 to 5,500 cfm. Factory preassembly of the booths prior to shipment to your plant helps to reduce installation time and speed start up.

All Horizon powder booths features easily removable cartridge-filter collector modules to facilitate color-change and cleaning operations.



- Unique, down-draft booth design
- Polypropylene booth canopy
- Highly efficient cartridge-filter technology
- Easily removable filter/collector module
- Convenient controls for operator ease

Horizon® 400 Powder Booth Flow Schematic



Features and Benefits

- **Proven cartridge-filter technology** – improved filter cleaning prevents excessive powder build-up on cartridges for extended service life and improved operating efficiency.
- **“Pre-shipment” assembly** – arrives nearly fully assembled at customer plant for fast, easy installation.
- **Strong, high-performance polypropylene canopy** – reduces attraction of charged powder to booth walls for easy cleaning and high transfer efficiency.
- **Removable filter/collector module** – speeds color change and reduces the possibility of color contamination for improved operating efficiency.
- **Efficient space utilization** – modular design minimizes space required for installation and operation.
- **Microprocessor-based system control** – the optional Nordson booth controller monitors and controls automatic powder addition, and monitors and records system air supply dew point, low or high final-filter differential pressures, and other fault conditions to ensure complete control of booth operations.
- **Final filter sensor** – triggers system shutdown should final filter become clogged.
- **Centralized, easy operator interface** – centralized location of electrical and pneumatic gauges allows easy operator access for system operation.
- **Hopper level sensor** – automatically controls powder flow back to hopper on demand for improved fluidization and greater operating efficiency.
- **Reduced compressed air consumption** – improved fluidizing, cartridge cleaning and transport of recovered powder overspray greatly reduces energy and air consumption and overall operating costs.
- **Inductive proximity sensor switch** – ensures proper sealing of the color module to the fan section for greater operating reliability.
- **Complete operating and maintenance manual** – accompanies each unit shipped to facilitate operation and troubleshooting.

Specifications¹

	Horizon 400 Booth	Horizon 200 Booth
Booth Enclosure²		
Width	6 ft.	5 ft.
Length	16 ft. 2 in. 22 ft. 4 in. (includes vestibules)	9 ft. 0 in. 15 ft. 10 in. (includes vestibules)
Height	3 ft. and part height	2 ft. 4 in. and part height
Overall System²		
Width	6 ft. 8 ft. (with optional gun vestibules) 15 ft. (with platforms)	5 ft. 12 ft. (with platform and auto gun console platform)
Length	22 ft. 4 in.	16 ft. 8 in.
Height	6 ft. 6 in. and part height	5 ft. 4 in. and part height
Circulating Fan		
	10 hp AC, TEFC, 1750 rpm, with v-belt drive	5 hp AC, TEFC, 1725 rpm, with v-belt drive
Compressed Air Consumption (with six guns)		
Minimum	75 SCFM	50 SCFM
Working Pressure	80-100 psi	80-100 psi
Electrical Data (approx. system current with 10 guns and rotary screener, without oscillator)		
38 amps	208V, 3 phase, 60 Hz	208V, 3 phase, 60 Hz
35 amps	230V, 3 phase, 60 Hz	230V, 3 phase, 60 Hz
21 amps	380V, 3 phase, 60 Hz	380V, 3 phase, 60 Hz
18 amps	460V, 3 phase, 60 Hz	460V, 3 phase, 60 Hz
14 amps	575V, 3 phase, 60 Hz	575V, 3 phase, 60 Hz

¹ The information presented here is representative of typical system configurations.
Other options are available to tailor equipment to specific application requirements.

² Actual system footprint may vary based on overall system dimensions.

Nordson reserves the right to make design changes to products to improve their function.
These changes may occur between printings.

For more information, talk with your Nordson representative or contact your Nordson regional headquarters office.

United States

Amherst, Ohio
Telephone: 800.626.8303
Facsimile: 888.229.4580
Web: www.nordson.com/powder
Email: powder@nordson.com
www.nordson.com

Canada

Markham, Ontario
Telephone: 800.463.3200
905.475.6730
Facsimile: 905.475.8821
www.nordson.ca

Europe

Erkrath, Germany
Telephone: 49.211.9205.0
Facsimile: 49.211.254658
Email: powder.systems@de.nordson.com
www.nordson-finishing-eu.com

Japan

Tokyo, Japan
Telephone: 81.3.5762.2700
Facsimile: 81.3.5762.2701
www.nordson.co.jp

Asia/Australia/Latin America

Amherst, Ohio
Telephone: 440.985.4000
Facsimile: 440.985.1096
24-hour message service:
440.985.4797
Email: intcustomerservice@nordson.com

