



# ColorMax<sup>®3</sup> Powder Spray System

**Modular Design for Varying Work Heights**



The Nordson ColorMax<sup>3</sup> powder spray system's modular design handles a variety of work heights to accommodate changing production requirements. The booth is constructed of proprietary Nordson Apogee<sup>®</sup> canopy material, which has the least amount of powder attraction of any material on the market today, and resists powder attraction to further expedite color-change operations.

The ColorMax<sup>3</sup> system consists of proprietary Nordson HDLV<sup>™</sup> (high-density powder, low-volume air) pumping technology, as well as Sure Coat<sup>®</sup> automatic and manual spray guns, for maximum production flexibility with fast color change, and unsurpassed coating performance and efficiency.

### Efficient operation

- **Innovative booth design** assures fast color changes without entering the booth.
- **HDLV technology** continuously returns powder back to feed center for peak recovery efficiency.

### Optimal spraying conditions

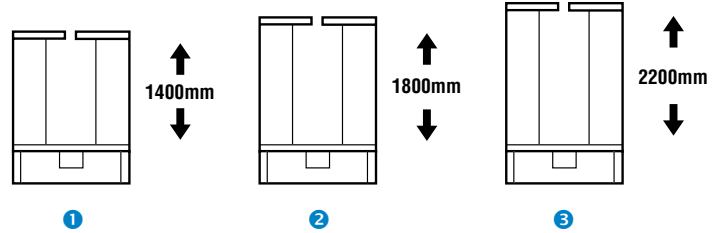
- **Automatic floor air wash system** minimizes powder-in-process for better system efficiency.
- **Open-face canopy design and external manual touch-up stations** improve first-pass transfer efficiency with full and easy access around part.

### System performance by design

- **Proven single extraction plenum** reduces contamination risk.
- **Innovative booth airflow design** assures powder containment for better operating efficiency.
- **Proprietary Nordson Apogee canopy material**, enhances color-change speed, eliminates the possibility of cross-contamination of colors, and makes routine booth cleanup quick and easy.
- **Modular booth construction** allows flexible layout.

## Modular Booth Design Offers Variety of Work Heights

The modular booth design and construction of the ColorMax<sup>3</sup> system includes a variety of work heights available for improved layout flexibility to accommodate varying production requirements.



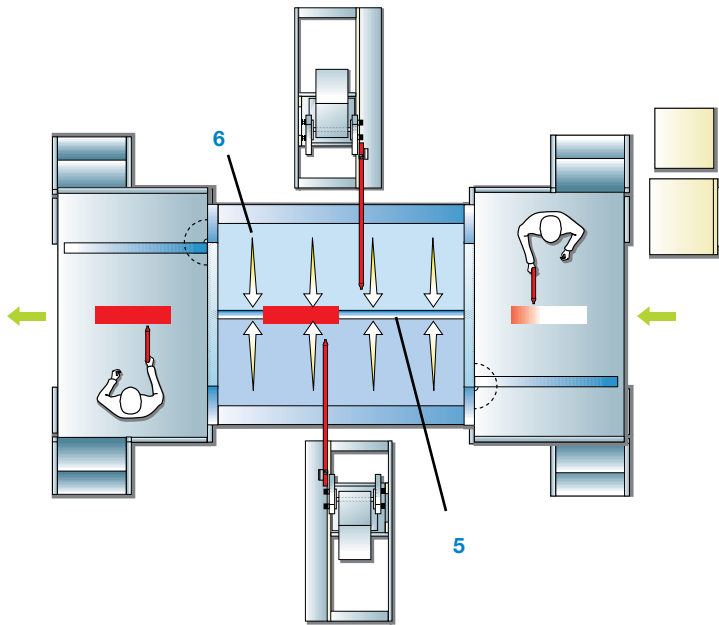
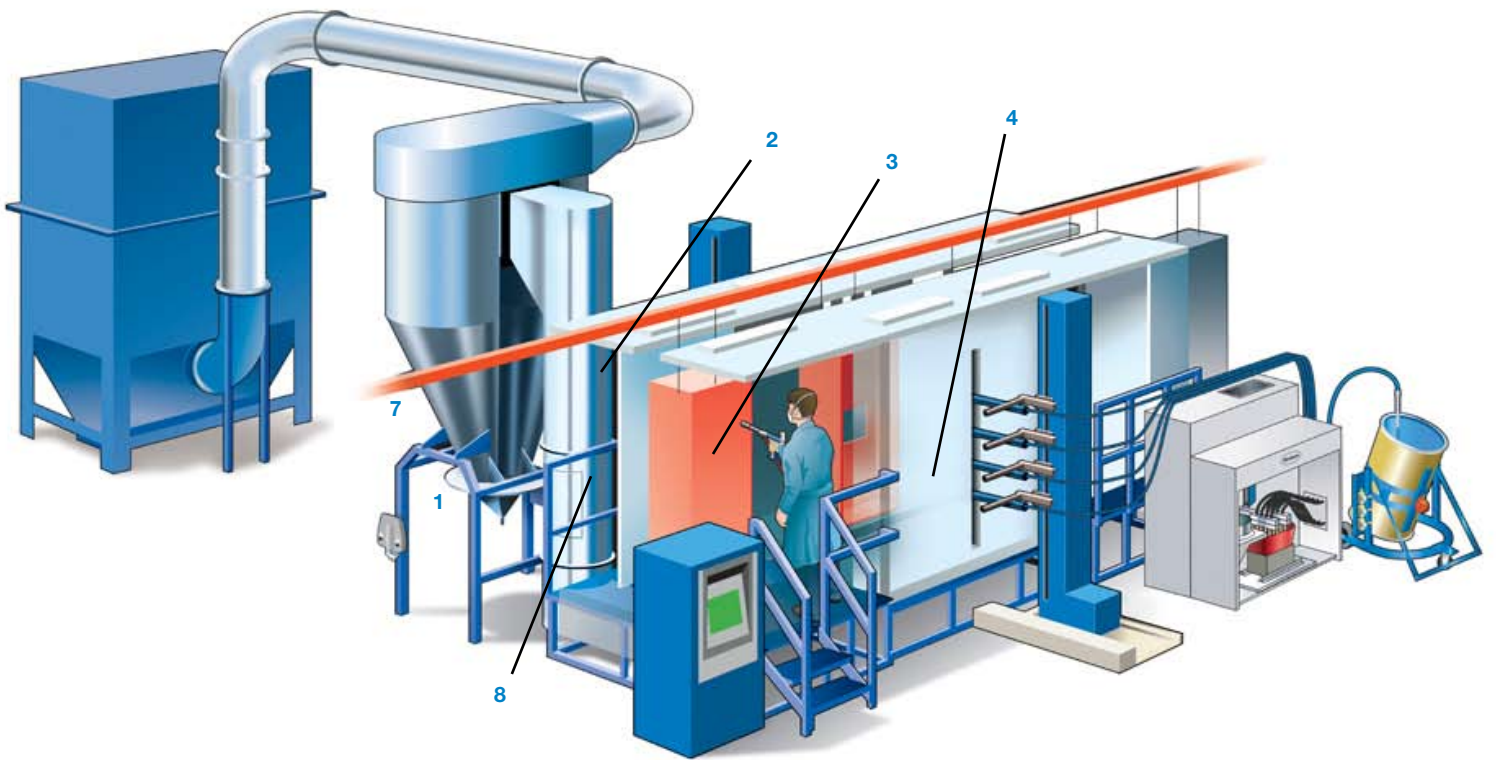
#### Work Height:

- ① 1400 mm (55 in.)
- ② 1800 mm (71 in.)
- ③ 2200 mm (86.5 in.)

#### Width:

1000 mm (39 in.)





**1** HDLV transfer system continuously returns powder back to the feed center

**2** Manual spray walls for easy pre- and post-touchup

**3** Unrestricted operator access for manual coating

**4** Apogee<sup>®</sup> walls resist powder attraction and enhance system efficiency

**5** Single plenum along the center of the booth

**6** Airwash moves powder to the extraction plenum and ensures minimum powder-in-process

**7** Access doors in cyclone

**8** Access door in plenum

For more information on ColorMax® powder spray systems, talk with your Nordson representative or visit our website at [www.nordson.com/powder](http://www.nordson.com/powder)

## iControl® Integrated Control System

The state-of-the-art iControl integrated control system features digital flow and easy-to-understand, icon-based graphics for optimal operating ease and system performance in any language. With the system's built-in, dual flash card unit, it can accommodate up to 255 presets to allow adjustments of various gun control parameters such as flow rate, atomizing, KV and current for various part styles. Each card slot accepts a 128MB commercially available flash card that can be used to back up system operating parameters, as well as store additional application parameters for a virtually infinite number of part styles.

With digital iControl technology, the operator can access the preset-table screen to enter and edit preset parameters for all guns, in an easy-to-use table format. The operator can view all gun settings in a single screen and quickly copy settings to all guns for easy preset setup.

The iControl system also provides user-programmable presets for in/out positioning of gun movers and reciprocator control. For in/out positioning of guns, features include user-programmable presets for lancing, contouring, and positioning based on part depth, shape and width. Automatic gun mover control provides additional application flexibility and greater film-build control.



For reciprocator control, features include user-programmable presets for variable stroke speed and variable-stroke length. Reciprocator control provides additional flexibility and greater control for varying part heights and part speeds.

## Sure Coat® Automatic Spray Gun

Nordson's Sure Coat automatic powder spray gun provides proven Nordson technology and performance in an air-purge cleanable design for fast, easy cleaning, both inside and out, without gun disassembly. Used with Select Charge® technology, finishers can achieve superior coating coverage and efficiency across all types of applications, including recoats, from the simplest to the most complex part geometries.



## Encore™ Manual Powder Spray System

Since it was introduced, Encore has been a big hit with finishers all around the world. Its plug-and-play design features a lightweight gun with simple yet flexible on-gun controls and display. Encore also features digital closed loop flow control, 20 presets and a pump that delivers higher powder flow using less air. This provides better repeatability, more powder and softer spray, resulting in higher transfer efficiency as well as both powder and compressed air savings. Encore offers unprecedented operator control and comfort for consistent, repeatable, high-quality painting performance.



**For more information, speak with your Nordson representative or contact your Nordson regional office.**

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