



# ColorMax<sup>®</sup> powder spray booth

Engineered for Fast Color Change

*Performance by design*

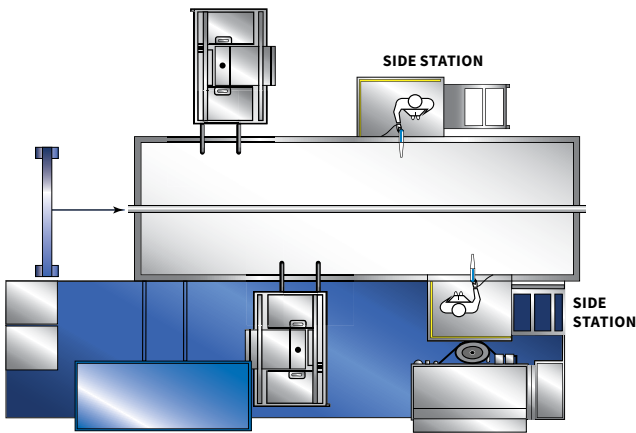
 **Nordson**

## The ColorMax 2 System – Fast Color Change in Three Standard Models

The ColorMax 2 quick color change powder spray system is optimized for efficient, repeatable powder application and fast, contamination-free color change. Numerous system features help to minimize powder in process and aid in system cleaning – providing the ability to change colors quickly.

The fully integrated design of the ColorMax 2 system substantially reduces downtime and material waste for improved productivity. With the superior operating flexibility of the ColorMax 2 system, powder coaters are able to easily manage a broad range of colors, as well as both short and long runs to fit lean production schedules. As a result, manufacturers achieve maximum productivity with minimum downtime.

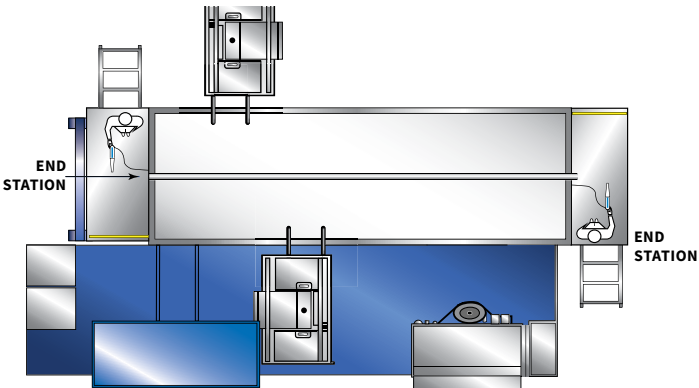
The ColorMax 2 system is available in two model types – engineered and cubed. Based on your application parameters, you can choose the configuration that best meets your needs. Model types are determined by the location of the manual operator station, as illustrated in the tables below.



Layout CE (Illustrated Above)

ColorMax 2 Engineered			
	Layout AE	Layout BE	Layout CE
End Station	0	0	0
Side Station	0	1	2

- **The ColorMax 2 engineered system** allows manual stations on the side of the booth.
- **The ColorMax 2 cubed system** always has manual stations positioned at the front and back ends of the booth.



Layout AC (Illustrated Above)

ColorMax 2 Cubed	
	Layout AC
End Station	2
Side Station	0

## Contamination-Free Color Change

- **Uniquely designed, easy-to-clean, steel twin cyclones** facilitate complete cleaning of all surfaces.
- **Hinged sections on the twin cyclone pivot open** for easy access.
- **Open design** provides thorough visual inspection of areas that could cause cross-contamination.

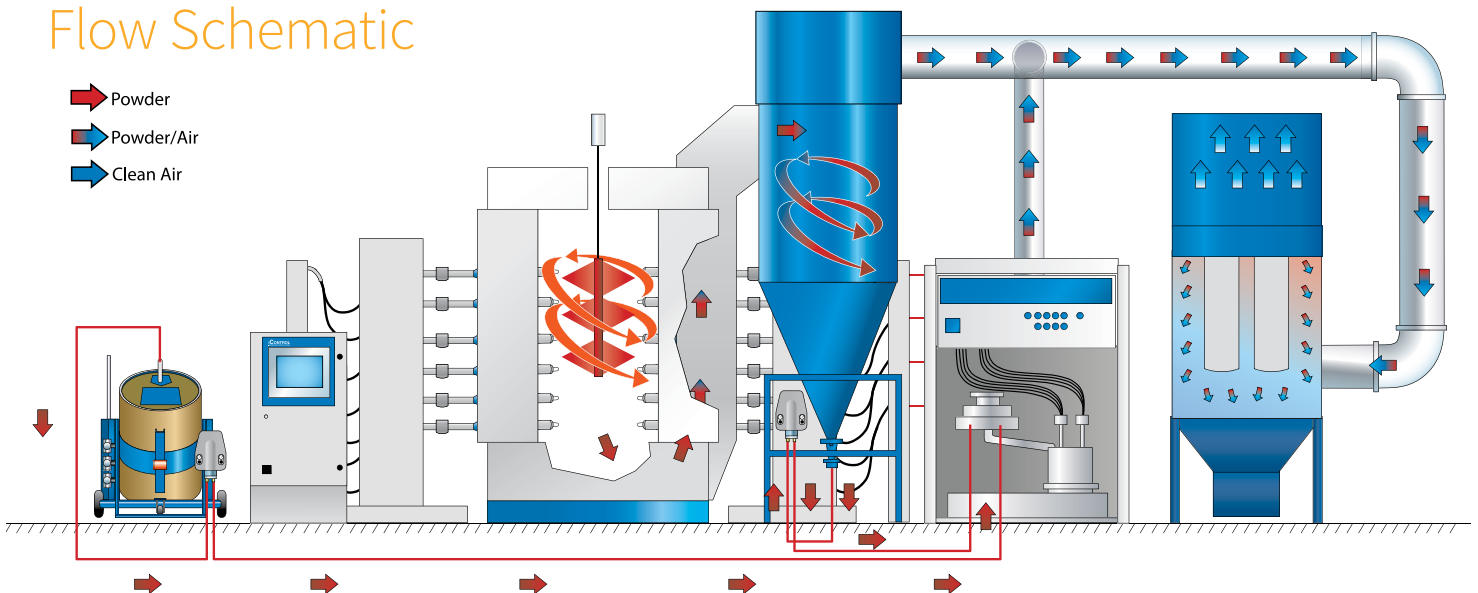


## Optimized Powder Recovery/Recycling

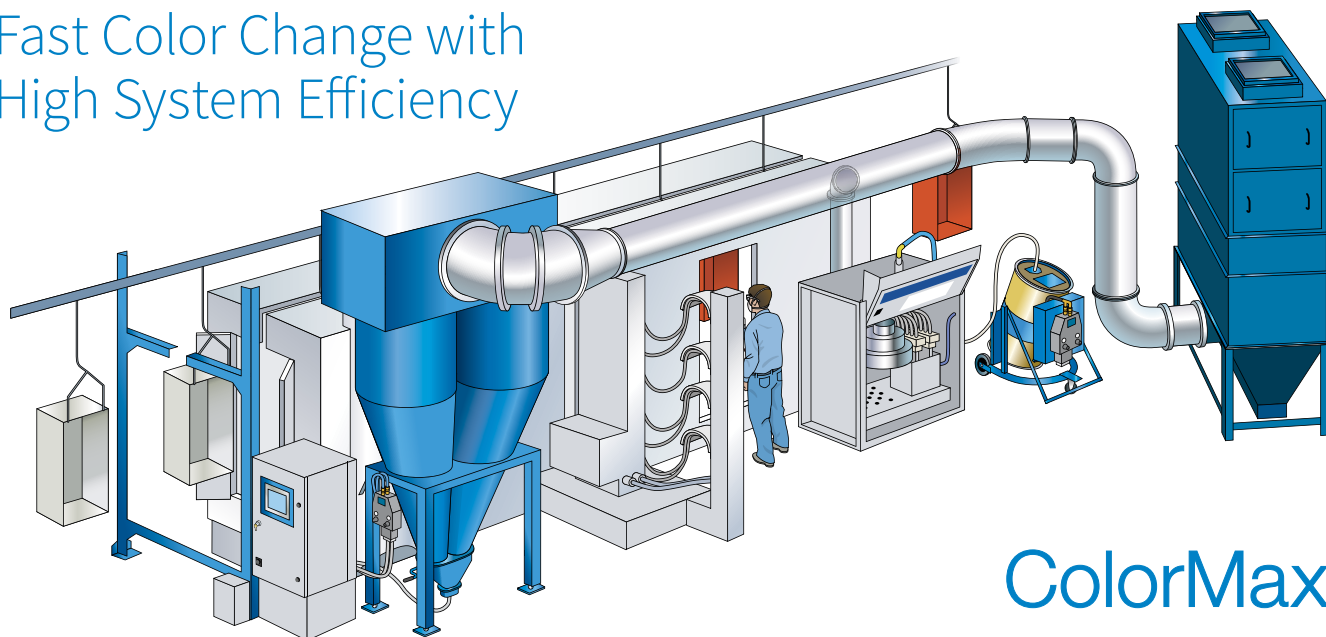
- **Using the HDLV transfer pump**, the ColorMax 2 system continuously evacuates powder from the twin cyclone resulting in maximum cyclone efficiency.
- **The high transfer output of the HDLV transfer pump** results in minimum powder in process at any given time during operation.



## Flow Schematic



# Fast Color Change with High System Efficiency



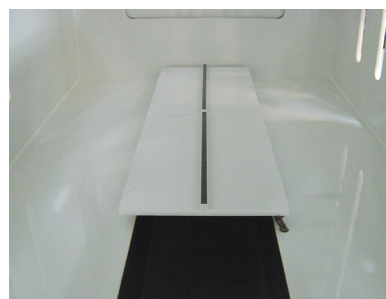
ColorMax<sup>®</sup> 2

## Streamlined Canopy and Booth Design

- **The booth's non-conductive canopy is constructed with patented Apogee<sup>®</sup> composite material** for minimal powder attraction and retention resulting in minimal powder in process.
- **Reduced powder attraction/retention also results in less powder** to clean during color change and easier removal of the powder from the canopy using only compressed air.
- **The stainless steel booth floor** provides maximum durability and grounding of operators during cleaning for improved safety.

## AeroDeck<sup>™</sup> Air Distribution System

The AeroDeck high velocity air stream keeps airborne powder from the AeroWash air knives moving to the cyclone – minimizing powder build-up in the spray booth and reducing color change time.



## AeroWash<sup>™</sup> Base Cleaning System

The AeroWash air knives use compressed air to periodically remove settled powder from the booth floor into the high velocity AeroDeck air stream.



## Built-in Safety

The ColorMax 2 system meets applicable NFPA safety requirements to assure safe and reliable operation.





## Encore® Powder Feed Center

The ColorMax® 2 system incorporates the Encore powder feed center. This feed center is designed for fully automatic powder delivery, recovery and color change, with maximum powder usage and minimal powder loss.

- **Accommodates up to 27 pumps in one feed center.**
- **The Encore in-line pump design** allows for quick and thorough cleaning of the entire powder delivery circuit.
- **A high-pressure compressed air purge manifold sends a powerful burst of air through the siphon tube, pump, powder hose and guns** for quick, effective, automatic cleaning during color change.



The highly efficient vibratory sieve with deck screen helps to eliminate any potential contaminants from both virgin and reclaimed powder sources.

## Automatic Gun Cleaning

High pressure air knives are located at the automatic gun slots. This allows high-pressure, automated cleaning of the gun exterior. It also eliminates disassembly and manual cleaning, all while speeding color change time.



## iControl® 2 Integrated Control System

The iControl system includes closed-loop digital control for atomizing and flow rate to the pump, helping to eliminate variations in powder flow at the gun. A compact flash drive is used to store up to 255 user-configurable presets by color or part type for optimum repeatability of all powder application parameters. The iControl system also provides user-configurable presets for part identification and in/out positioning of reciprocators and oscillators, as well as speed and stroke of reciprocators.

- **In/out positioning of guns** – includes user-configurable presets for lancing, contouring, and positioning based on part depth, shape, and width. The in/out positioner control allows for more precision application for a variety of part sizes and shapes.
- **Reciprocator control** – includes user-configurable presets for variable speed and stroke length. Reciprocator control allows for greater control of varying part heights and conveyor speeds.



## Features and Benefits

- **The fully integrated design of the ColorMax® 2 system substantially reduces downtime and material waste – and improves productivity.**
- **The system is optimized** for efficient, repeatable powder application and fast contamination-free color change.
- **The ColorMax 2 system meets applicable NFPA safety requirements** to assure safe and reliable operation.
- **A high-pressure compressed air purge manifold sends a powerful burst of air through the siphon tube, pump, powder hose and guns** for quick, effective, automatic cleaning during color change.
- **Uniquely designed, easy-to-clean, steel twin cyclones** facilitate complete cleaning of all surfaces.
- **The highly efficient vibratory sieve with deck screen** helps to eliminate any potential contaminants from both virgin and reclaimed powder sources.

## AeroWash™ and AeroDeck™ Air Stream

- **The AeroWash air knives use compressed air** to periodically remove settled powder from the booth floor into the high velocity Aero-Deck air stream.
- **The AeroDeck high velocity air stream** keeps airborne powder from the AeroWash air knives moving to the cyclone.
- **Automated cleaning of the gun exterior with high pressure air knives located at the automatic gun slots** eliminates disassembly and manual cleaning and helps to further speed color change time.

## Booth Construction

- **Non-conductive canopy with patented Apogee® composite material** reduces powder attraction and retention for minimal powder in process.
- **The stainless steel booth floor** provides maximum durability and grounding of operators during cleaning for improved safety.

## Encore Feed Center and Pump

- **The Encore powder feed center** is designed for fully automatic powder delivery, recovery and color change – with maximum powder usage and minimal powder loss.
- **The Encore in-line pump** allows for quick and thorough cleaning of the entire powder delivery circuit.

## HDLV Technology

- **The HDLV transfer pump continuously evacuates powder from the twin cyclone** resulting in maximum cyclone efficiency.
- **The high transfer output of the HDLV transfer pump** results in minimum powder in process at any given time during operation.

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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.

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