



# ColorMax<sup>3</sup><sup>®</sup>

**Fast Colour Change Powder Spray Booth**



ColorMax<sup>3</sup>; the fastest colour change booth available. Improve quality, reduce downtime and maximise your production.

With a proven worldwide installed base, the ColorMax<sup>3</sup> booth delivers the highest colour change quality in as short as 5 minutes, ensuring confident and consistent production.

Manufactured from advanced materials and with a unique design the system features quick clean twin cyclones with direct operator access, Powder Feed Centre and an ATEX certified cartridge afterfilter that provides the containment airflow within the booth.

The ventilated Feed Centre delivers powder direct to the

## Coating Performance, Cubed



AirWash system continuously transports oversprayed powder from the patented Apogee booth floor, safely and quickly recycling it back to the powder feed container.



Minimal powder in process at all times due to highest transfer efficiency and AirWash system contributing to a clean, and safe coating environment with less to colour change.



Unrestricted operator access around the product for manual touch up facilitates perfect results and simple, easy coating

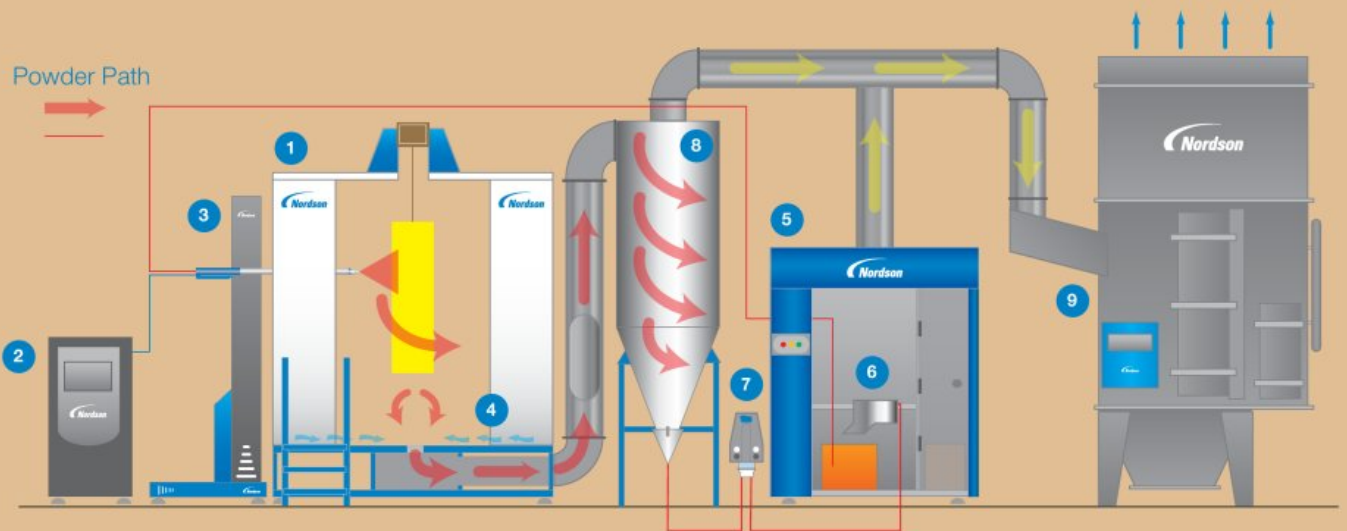
spray guns from the powder container and then sieves the recycled material directly back to the same container. The placement of the sieve inside the Powder Feed Centre offers increased sieving quality and eliminated powder waste which may be caused by alternative placement. Colour change time is optimised as the system automatically internally purges clean air through the powder delivery hoses and guns.

ColorMax<sup>3</sup> also features the unrivalled AirWash and Apogee floor cleaning system which maintains

minimum powder in process at all times during coating, keeping recyclable powder safely stored in its container and ensuring a clean and safe coating environment.

Choose from a range of optional extras including automatic external cleaning of each gun surface for further reduced colour change time, or light curtain product detection and gun mover profiling for consistent gun to part distance regardless of the product.

- Quick and simple colour change procedure, easy to carry out
- No need for the operator to enter the booth, safe and clean environment
- Maximise efficiency by recycling powder *during* the colour change



- 1 ColorMax<sup>3</sup>® Fast Colour Change Booth :** Advanced booth materials ensure minimal attraction and that all surfaces are easily and quickly manually cleaned with a pneumatic blow lance.
- 2 iControl<sup>®</sup> Application Controller :** A stylish and sophisticated touch screen digital controller to manage all of the coating parameters, recipes, triggering and gun movers.
- 3 Gun Mover and In/Out Mover :** Oscillating / reciprocating vertically or profiling different width products in and out of the booth, optimum spraying conditions are maintained.
- 4 Apogee<sup>®</sup> Floor and AirWash System :** Patented Apogee composite floor material resists damage from falling products
- 5 Powder Sieve :** Vibratory or ultra-sonic as an option, the sieve conditions the recycled powder ready for spraying again. The design makes it easy to monitor during production and simple to colour change.
- 6 Prodigy<sup>®</sup> HDLV<sup>®</sup> Pump :** A dense phase transport pump that keeps the cyclone surge hopper empty and the recycled powder safely back in its container. Features automated colour change without disassembly.
- 7 Twin Cyclone :** If you can see it you can clean it! Nordson's unique highest efficiency dual cyclone design has the shortest interconnecting duct with several easy access points that allow assured colour changes and quick inspection.

and ensures minimal powder attraction. AirWash system rinse cleans powder on the floor in to the recycle stream to prevent dangerous build ups of powder within the booth. Should maintenance be required the floor is safely walkable without risk.

- 5 **Powder Feed Centre :** Feeds powder to the spray guns directly from the container and recycles back via the sieve

- 9 **ATEX Certified Afterfilter :** Cartridge afterfilter that provides the containment airflow within the booth. Fitted with digital pressure drop monitoring and cartridge cleaning system, safety filters that allow air to be returned to the factory environment and pumping system on the waste hopper.



Pictured:  
Prodigy  
dense phase  
application

## Controls Packages

Choose from our standard or advanced control systems for application and system control.

Standard controls feature simple pneumatic and electrostatic gun controls and operator functionality for the booth, recycle and recovery equipment. Housed in an IP54 dust-tight enclosure, with 3-phase isolator, and includes a pre-configured volt-free contact, available for booth condition status. Each installation also includes thermal overload, airflow monitoring and conveyor movement safety interlocks.

Additionally, our advanced iControl or PowderPilot products feature touch screen operator interfaces, closed loop digital flow control of pump air, 255 coating recipes, password protection of settings and production statistic reporting functions.

## Application Packages

ColorMax€ is suitable for use with all types of application equipment, traditional corona, tribo, or dense phase. Our pioneering Prodigy dense phase technology (pictured, left) optimises the three key areas of the powder coating process; transport, dispensing and recycle to provide coaters with full process control that leads to powder savings, improved product quality and reduced operating costs.

Subject to the application, items shown may differ from quoted specification

