

COLOR CHANGE POWDER BOOTH

THE CLASSIC CARTRIDGE MODULE BOOTH



WELDED STAINLESS STEEL-BUILT TO LAST

The Classic WAGNER Color Change Powder Booth System is designed to be efficient, durable and affordable. It is a totally self-contained system custom engineered to improve operator performance and productivity while enhancing coating quality.

The booth is custom designed with automatic spray stations and manual spray stations specifically configured to meet your coating requirements, fit in your designated space and to complement your entire finishing line. Pre-touch-up or post-touch-up stations are also custom designed to fit your needs.

The entire booth system can be mounted on a manual or powered movable base and v-groove track. This allows the booth to be moved off-line in the event that multiple booths are used or if the painting line has a liquid coating operation on the same line.

The industry unique welded stainless steel enclosure with catalyzed filler in the flat seams, is not only factory pre-assembled for fast, easy installation, but built to last.

BOOTH DESIGN FEATURES

Booth Enclosure

Stainless steel tunnel with clear plastic roof and side panels for interior lighting, sloped entrance/exit vestibules, rigid flat floor, self supporting slotted roof for conveyor hook.

Operator Spray Stations

2'-6" W x 5'-0" H opening

Automatic Gun Spray Stations

Custom designed slots, polypropylene vestibule

Operator Platforms

Staircase and safety handrails

Caster Base Assembly

For manually moving the booth on/off line

Fan Plenum Assembly

Fan housing and final filters

Integrated Booth Control Panel

480 V.3 Ph/60 Hz wiring

Booth Fluorescent Fixtures

Customized roof and wall-mounted fixtures

Booth Pneumatic System

Air valves and manifold pre-piped

Booth Perimeter Manifold

1/4" IPS compressed air taps

Blow-Off Gun Assembly

Spray stations and collector

Booth Interlocks

IR Systems, automatic guns and conveyor

Conveyor Emergency Stop

Located by one manual station

EQUIPMENT PRE-ASSEMBLY

Factory Assembly

Complete booth assembled prior to shipping.

Factory Wiring

All motor, control panels and switches

Factory Air Piping

Pulse system, manifolds and controls

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EASY TO USE

The dedicated Color Change Collectors allow for nearly 100% usage of powder and a quick, contamination-free color change. Powder is sprayed into the booth enclosure by either manual or automatic spray equipment. As air is drawn through the operator and work openings, it carries the powder over-spray horizontally inside the enclosure, and into the powder recovery collector. The roll-away collector is attached to the booth by a simple strap-latch that allows the self-aligning collector to be drawn as tight as required from a single point. The collector can be removed from the booth in seconds. The filtered air is drawn into the fan inlet and is discharged through the Final Filters back into the plant.

Inside the collector, the powder deposited on the cartridge filters is automatically dislodged by a reverse-pulse of compressed air. This momentary snap of air allows the powder to fall into the single removable Integral Hopper under the cartridges where it mixes with the fluidized virgin and recycled powder. This unique closed-loop powder recovery system design ensures a consistent blend of powder disposition throughout the operation. The virgin make-up powder is loaded in the Collector through the load chute above the hopper. This chute also allows for the inspection of the powder level and fluidization in the hopper. The Integral Hopper is outfitted with gun feed pumps which feed the powder mixture directly to the guns.

Using the Wagner Systems Collector for other colors is as simple as changing filters. The collector is designed for easy removal of the filters, moving the powder into the removable Integral hopper and cleaning the seamless interior. The filters for the next color are installed in minutes. The Wagner Collector can also be used as a scrap collector for colors which are not recycled. The powder is collected in a bin for disposal.

ROTARY SCREENER

The dedicated Color Change collector can be equipped with a rotary screener system. The rotary sieve screener conditions the virgin and recycled powder by sifting and removing contaminants on a continuous line basis. The scrap powder and contaminants are discharged to the scrap receiver. The sieve has safety interlocks to prevent start-up if the unit is open. The sieve will yield savings in substantial reduced gun and venturi pump wear, consistent powder deposition, reduced coating film build, reduced product rejects and rework.

OPTIONS

- Recycle Hopper
- Rotary Sieve
- Mounting Frame
- Sieve Powder Separator Assembly
- External Gun Feed Hopper
- Scrap Powder Hopper
- Transfer Pumps
- Scrap Bucket
- Assembly Hardware



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