

The manual coating booth COLO-S series are ideal for small batches and highest quality.

Value • Flexibility • Performance



COLO-S-1517



COLO-S-2315

**100% Polyester filters,
quick-release type**



simple PLC control unit

THE ADVANTAGES OF THE COLO-S BOOTH:

- Powder coated steel booth, moveable
- Delivered ready for connection
- Integrated Illumination
- Mobile powder collecting hopper
- Simplified filter cartridge for changing
- Supervision of minimal exhaust air volume

Technical Data

COLO-S-1517

COLO-S-2315

No. of filter elements	2	4
Extraction volume	4000Nm ³ /h	6600Nm ³ /h
Fan power, effective	2.2kw	4.0kw
Voltage/Frequency	3x380-420V/50HZ (or as request)	
Compressed air consumption	15Nm ³ /h/6bar input pressure	
Weight (approx.)	480kgs	580kgs

Booth dimensions

Width	1500(1580) mm	2300(2550) mm
Depth	1000(2000) mm	1500(2100) mm
Height	1700(/2150) mm	1500(2240) mm

Walk-in Booths

Walk in Booths (also called Cabin Booths) are ideal when coating large and bulky or heavy parts.

As the name suggests, after the part to be coated has been rolled into the cabin, the operator walks in and coats the parts from all sides.

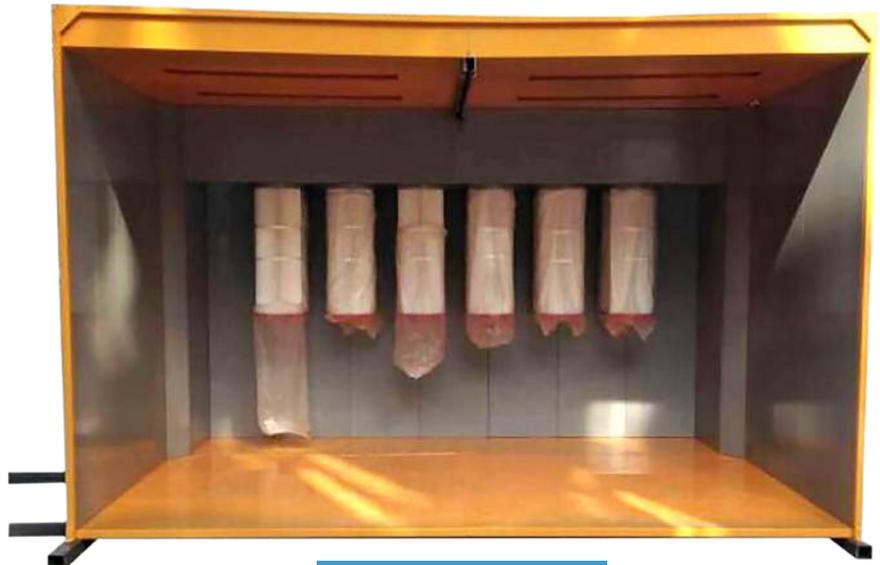
These parts are then rolled out directly into the powder curing oven.

These booths find use in batch system for control panels, cabinet, large iron cast products, etc.

Walk in Booths also could have mono Cyclones as a recovery system.



COLO-S-3222



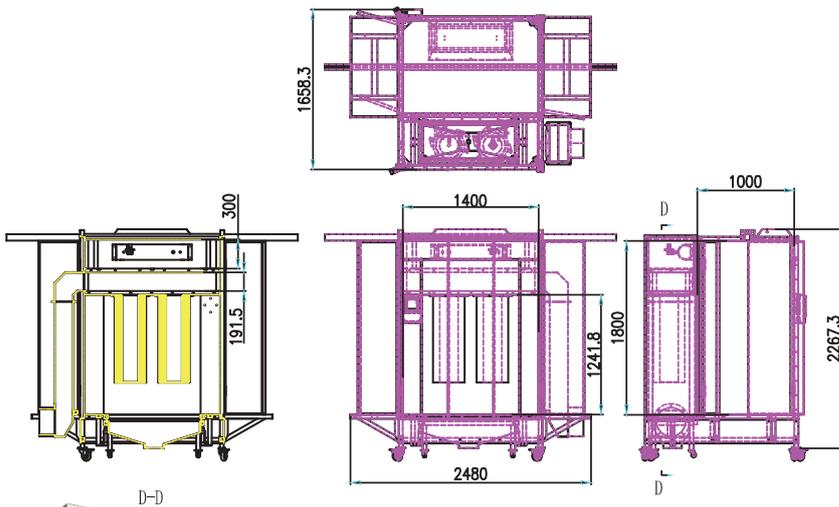
COLO-3924

Model	COLO-S-3222	COLO-3924
Working dimensions	W3000 *H2000 *D1700mm	W3900 *H2400*D2400mm
Overall dimensions	W3080 *H2080*D2200mm	W4013 *H3347*D2713mm
Filters count	4 pcs.	6 pcs.
Nominal power	2.2kW	5.5kW
Nomival voltage	As required	As required
Air consumption	4000m3/h	8000m3/h

Value • Flexibility • Performance

Tunnel Booths

- This booth is having side doors & article holding track entry & exit is from side through doors.
- By this way material handling is systematic i.e. from one side entry, coating & then exit from other side.
- If for spraying two side, could make 2 operation doors.
- In exceptional case, if article is very long then a door can be kept open & coating is done step by step by moving article slowly.
- In this case recovery will be reduced.



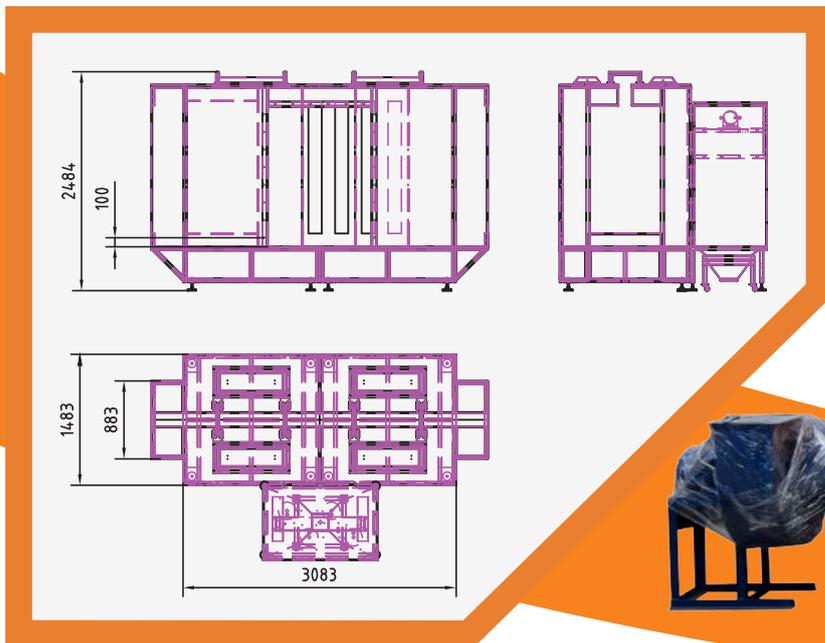
COLO-S-2152



Model:COLO-S-2152

Booth Type	Closed-drive-thru	Frequency	50-60Hz
Operator dimensions	1400*1800*1000(W*H*D)	Filters	Polyester
Overall dimensions	2500*2300*1500(W*H*D)	Filters count	2
Weight	450kg	Filters hang type	easy for change
Power supply	Electric	Filter cleaning system	Pneumatic
Nominal power	3.5kW	Air consumption	10,200m ³ /h
Voltage	380V	Warranty	12 months

Special for LPG cylinder



COLO-S-3145

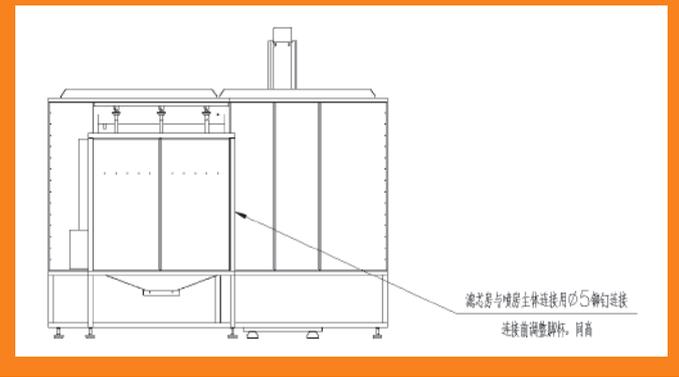
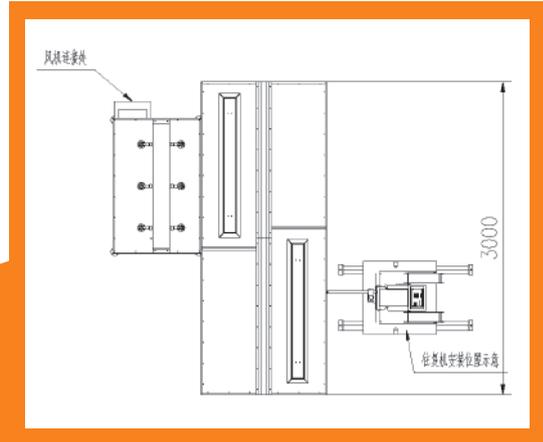
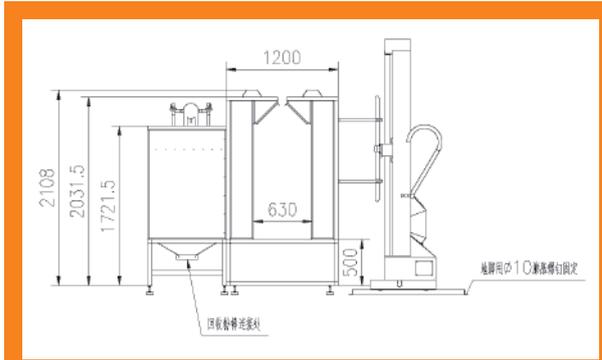
Tunnel type with rotatable hanger and track on the top of spray booth suitable for spraying all round or cylinder parts.
 With One hand spraying door and a automatic operating door



Booth Type	Drive-thru	Frequency	50-60Hz
Operator dimensions	1400*1800*1000(W*H*D)	Filters	Polyester
Weight	750kg	Filters count	4
Power supply	Electric	Filters hang type	easy for change
Nominal power	5.5kW	Filter cleaning system	Pneumatic
Voltage	380V	Warranty	12 months

The coating booth is designed for the double-sided automatic or manual coating with a conveyor system.

Parts enter the booth through the conveyor openings, then pass the coating operator stations to receive the coating. The powder overspray is entrained within the air stream moving to the collector module, where the cartridge filters will remove the particulate. The containment air is drawn through the air handler's primary and final filter system before being discharged back into the room. Coated parts exit the booth for conveyance to the cure oven.



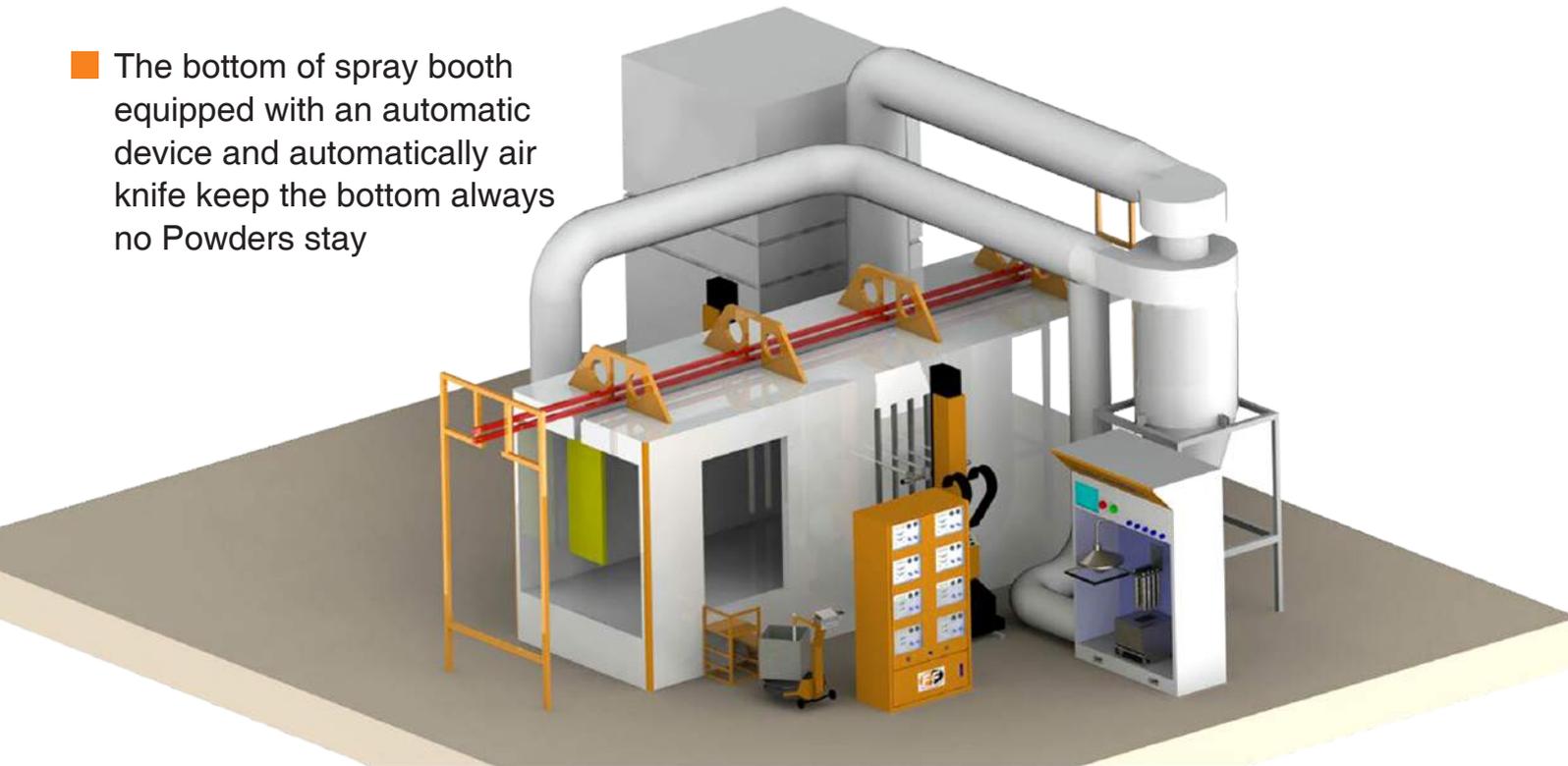
COLO-S-3212



- Operator dimensions** 620width x 1500 height x 2920 depth (2PCS)
- Overall dimensions** 1200width x 2033 height x 3000 depth
- Weight** 500kg
- Power supply** Electric
- Nominal power** 3.5kW
- Voltage** 380V(can be different as request)
- Frequency** 50-60Hz
- Filters** Polyester
- Filters count** 3
- Filters hang type** easy for change
- Filter cleaning system** Pneumatic
- Warranty** 12 months

Mono-cyclone fast color change powder coating booth

- The bottom of spray booth equipped with an automatic device and automatically air knife keep the bottom always no Powders stay



Cyclone bottom cone bucket can be quickly separated from the barrel for easy cleaning.

Mono-cyclone Separator

- Mono-Cyclone single-tube structure makes clean up shorter color change.
- Mono-cyclone separation rate of up to 98%.
- Disc Cone bucket and cylinder junction of the filter shaking motor efficiency vibration screening.
- Removable disk cleanup filter with change
- Bevel the bottom of the bucket can be configured to work in alternate double balloon valve.
- Bevel the bottom of the bucket can be configured to pump fluidized powder + powder pump delivery forms.
- Exhaust pipe at the bottom end face of the circular cover plate can be quickly disassembled for cleaning



Plastic powder coating booth for fast color changes !



Comparing with the metal spray booth, the PVC powder coating booth has obvious technical advantages;

- In the high-voltage electrostatic field, inner wall of PVC booth brings the charge with the same polarity as the powder particles, making the inner wall's rebound effect on the powder particles because of homogeneous repulsion, so that more powder can gather to the workpiece, which effectively improves the spraying efficiency.
- Less powder adsorption to the inner wall makes less powder go through the powder coating equipment, achieving high powder utilization to save powder.
- High efficiency of the bottom exhaust, matching with the discharge device of "large-diameter double-whirlwind powder separator + terminal filter", makes the least powder accumulation and the most environmental-friendly emission.
- Air compressed gun can easily blow off the powder that has attached to the booth wall, helpful to rapid cleaning.
- According to the production requirement, you can choose appropriate type of automatic powder coating control center to improve the main task of spraying, to save time and energy.
- Variable frequency stepless speed regulation reciprocator can carry automatic spray gun perfectly, and complete the spraying task successfully.
- Optional powder self-recycling feed center ensures maximum utilization of powder and least waste, so you don't need to worry about the automatic powder recovery, filtering and powder return to the powder hopper.

Multi-cyclone +Post filters recovery system-for easy mobility and faster clean up operation



Multi Recovery System

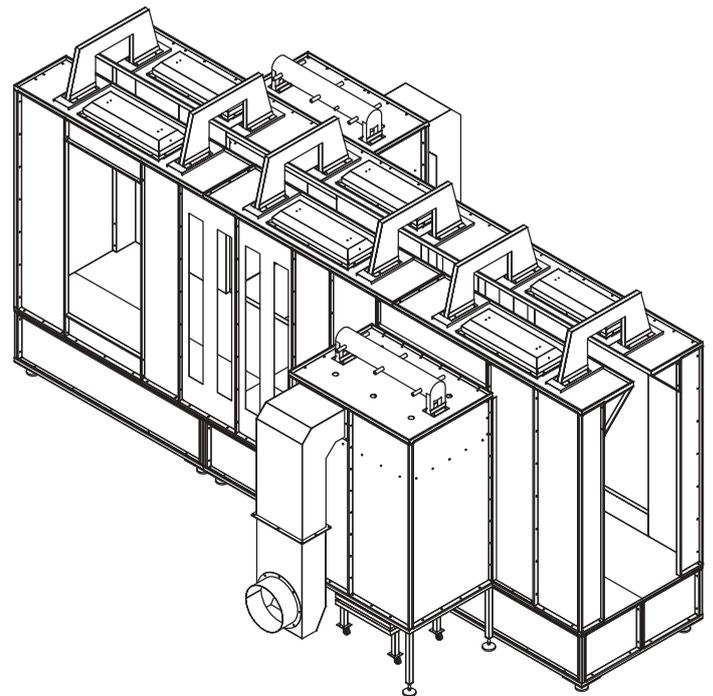
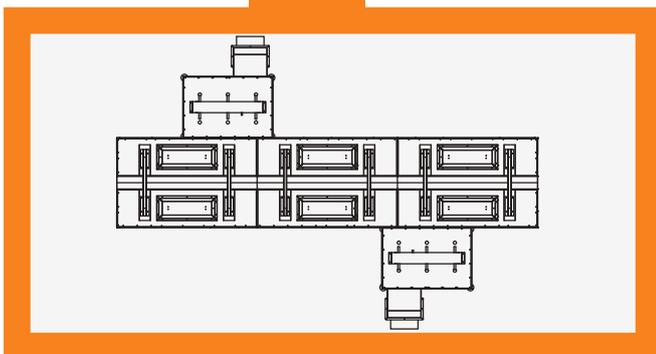
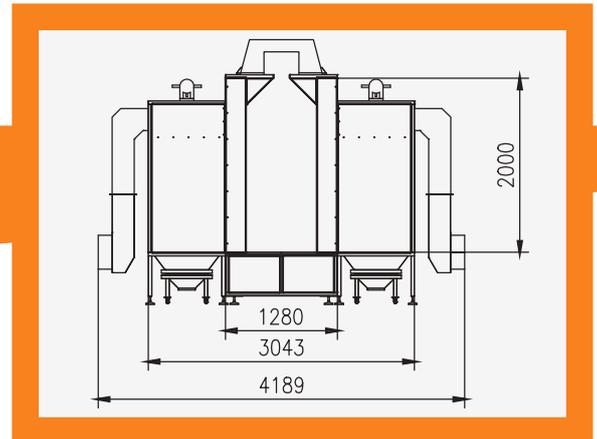
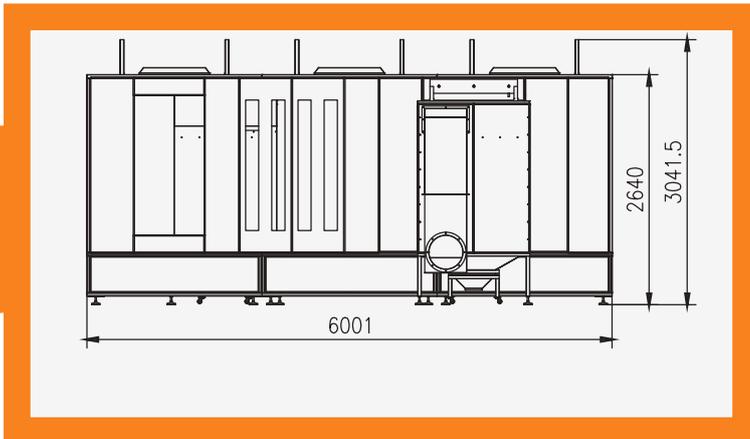
- Multi-pipe type small cyclone make the contact area of powder separation more .
- Molding guide vanes make ventilation more stable uniform volume and the bottom of the powder hopper quickly removed and the side access windows make clean up easier.
- Compact structure, small size, not require so many in the space for workshop.
- You can choose to configure multiple small cyclone unit performed easily and quickly change color.

After filter system

- Multiple filters make filtering area enough.
- The efficiency of filter is up to 99%.
- The precision of filter can reach 2-5 microns.
- Advanced rotary wing filter for cleaning system.
- Automatic pulse-type counter blowing cleaning control models make the operation condition of the filter better and longer life time.
- Air package to ensure that the air flow and air pressure to clean up when you make a more thorough clean-up.
- Several side access window clean-up easier.
- Top-mounted exhaust fan with ventilation so that the form of least resistance.
- Top fan room side panel can be removed to facilitate later maintenance.

Single grade filter element powder recycle powder coating booth

- The economic and widely used powder recycle system
- Powder recycle rate it is about 98-99%
- Only suit for simple coating (2-5 colors)
- Simple and reasonable structure ,easy to maintenance



Model	COLO-S-Basic Type
Booth Type	filter type
Operator dimensions	W800*H2000*D6000mm
Overall dimensions	W1200*H2500*D7000mm
Voltage	As required

workpiece detection system

With grating induction and detection, workpiece delivers the signal which was monitored, to the central control system, then the central control system calculates the work time of workpiece's arrival towards spray gun, thus automatically opens or closes automatic spray gun, based on the conveyor chain speed that encoder has detected.



Applications:

All kinds of automatic powder coating applications.

Features:

- Automatic control;
- save powder
- reduce the empty spray;
- improve the uniformity of the layer.

Specifications:

Gap control: it opens spray gun only with the workpiece existing so as to reduce the empty spray. It is used to identify gaps and workpiece's width, which opens spray gun only with the workpiece existing. Moreover, when spraying workpieces with different width or thickness, the system can automatically adjust the distance that the spraying gun towards the surface of workpieces to make it keep the same, in order to reduce the empty spray and improve the uniformity.

Lab spray booth



COLO-S-04548-T

(W400mm*H500mm*D480mm)

Lab curing oven



COLO-4355-T

(W450mm*H500mm*D350mm)



Colo-S-0711

(700width*1000 height *800 depth)



Colo-V-T2

Portable Voltage tester



Colo-8822

Thickness Meter



Colo-8856N

microprocessor thickness meter



Colo-0686

Gloss Meter



Rotary wing

Venturi

Titular

Polaco

Nueces



Fan motor



Powder application equipment and accessories



Spraying zozzle

Carriage filter

100% polyester ,common or imported materials can be supplied as request



Common type filter available sizes:

- 325*215*600mm
- 320*220*600mm
- 325*215*900mm
- 320*220*900mm



Powder sieve equipment

Quick-release type filter available sizes

- 325*215*600mm
- 325*215*900mm