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

Value • Flexibility • Performance

100% Polyester filters, quick-release type

simple PLC control unit

THE ADVANTAGES OF THE COLO-S BOOTH:

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

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>COLO-S-1517</th>
<th>COLO-S-2315</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of filter elements</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Extraction volume</td>
<td>4000Nm3/h</td>
<td>6600Nm3/h</td>
</tr>
<tr>
<td>Fan power, effective</td>
<td>2.2kw</td>
<td>4.0kw</td>
</tr>
<tr>
<td>Voltage/Frequency</td>
<td>3x380-420V/50HZ (or as request)</td>
<td></td>
</tr>
<tr>
<td>Compressed air consumption</td>
<td>15Nm3/h/6bar input pressure</td>
<td></td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>480kgs</td>
<td>580kgs</td>
</tr>
</tbody>
</table>

**Booth dimensions**

<table>
<thead>
<tr>
<th></th>
<th>COLO-S-1517</th>
<th>COLO-S-2315</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>1500(1580) mm</td>
<td>2300(2550) mm</td>
</tr>
<tr>
<td>Depth</td>
<td>1000(2000) mm</td>
<td>1500(2100) mm</td>
</tr>
<tr>
<td>Height</td>
<td>1700(/2150) mm</td>
<td>1500(2240) mm</td>
</tr>
</tbody>
</table>

www.colourspray.com
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.

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

Model: COLO-S-2152

<table>
<thead>
<tr>
<th>Booth Type</th>
<th>Closed-drive-thru</th>
<th>Frequency</th>
<th>50-60Hz</th>
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<tbody>
<tr>
<td>Operator dimensions</td>
<td>1400<em>1800</em>1000(W<em>H</em>D)</td>
<td>Filters</td>
<td>Polyester</td>
</tr>
<tr>
<td>Overall dimensions</td>
<td>2500<em>2300</em>1500(W<em>H</em>D)</td>
<td>Filters count</td>
<td>2</td>
</tr>
<tr>
<td>Weight</td>
<td>450kg</td>
<td>Filters hang type</td>
<td>easy for change</td>
</tr>
<tr>
<td>Power supply</td>
<td>Electric</td>
<td>Filter cleaning system</td>
<td>Pneumatic</td>
</tr>
<tr>
<td>Nominal power</td>
<td>3.5kW</td>
<td>Air consumption</td>
<td>10,200m3/h</td>
</tr>
<tr>
<td>Voltage</td>
<td>380V</td>
<td>Warranty</td>
<td>12 months</td>
</tr>
</tbody>
</table>

www.colourspray.com
**Tunnel Powder Coating Booth**

**Special for LPG cylinder**

<table>
<thead>
<tr>
<th>BOOTH TYPE</th>
<th>Drive-thru</th>
<th>FREQUENCY</th>
<th>Filters</th>
<th>Filters count</th>
<th>Filters hang type</th>
<th>Filter cleaning system</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATOR DIMENSIONS</td>
<td>1400<em>1800</em>1000(W<em>H</em>D)</td>
<td>50-60Hz</td>
<td>Polyester</td>
<td>4</td>
<td>easy for change</td>
<td>Pneumatic</td>
<td>12 months</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>750kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>POWER SUPPLY</td>
<td>Electric</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOMINAL POWER</td>
<td>5.5kW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOLTAGE</td>
<td>380V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COLO-S-3145**

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

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

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

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

Plastic powder coating booth for fast color changes!

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 improve 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.

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

www.colourspray.com
Multi-cyclone Powder Coating Booth

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.

www.cloourspray.com
Single grade filter element powder recycle powder coating booth

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

<table>
<thead>
<tr>
<th>Model</th>
<th>COLO-S-Basic Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Booth Type</td>
<td>filter type</td>
</tr>
<tr>
<td>Operator dimensions</td>
<td>W800<em>H2000</em>D6000mm</td>
</tr>
<tr>
<td>Overall dimensions</td>
<td>W1200<em>H2500</em>D7000mm</td>
</tr>
<tr>
<td>Voltage</td>
<td>As required</td>
</tr>
</tbody>
</table>
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.

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 adjusts 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.

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

Applications:
All kinds of automatic powder coating applications.

Specifications:
Lab Equipment For Powder Coating

Lab spray booth

Colo-V-T2
Portable Voltage tester

Colo-S-0711
(700 width * 1000 height * 800 depth)

Colo-8856N
microprocessor thickness meter

Colo-8822
Thicknes Meter

Colo-0686
Gloss Meter

Lab curing oven

COLO-04548-T
(W400mm * H500mm * D480mm)

COLO-4355-T
(W450mm * H500mm * D350mm)
Equipment & Accessories

Powder application equipment and accessories

Spraying nozzle

Cartridge 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

Quick-release type filter available sizes
- 325*215*600mm
- 325*215*900mm

Rotary wing
Venturi
Titular
Polaco
Nueces

Fan motor

Powder sieve equipment

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