SuperCube plastic booth: colour changes in minutes

MINIMUM SPACE REQUIRED

SUPERFAST

AUTOMATIC AND MANUAL COATING

Powder colour change possible in less than 5 minutes!

www.wagner-systems.com
Everything compact – the quickest cleaning times

Whether fully automatic powder coating, or combined with pre- and/or after coating, SuperCube provides all the options. The optimal physics of the plastic sandwich construction ensures minimal powder adhesion to the walls and supports the best powder application onto the work piece.

From black to white in 4-5 minutes with 2 personnel – depending on equipment!

The ideal structural shape for powder coating

Compact, with no supporting frames and no pit excavation. Rectangular booth shape – also suited for horizontal gun arrangement. No powder deposits on the floor – super fast booth cleaning. Economical use of material. SuperCube combines these benefits, and:

- The option of pre- and after coating stands
- Blow-out device for the integral booth floor. This keeps the floor clean and blows the powder into the extraction slot

Fixed integral booth floor with blow-out device

The floor of the booth can be walked on, facilitating cleaning and maintenance work.

- Excellent illumination of the booth and manual coating stands thanks to booth lighting integrated into the roof
- Extraction of over-spray on both sides throughout the length of the booth. This creates a uniform air speed and good coating
- High application effectiveness due to low booth floor and vertical airflow
- No powder deposits thanks to optimisation of the air flows in the extraction channels (Twister effect)

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Manual coating stands eliminate the need for an additional manual booth

When planning the powder booth, the hand coating stands should also be taken into account. This makes the booth versatile in use.

- Manual coating stands possible at either end as an option
- The manual coating stand at the end has a hinged wall, which at the same time is used to shut off the flow line opening when changing the colour

- Manual coating stand also available with reversible stop (opening left or right)
- Each manual coating area has additional illumination
- Gun holder integrated into the booth wall

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SuperCube – the fastest colour change times – the shortest belt stoppage times

Compact construction:
- No pit required
- Bottom edge of work piece from 900 mm
- Low conveyor level
- Optimises the production run by avoiding gradients and minimising work-piece spacing
- Space-saving pipe installation for powder recovery

The minimum becomes the maximum

Less space required with higher performance and flexibility. The new SuperCube achieves the best utilisation of space so far in the field of plastic booths. The result is a greater production capacity on a smaller area, and with it a distinctly higher return on investment.

Note:
In practice, reciprocators are made safe with a barrier.
The super fast colour-changing concept

Modular construction of the peripheral systems
The Wagner plastic booths allow all current system components to be combined. All components are replaceable and can be integrated 100% into the Wagner module concept.

The practical powder supply for multi-colour operation
- Powder circulation operation
- 2 vibration tables for circulated and fresh powder
- Simple operation through a touch panel
- Integral powder extraction, 4,000 m³/h airflow
- Automatic fresh powder dosing with level monitoring
- Bi-directional level controlled movement of pick-up tubes

Optimising production
The decision on which booth is ideal for which requirement depends of course on the various individual requirements and processes. Thanks to the high level of flexibility and variability of the Wagner systems, it is possible to adapt them to suit all customer requirements.

Technical data

<table>
<thead>
<tr>
<th>SuperCube plastic booth</th>
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<tbody>
<tr>
<td>Air extraction rate</td>
<td>12,000 m³/h - 20,000 m³/h</td>
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<tr>
<td>Work piece widths</td>
<td>600 mm, 800 mm, 1,000 mm</td>
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<tr>
<td>Work piece heights</td>
<td>1,400 mm - 2,200 mm</td>
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<tr>
<td>Bottom edge of work piece</td>
<td>from 900 mm</td>
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<tr>
<td>Internal length</td>
<td>2,500 mm</td>
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<tr>
<td>Manual coating</td>
<td>Before, after, before+after</td>
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<tr>
<td>Automatic slots</td>
<td>1-2 per side</td>
</tr>
<tr>
<td>Mono cyclone and after-filter</td>
<td>12,000 - 20,000 m³/h</td>
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Complementary system components for the powder circuit
- Mono cyclone
- After-filter systems
- Ultrasonic sieving machines
- Powder centres
- Cleaning accessories

Complementary system components for the powder application
- Control cabinets
- Automatic XL powder guns
- Manual powder units
- Movement technology
- Sensing and recording systems