

ID powder booth system from Wagner



Ideal for every application



VERSATILE

POWERFUL

ECONOMICAL

WAGNER

www.wagner-systems.com

ID booth concepts - from small production runs to industrial manufacturing

The economy of the coating equipment and the professionalism of the coating result plays a major role when powder coating in trade and industry. A fast changeover to a new colour, almost 100% utili-

Main features:

- Everything integrated and from a single source!
Powder recovery, preparation and supply!
- Closed powder cycle with 100% recovery
- High suction performance of 4.000 m³/h, horizontal conduct of the air
- The large extraction grid avoids powder bounce-back and provides clean working conditions
- Booth and powder container, both mobile
- Generous practical booth lighting (for suspension booth and transfer booth)
- Corresponds to the ATEX guidelines

sation of the paint material and compliance with important safety aspects - these all contribute to the high performance of the ID booths from WAGNER.

Benefits for the user:

- Large coating opening, optimal utilisation of the size of the object
- Smooth interior, easy to clean
- Large service aperture at the rear
- Simple operation
- The control and monitoring of each active component can be individually regulated, ensuring better service life for pneumatics and electrics
- Short powder cycle, safeguards the powder
- Energy saving air circulation, the extracted air is fed back into the paint shop
- Also economical in mixed powder mode for individual colours



The ID suspension booth for small type and multi-coloured coating tasks

The ID suspension booth is ideally suited for the coating of individual parts or small production runs and also works extremely economically in mixed colour mode. The workpieces are hung at the front and coated manually.

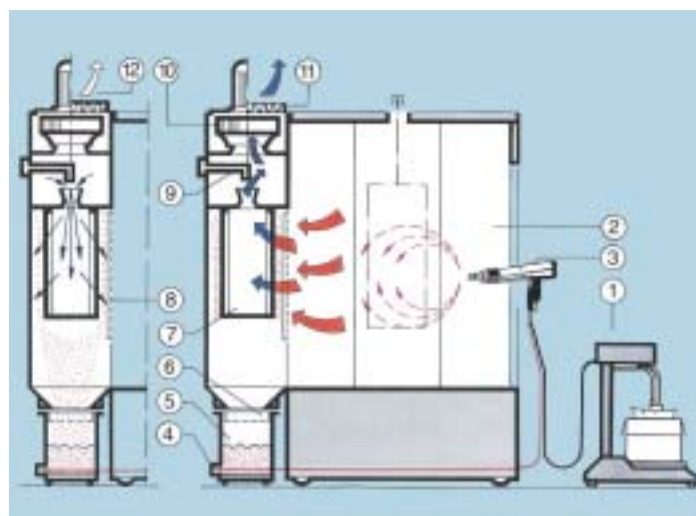
Main features:

- Spraying opening (B x H): 1.440 x 1.530 mm
- Ideal even for larger parts
- Integral generous lighting for maximum safety and convenience
- With stainless steel floor plate
- ID booths fulfill the ATEX guidelines

The closed powder cycle - 100 % powder utilisation

The functional process

The overspray is extracted by the extraction unit and gives up its charge to the deflector grid positioned in front of this (8). The filter cartridge (7) separates the powder from the powder - air mixture. The filtered air (12) goes back into the workshop. The 3 filters are cleaned automatically by periodic pulses of compressed air. The powder which is removed is sieved (6), collected in the powder container (5) and reused in the powder cycle.



Legend:

- 1 Control unit
- 2 Spray booth
- 3 Spray gun
- 4 Injector
- 5 Powder container
- 6 Sieving machine
- 7 Filter cartridge
- 8 Deflector grid
- 9 Cleaning nozzles
- 10 Ventilator
- 11 Safety filter
- 12 Clean air outlet

The WAGNER ID booth range - modern booth concepts for every application



The powder spray stand - for particularly large items
The powder spray stands comes into its own when normal and large items have to be coated. The inclined air guide plates ensure optimal overspray recovery and fast cleaning.

Main features:

- Suitable for coating large items
- Inclined air guide plates to steer the air flow
- Small set up area
- Suitable for integration into a parts conveyor system
- With stainless steel floor plate

- ID booths fulfill the ATEX guidelines
- Variant: spray stand with deep bottom



Transfer booth for coating small and large production runs
Small and large production runs can be coated extremely economically in the flow line operation.

Main features:

- Suitable for use as a single booth for manual and automatic operation or as an alternative booth for special colours
- Conveyor slots and vestibuls
- Integral lighting

- With stainless steel floor plate
- For more coating power: a 3.500 mm long version of the booth with two coating apertures
- ID booths fulfill the ATEX guidelines



Powder container, injector and filter - precise technology put into every detail

The power is continually sieved in the closed powder circuit. The sieving machine is easily removed when the powder container is uncoupled. High grade filter cartridges filter out any powder sprayed past the workpiece from the air flow so that the exhaust air can be returned to the workshop.



The powder container
For operation of the powder circulation the equipment includes a vibratory sieve and a fluid bed. The powder container is fitted with 4 castors for easy handling.



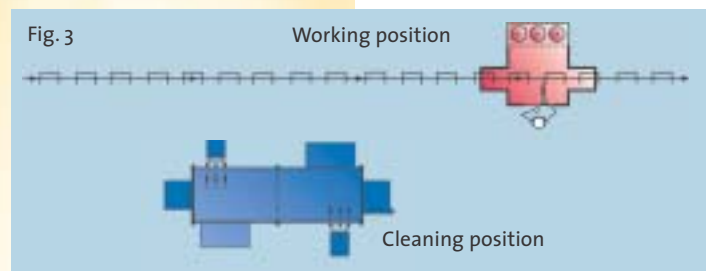
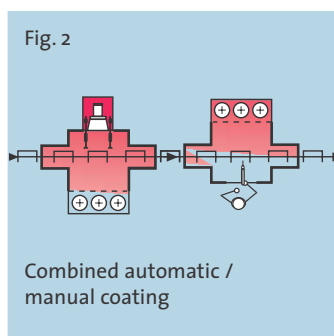
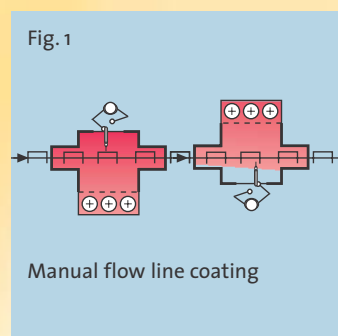
The filter cartridges
The filters used are made of high grade polyester fleece. This material is notable for its great stability (no abrasion of the fibres) and high tear strength and due to its smooth surface a good service life is guaranteed!



The injector PJ 2020 PRS
Decades of application experience have gone into this injector. It can meter the throughput precisely in any supply range ensuring a smooth powder delivery and an optimal coating result.

Manual or automatic - ID booth systems offer optimal application technology for all areas of use

The versatile application possibilities of the ID booths



Figures 1 and 2 show applications for two sided manual coating and a combination of manual and automatic coating.

Especially suitable for special colours: A combination of the mobile ID booth and automatic coating equipment (See Fig. 3).

Benefits:

- Cleaning and repositioning can be carried out without hindering production
- Quick availability in a small set-up area

Installations in many countries throughout the world – continuous operation around the clock!

WAGNER'S decades of experience in powder coating speak for themselves.

The rugged modular construction of WAGNER booths

makes it easy to match them to individual finishing needs of our customers. Technology and know-how – everything from a single source! The satisfied customers and excellent coating results of WAGNER powder coating speak for themselves.



Technical Data

Equipment features	Suspension booth	Powder spray stand	Transfer booth	Transfer booth 3,500
Integral lighting	yes	no	yes	yes
Powder container	yes	yes	yes	yes
Recovery	yes	yes	yes	yes
Deflector grid	yes	yes	yes	yes
Fixed castors	yes	yes	yes	yes
Sieving machine and fluid bed for circulation mode	yes	yes	yes	yes
Polyester fleece cartridges	yes	yes	yes	yes

Technical data	Suspension booth	Powder spray stand	Transfer booth	Transfer booth 3,500
Total air flow	4.000 m ³ /h			
Total filter area	30 m ²			
Power rating	2,2 kW			
Current supply	Three phase 380V/ 50Hz			
Compressed air requirement	20 Nm ³ /h			
Inlet air pressure	6-8 bar			
Powder container	80 litres			

Dimensions	Suspension booth	Powder spray stand	Transfer booth	Transfer booth 3,500
Width in mm	1.500	2.500	2.500	3.500
Depth in mm	1.900	1.900	1.900	1.900
Height in mm	2.485	2.485	2.485	2.485
Drain size W x H in mm			500 x 1.530	500 x 1.530



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