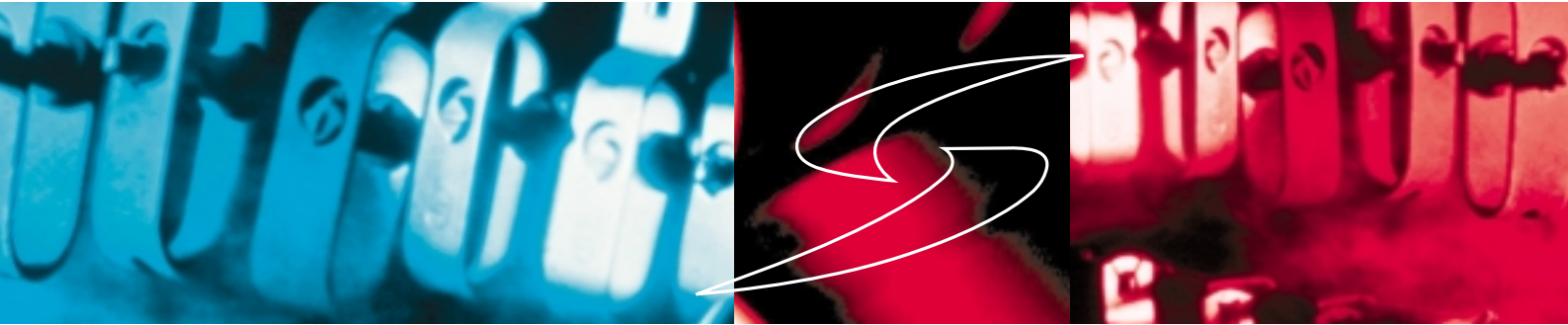


MANUCART 4500 BOOTH

Manual modular booth for electrostatic powder coating



USES

The MANUCART 4500 booth has been designed by SAMES to equip manual powder coating installations.

Ideal for limited spaces, the MANUCART 4500 booth is perfect for small and medium production series. It is also extremely useful for application on prototypes and samples and on parts moving along a conveyor. It can powder coat objects as big as 1.2 m in height, 1 m in width and 0.65 in depth.



ADVANTAGES

To give you entire satisfaction, SAMES has made this booth compact, mobile and adaptable to an automatic line.

Optimum safety and comfort

The perfectly regular horizontal air flow and low noise level of this installation contribute to making the work zone atmosphere very agreeable.

- For simplified use, the control cabinet integrates all electric and pneumatic functions and the pressure drop and cartridges unclogging read-out.

Sturdy construction and appropriate technology

- Because of its compact design and need for less floor space, the MANUCART 4500 booth fits easily into work shops and automatic lines.

- The MANUCART 4500 booth can be integrated rapidly into the customer's production outfit thanks to its easy mobility and fast and simple connections.

- Made of stainless steel, the MANUCART 4500 booth from SAMES only requires minimum maintenance and upkeep.

- When the MANUCART 4500 booth is used with a single colour, extra powder is recovered.

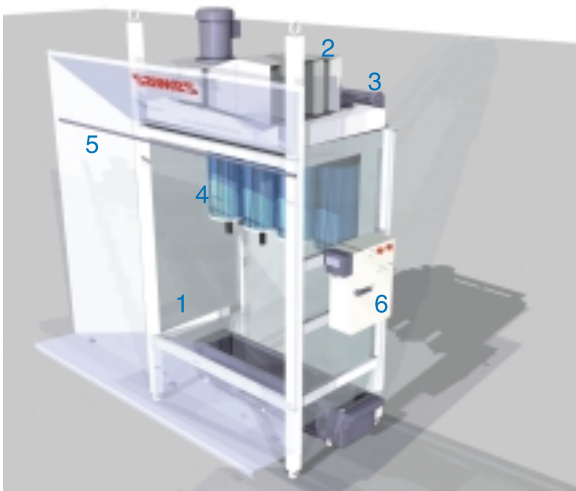
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DESCRIPTION AND WORKING PRINCIPLE

The MANUCART 4500 booth unit comprises, the powder enclosure (1), a ventilation-filtration system (2), an unclogging system (3) and cartridge filters (4) to recover extra powder. These elements represent the essential environment for operating application equipment.

Individual or groups of parts are hung on a bar (5) and coated in the central zone. A horizontal air flow prevents the powder from polluting the area outside the powder enclosure. Recovery of the powder residue is ensured by four filter cartridges. Unclogging of these cartridges is done at regular intervals by means of a counter current of pressurised air in the ventilation circuit. There is a large capacity plastic hopper on rollers for the powder.

The MANUCART 4500 booth's control cabinet (6) holds the unclogging function. This cabinet can be located either on the right or the left of the booth. The electrical and pneumatic connections are "fast connecting".



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TECHNICAL CHARACTERISTICS

Booth		Work part
Overall height	3100 mm	1200 mm
Working surface	650 mm	
Width	2300 mm	1000 mm
Depth	1500 mm (table folded) 1900 mm (table unfolded)	650 mm
Powder hopper	2000 mm	
Weight	450 kg	30 kg
Filter cartridges	4	
Air flow	4500 m ³ /h	
Filtering surface	128 m ²	
Power installed	5 kVA	
Ventilator power	3kW	
Compressed air consumption	18 Nm ³ /h at 5 bar	

OPTIONS

In sheet metal adapted for use on automatic line.
With hanging portico for specific parts.

REGULATIONS

This booth conforms to 89/392/EEC "machine" rules.
Reject rate conforms to article R 232-5-5 of the work code.