



# **EasyCompact**

**Powder-coating booth with fast colour change system**

*Productivity, Economy, Compact Size and Ergonomics are the key words that sum up requirements in the surface treatment business today.*

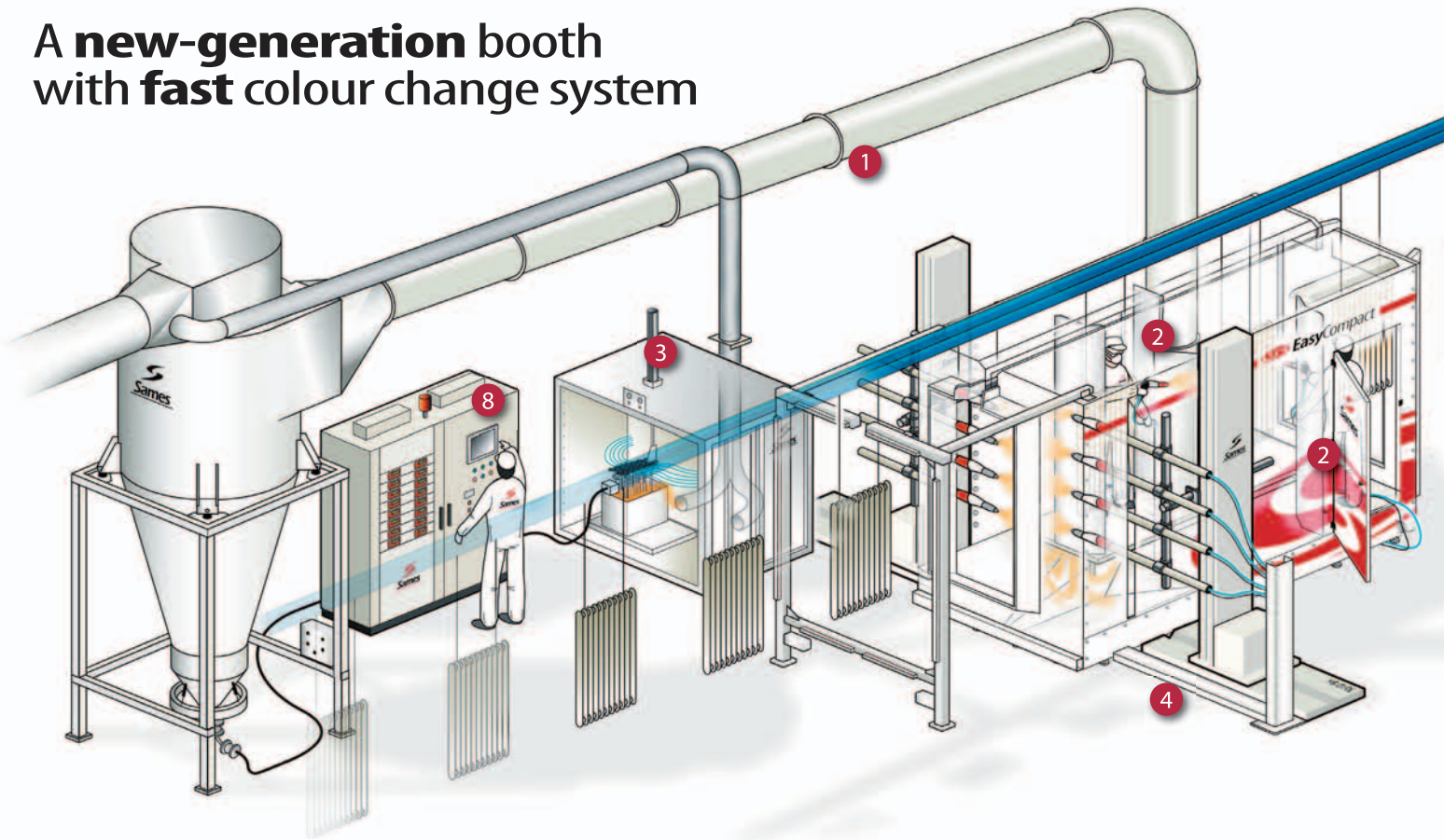
*To meet these criteria and satisfy the most demanding customers, Sames has developed **EasyCompact**, its new automatic powder-coating system, built around a new booth for even faster colour change!*



[easycompact.com](http://easycompact.com)

 **Sames**

## A new-generation booth with fast colour change system



### + More Compact

:: EasyCompact, the most compact booth on the market, with dimensions reduced to the absolute minimum:

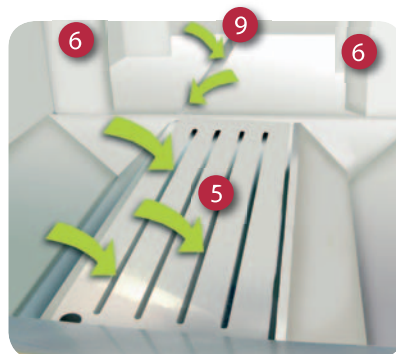
- The ventilation system [1] is connected via a duct with lateral, overhead outlet to save floor space.
- Few bends in the ventilation duct to limit powder retention.
- The stations [2] for prepowdering or repowdering are built into the booth, so there is no need for an external platform.
- The powder station [3] is ventilated by the main filter unit.
- The powder feed centre is highly compact with no filter cartridges.
- No more need for safety guards around the reciprocators [4], which makes for easier access and maintenance.



### + More Efficient

:: Uniform ventilation flow throughout the booth:

- The unique floor extractor system is the result of R&D and modelling work on air flows.
- The bottom [5] of the automatic zone is specially shaped to guarantee high-performance application and reduced powder retention.
- A floor slot [9] in the manual zones makes for more effective powder removal.



### + More Productive

:: Colour changing time reduced to absolute minimum:

- The smooth plastic walls almost completely overcome the problem of powder adhesion.
- The automatic zone is closed off by deflectors [6], meaning that the rest of the booth remains powder-free during application.
- The operator cleans the entire booth from the outside using an ultra-light blow gun designed for effortless cleaning.
- There is no deflector at the bottom of the cabin, as it can be heavy for the operator to handle during cleaning.
- The reciprocators move back simultaneously during the automatic cleaning phase.





Technology

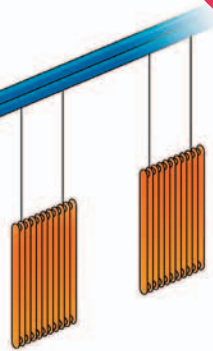
Productivity

Compact size

Ergonomics

Efficiency

Finishing



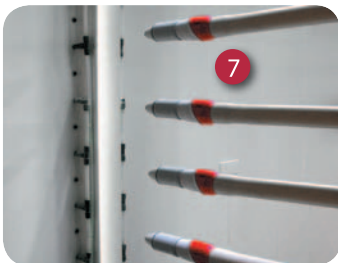
## + More Economical

:: Optimum application:

- The Auto-Mach-Jet [7] automatic spray gun generates a constant voltage supply to the work surface to guarantee high-efficiency transfer.
- Auto-Mach-Jet is also designed to guarantee excellent powder penetration in parts with complex shapes.



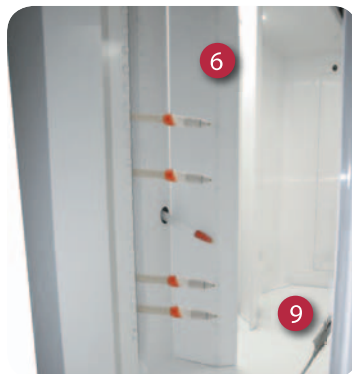
- Smooth, streamlined spray-gun body for easy cleaning.
- Complete current control ensures a perfect coating finish and prevents any backflow.
- Tough, reliable sifter with perforated plate fitted at the bottom of the cyclone.



## + More Ergonomic

:: The system design has given priority to the operator's health and comfort:

- The flat floor [9] makes it easy for the operator to move freely near the parts being painted.
- The new light, elongated nozzle simplifies touch-up work.
- The wide openings [10] make for easier access to the manual stations.
- If the operator forgets to open the exit doors, they open automatically when the parts come through to avoid any risk of damage or destruction.
- The remote controls at the back of the Mach-Jet spray gun can be used to adjust powder flow and the high-voltage supply without leaving the booth.



:: Every effort has been made to provide the operator with as healthy a working environment as possible:

- Side deflectors [6] provide protection against the automatic spray guns.
- If the manual spray gun moves away from the part being painted, the new "clean hands" electrical feature ensures that no paint is sprayed back onto the operator.
- Low noise (< 80 dB) under normal operating conditions (except for cleaning phase).

## + More User-Friendly & Accessible

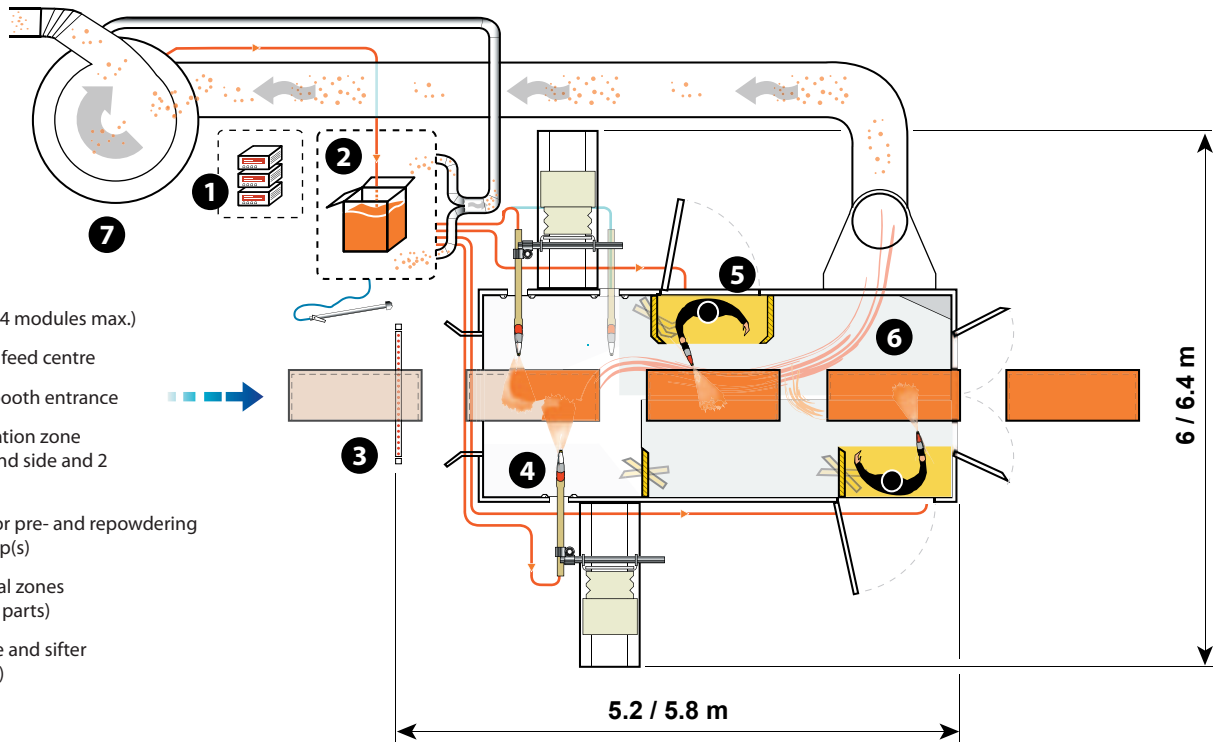
:: The system control interface is more ergonomic and perfectly accessible to the operator:



- Control data displayed on large colour screen [8].
- All controls are centralised for accurate and simplified control.
- Use of powder application tables.
- Flow rate variation according to part length.
- Total production management.
- Cleaning procedure assistance.
- Automatic recognition of part size as parts enter the booth.



# EasyCompact system in brief



- 1 : Control cabinet (24 modules max.)
- 2 : PCE 2500 powder feed centre
- 3 : Detector cells at booth entrance
- 4 : Automatic application zone (1 slot on right-hand side and 2 on left-hand side)
- 5 : Manual stations for pre- and repowdering with protective flap(s)
- 6 : Flat floor in manual zones (for easy access to parts)
- 7 : Extraction cyclone and sifter (powder recycling)

## Technical data

### Pneumatic:

	Powder feed centre	Control cabinet	Booth
Maxi air pressure	8 bar	8 bar	8 bar
Mini air pressure	6 bar	6 bar	6 bar
Air flow of ventilation	2500 m <sup>3</sup> /h		Up to 25 500 m <sup>3</sup> /h

Maxi Nb of plungers

	Standard powderbox (1)	Fluidised tank
	14	24

(1): Feeding from powder box is not recommended in certain applications requiring a good thickness regularity.

### Dimensions:

Width (mm)	
Length (mm)	
Height (mm)	
Useful volume (liter)	
Width max (mm)	
Length (mm)	
Height (mm)	
Useful volume (liter)	

### Tank

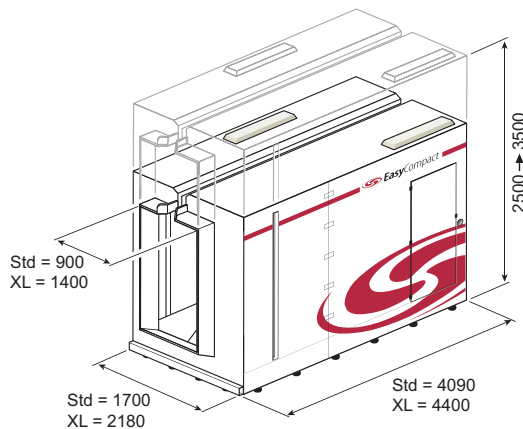
	Big	Medium	Small
Width (mm)	595	595	595
Length (mm)	800	620	425
Height (mm)	415	415	415
Useful volume (liter)	160	120	90

### Electric:

Tension	Control cabinet
Power	400 V 3-phase < 50 kW

Standard powderbox	Powder feed centre	Max Parts size (mm)							
Width (mm)	280	1370	<table border="1"> <thead> <tr> <th>Std</th> <th>XL</th> </tr> </thead> <tbody> <tr> <td>L: 800</td> <td>L: 1200</td> </tr> <tr> <td colspan="2">H: from 1600 to 2500 (booth height) (2)</td> </tr> </tbody> </table>	Std	XL	L: 800	L: 1200	H: from 1600 to 2500 (booth height) (2)	
Std	XL								
L: 800	L: 1200								
H: from 1600 to 2500 (booth height) (2)									
Length (mm)	380	1470							
Height (mm)	400	1720							
Useful volume (liter)	40 à 50								

(2): The useful height of the parts depends on the height of the booth and on the position of part from the ground. Minimum height: 730 mm.



**All the EasyCompact advantages allow customers a quick money back.**

For more information visit [easycompact.com](http://easycompact.com)

### Observance of the regulations in force

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