

## Large cyclone recovery booth



Application: Frequent color change, and more than 4 colors.

### Down suction large cyclone recovery booth

Model	LCB-P		LCB-S	
Main body material	PVC		SUS	
Powder supply device	Powder supply tank/powder supply center/addition feeding tank			
Bottom design	Surge Blow / Flip			
Cyclone specification CR	800	1100	1300	1400
Back Filter Unit BFU	6-12	9-18	18-24	24-32
Max. air flow rate m <sup>3</sup> /hr	10,000	14,000	20,000	24,000

## MCB Small cyclone recovery booth



Application: Frequent color change, and more than 4 colors.\*Advantages: Applicable when the height of the factory building is limited.

### Small cyclone recovery booth

Model	MCB-P		MCB-S	
Main body material	PVC		SUS	
Powder supply device	Powder supply tank/powder supply center/addition feeding tank			
Bottom design	Surge Blow / Flip			
Cyclone specification CR	6	9	12	16
Back Filter Unit BFU	6-12	9-18	18-24	24-32
Max. air flow rate m <sup>3</sup> /hr	10,000	14,000	20,000	24,000





## FRS Single stage recovery booth






Application: Infrequent color change, when changing color, you can add color cartridge and powder tank, and use less than 4 colors.  
\*Advantages: The cost of investment introduction is low.



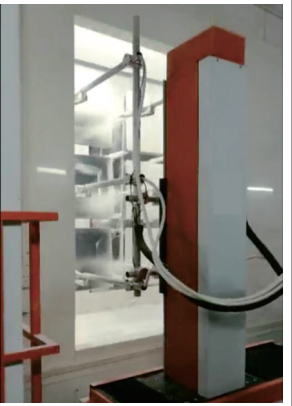
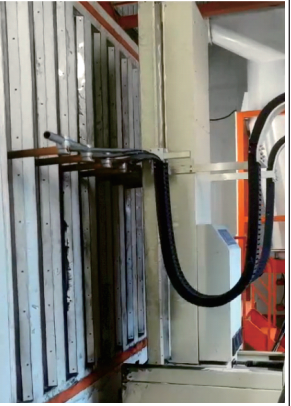
### Single stage recovery booth

Model	FRS-P		FRS-S	
Main body material	PVC		SUS	
Powder supply device	Powder supply tank/powder supply center/addition feeding tank			
Bottom design	Surge Blow / Flip			
Back Filter Unit BFU	6-12	9-18	18-24	X
Max. air flow rate m <sup>3</sup> /hr	10,000	14,000	20,000	X

Product	Filter Unit	Back Filter Unit	Multi small cyclone filter unit	Large cyclone filter unit
				
Model	<b>FU</b> (Filter Unit)	<b>BFU</b> (Back filter unit)	<b>MCU</b> (Multi Cyclone)	<b>CRU</b> (Cyclone Recovery)
Material	A3 steel plate, membrane filter element	A3 steel plate, membrane filter element	A3 steel plate, Option:SUS.	A3 steel plate, Option:SUS.
Specification*	6 -12, 9 -18, 12 -24	6 -12, 9 -18, 12 -24, 16 -32	6,9,12,16 Tubes	800, 1100, 1300, 1400mm
Suitable air flow rate <sup>3</sup> /Hr	8000~10000,12000~15000, 16000~20000	8000~10000,11000~14000, 15000~20000,24000~28000	8000~10000,11000~12000, 12000~16000,12000~16000	8000~9000,10000~13000, 18000~22000,22000~26000
Application	Non or less color change	As cyclone's secondary recovery	Need to change color, insufficient plant height	Change color frequently

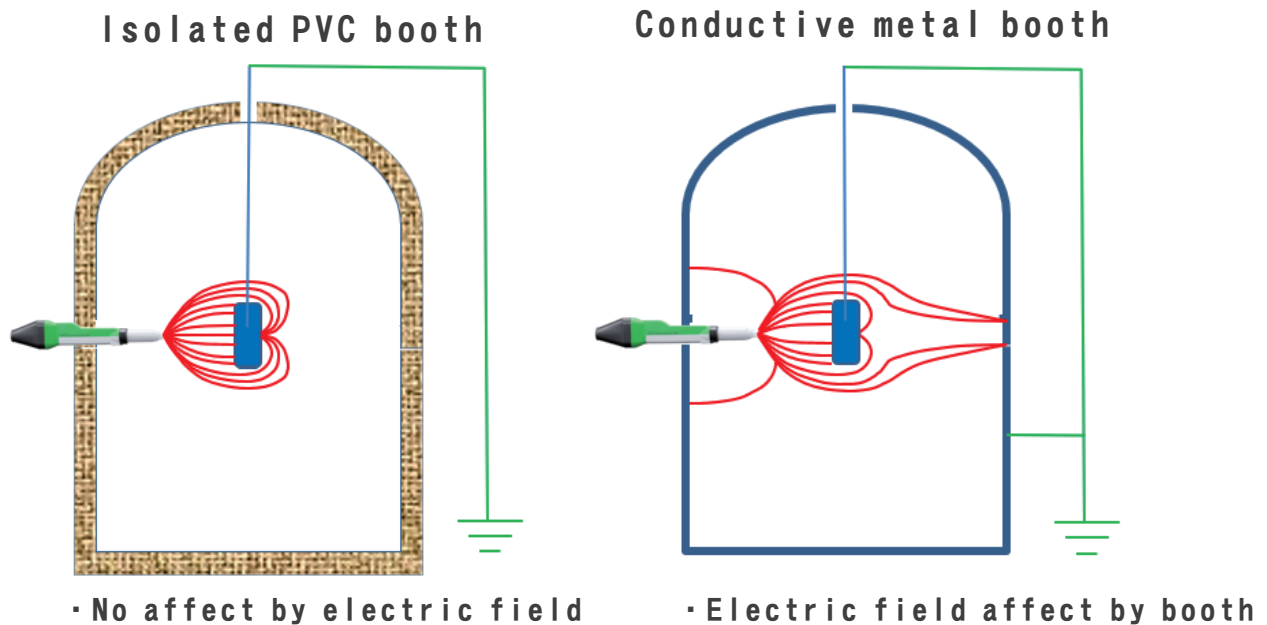
\* The height of one filter is 660mm. One set consist of a upper and a lower filter, height of a set is 1300mm. 6-12 means 6 sets (12 filter elements). Tubes = number of multi-cyclone tubes. 800=diameter mm

Product	Powder supply system	Powder supply center	Add new powder device
			
Model	<b>PF</b> (Powder feeder)	<b>PFC</b> (Powder feeding center)	<b>PT</b> (Powder tank)
Tank material	SUS	PP	A3 steel plate
Tank capacity (L)	150	120	250
Vibration sieve	1	1, option: 2	
Cleaning for color change		Auto clean pipeline	
HMI touch panel	NONE	HMI	
Applicable no. of gun	Max. 20 powder output holes	Max. 40 powder output holes	
Application	Without or less color change	Change color frequently	

Product	Oscillator	Reciprocator	Oscillator with 2D Tracking	Full stroke Reciprocator
				
Model	OSL	VR	OSL-T	VRF
Material	A3 steel plate	A3 steel plate	A3 steel plate	A3 steel plate
Stroke mm	250~450	Max.1800/2200	Up and down 500 Back and forth 500	1000,1500,2000,2500
Speed(time/min.)	9~30	~45 M/Min.	9~40	~60 M/Min.
Speed adjustment	Inverter	Inverter	Inverter	Inverter
Base	Manual back and forth	Manual back and forth	Manual back and forth	Manual back and forth
Application	Non or less color change	Need to change color, insufficient plant height	Change color frequently	Require upper, middle, lower, film thickness difference 15 $\mu$ .

## PVC spray booth increases coating efficiency and reduces cleaning time

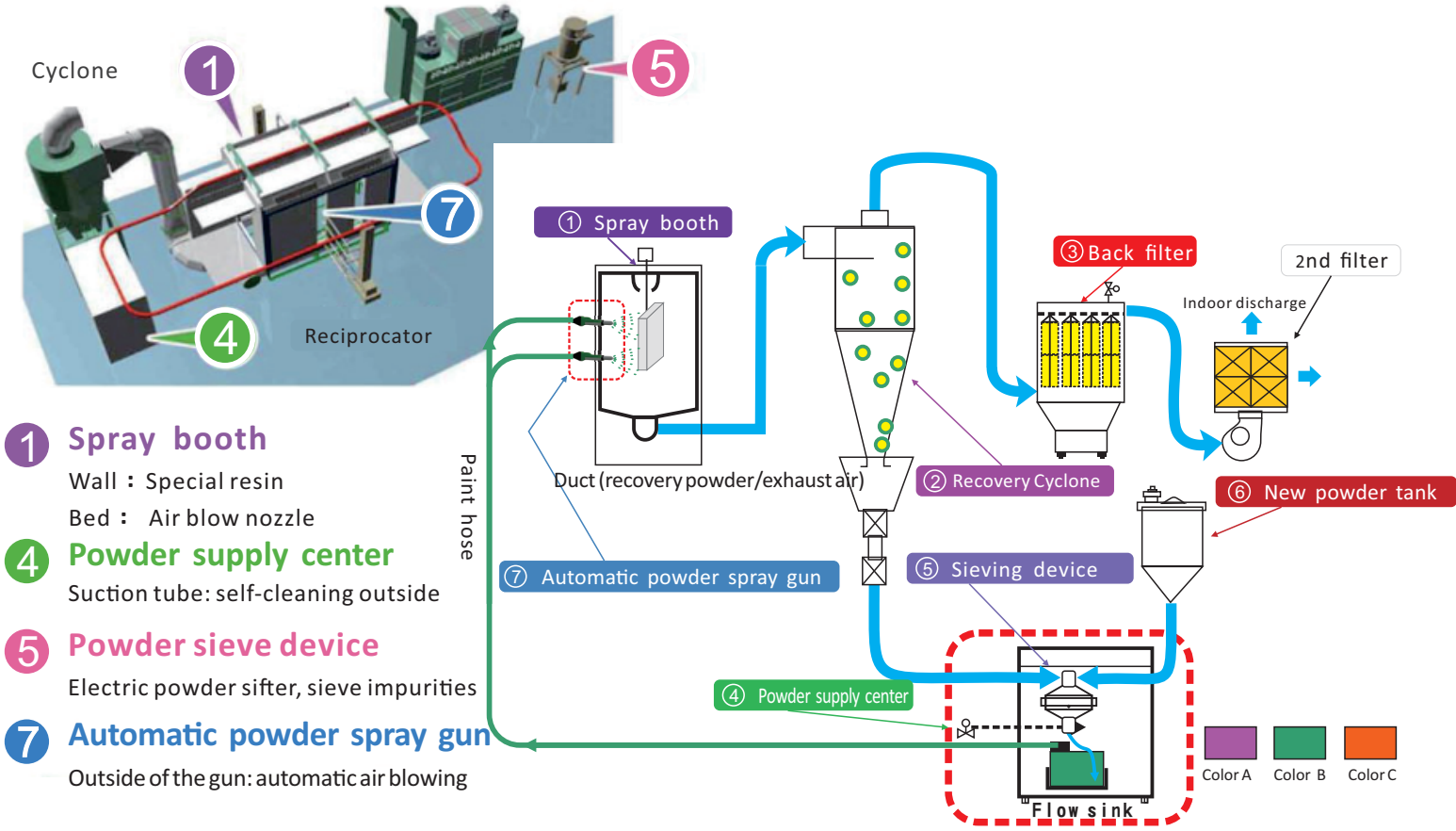
Experimental proof: transfer efficiency of PVC booth is higher 3-5% than metal spray booth



### Latest LCB color change system

10 Minutes to achieve color change.

Recovery device

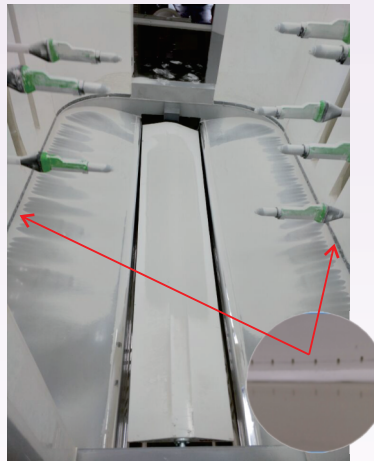


### Spray booth

**1** The wall material is made of high-quality special resin, which is not easy to stick to powder.

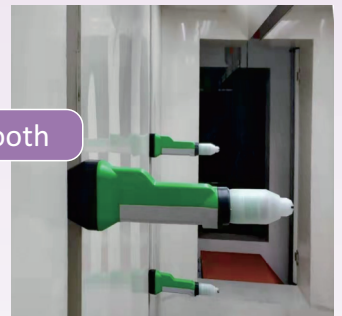


**3** Flap design; easy clean powder.

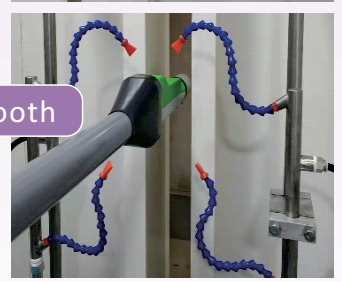
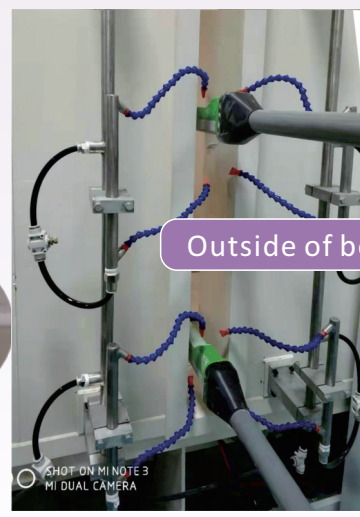


**2** The floor of the spray booth has its own (unique) air blow nozzle, which will regularly clean and suck paint.

### Inside of booth



### Outside of booth



**4** Gun Cover - (patent pending) will automatically blow powder off the gun cover.