

## ■ Painting dust filtration



■ OLD METHOD

### Air pollution from Enamel & Wet paint spraying with water or solvent base

All enamel painting , wet paint spraying with solvent or water base always purified by “[wet scrubber](#) or [activated carbon absorber](#)”

#### Wet scrubber :

Old methods to purify this over spraying and odour makes many affected problems much more than intention to get rid of overspray and odour . These old methods make much waste water especially the TDS (Total Dissolved Solid) there are many solid from overspray be compounded and some dissolved in the water and reduced BOD ( Biological Oxygen Demand) by some chemicals that need to control much and so expensive

#### Activated carbon absorber :

Of course the activated absorbents such as activated carbon can absorb odour but for overspray would blind on the micro pore of absorbent material and make it degenerated and get plugged , affect to lower flow rate and down the suction system very quickly



■ PERFECTED SOLUTION

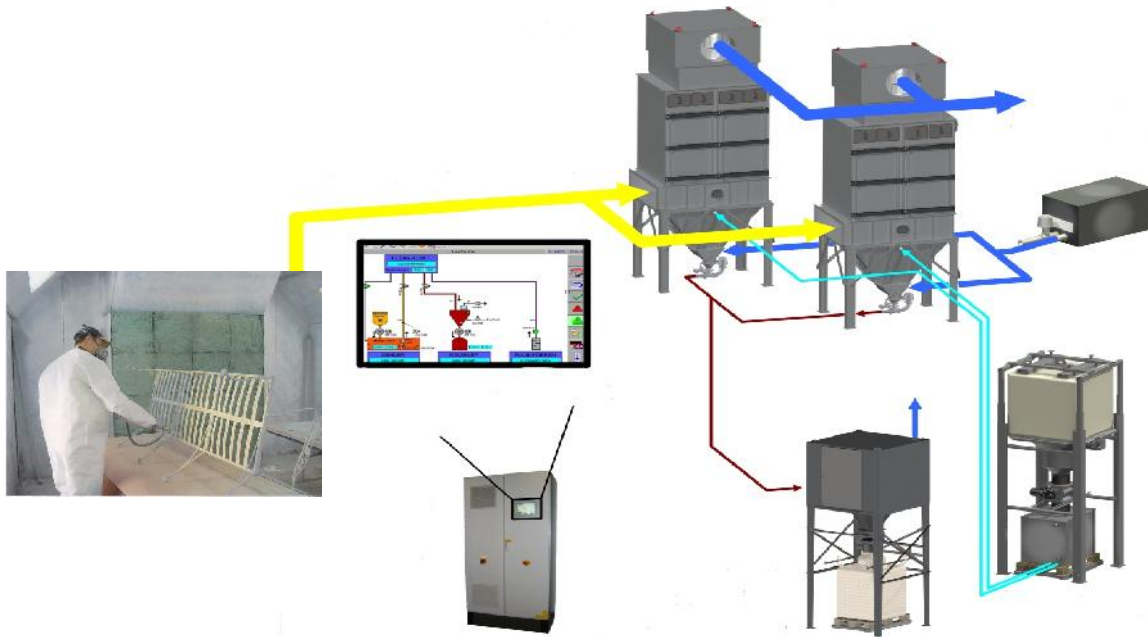
### Process & Environmental Advantages

- emission reduction of dry / liquid aerosols down to 0,1 mg/m<sup>3</sup>
- protection of down stream systems for thermal and/or adsorptive VOC removal
- high air circulation achievable at automated applications (reduction of fresh air ration < 20%)
- internal circulation of pre-coat material external waste treatment of saturated material
- waste water free process
- no chemicals for pacifying, disinfection and coagulation
- Cheep cost of pre-coating material
- No toxic chemical
- Low cost of maintenances

### Painting dust application

- Filter unit for from 1000-100,000 m<sup>3</sup>/h or modular set
- automated sender- and receiver unit
- Pressurized paint application by compressed air gun
- PLC master control

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MODEL	AIR FLOW RATE (CMH)	ONE OPEN SIDE SPRAY BOOTH FACE AREA (H x W = SQ.M)	BLOWER POWER (KW)	DIMENSION (MM)
RC-WP-HSL-4-900/18	850-1500	0.75x1 = 0.75	4	900X1500X3900
RC-WP-HSL-6-900/18	150-2000	1.5x1 = 2.0	4.4	900X1500X3900
RC-WP-HSL-8-900/18	2000-3000	2.0x1 = 2.0	5.5	900X1500X3900
RC-WP-HSL-10-900/18	3000-4500	2.5x1 = 2.5	7.5	900X1500X3900
RC-WP-HSL-12-900/18	4000-5000	3.0x1 = 3	11	900X1500X3900

