

Operating manual

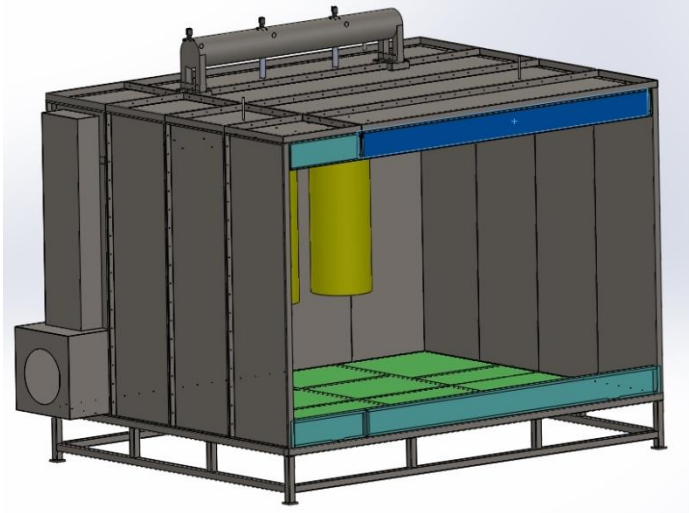


Powder Coating Booth

 **DANGER**



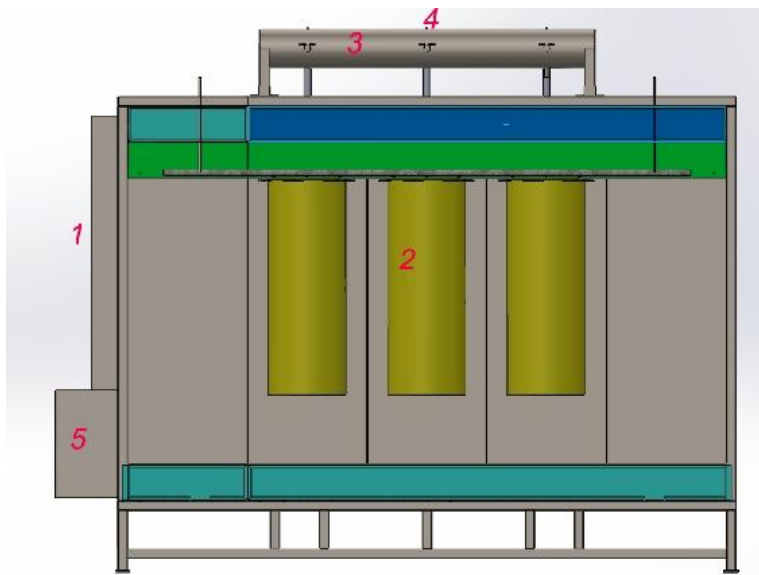
High Voltage!
Turn power off
before servicing!



CAUTION

Read rules for safe
operation and
instructions
carefully!

Introduction



Operation and display elements

1---**Electro switching cabinet** three phase 4 wires

2-Filter /325mm*900

3-Air storage

4-Solenoid valve/380V

5- fan motor Centrifugal/ 380v,4.0kw, 50hz

cabinet



Button function

1) Fan operation light 2)Power 3)Pulse function

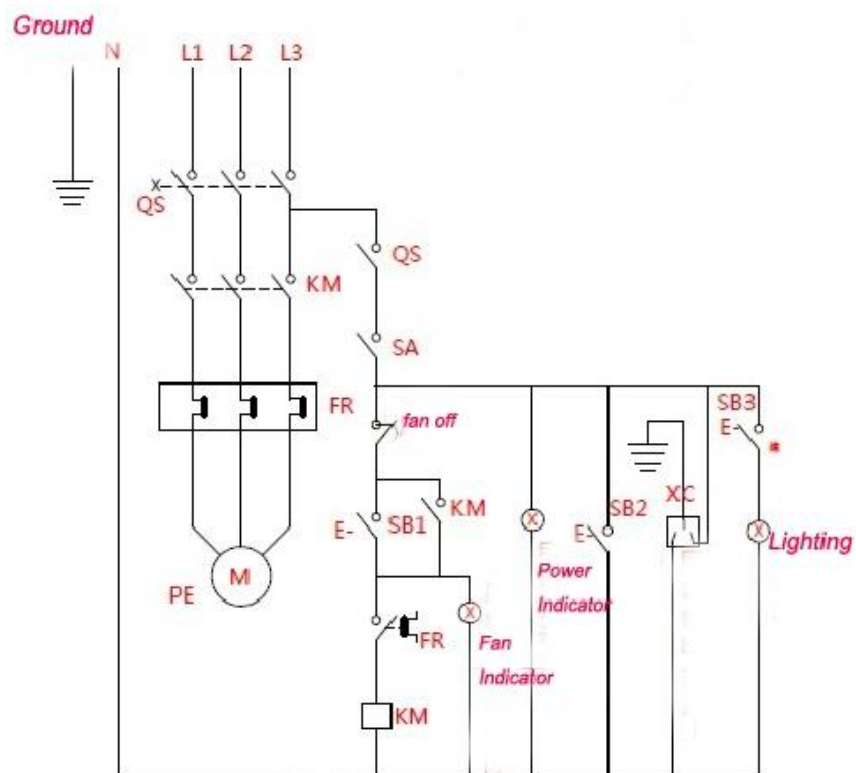
4)Fan on 5) Fan off 6) On/off

Technical data

Booth

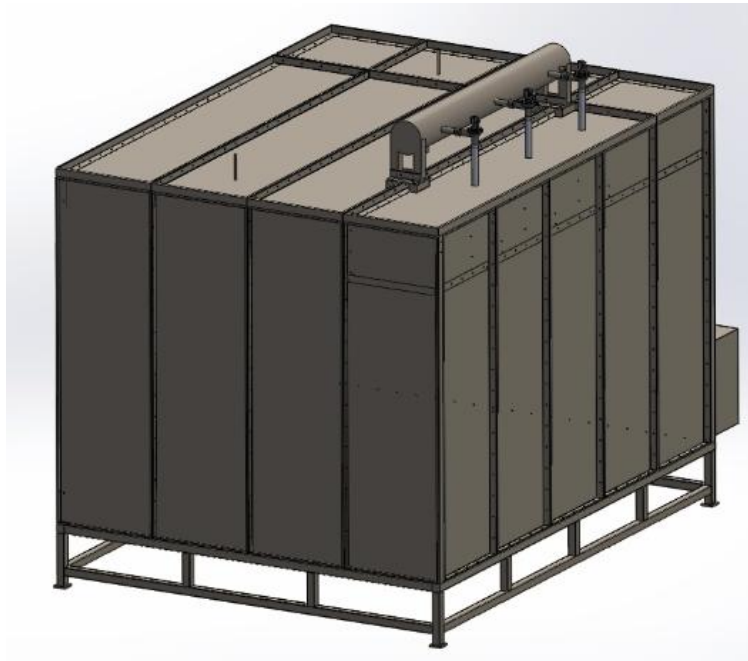
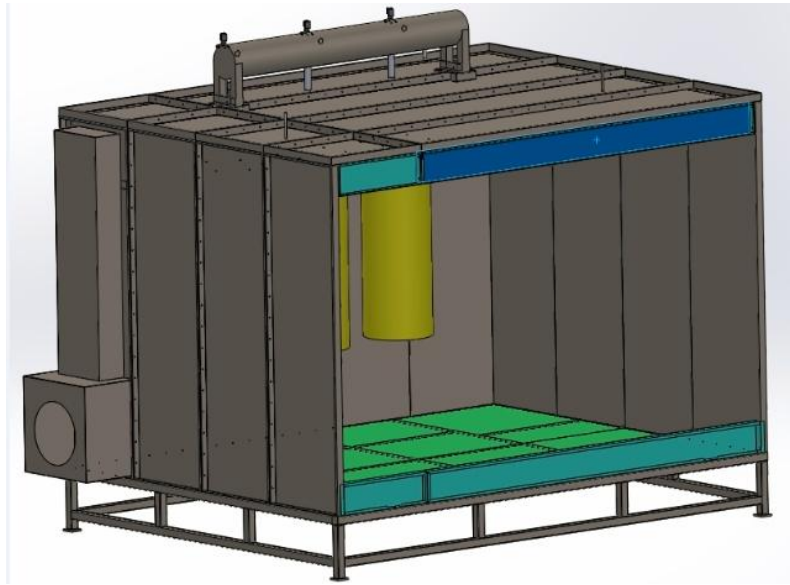
Suction performance of the booth:	4000 m ³ /h
Filter surface:	30 m ² (3 cartridges)
Compressed air requirement:	20 Nm ³ /h
Motor output:	4.0 kW
Voltage:	380 V
Frequency:	50 Hz

Electric circuit diagrams,



- SA power off
- SB1 fan start
- SB2 pulse
- SB3 light off
- XC Power outlet

Schematic side



Both units assembled using plate welded structure, for powders recovery operations, so powder coating operation has a clean environment

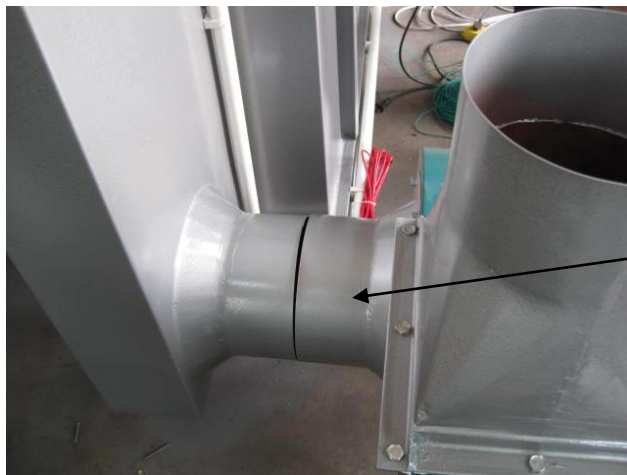
Internal powder room is a flat structure, so clean-up powder room is more convenient, fast

An electronic pulse recovery system. After the filter working for some time, the filter surface of the powder piled thick, this time inside the filter pulse cleaning devices, instantaneous release of compressed air from the inside out, crashing powder. Pulse control by manual.

Installation and commissioning



Air in



connect fan motor with booth



wrap with rubber,Rubber butt joints use 502 glue,connect the cable to booth ,

Note: check whether the direction of rotation of the fan blade direction is same with the arrow shown

Safety regulations

Warning

This equipment can be dangerous if it is not operated in accordance with this operating manual!

(A) Installation

1. Install the ground should be flat, smooth landing foot machine, ventilator machine feet should be firmly fixed to the ground
2. spray booth enclosure must be grounded. Grounding Methods: $\Phi 10$ mm round long 1.5-2m into the ground, exposed 10 mm, the solder terminals, with 4 mm 2 wire connection to the spray booth and the electrostatic generator grounding stud
3. Fitted with filters, elastic fit.
4. Intake pipe connected to the air supply, close the drain valve
5. switch box connected to the power supply, connect the power electrostatic generator
6. Start the exhaust fan button to check the motor rotation is correct
7. Compressed air must pass through an air purifier to remove oil and water, the water content of less than 1g/m³

(B) Powder coating test

1. test should be checked before electricity, air supply is normal
2. powder spray station: Turn on the exhaust fan, spray plastic powder will float to the filter, open the pulse valves, air outward gassing strong (sound larger) from the filter

(C) Operation

1. Switching on the system

- 1) Press blower button (green), dusting chamber filter out exhaust
- 2) Open the powder coating machine ,begin to do the powder coating
- 3)and a half hours of continuous spray by a pulse-jet cleaning, maintaining good ventilation filters. In the production process should always observe the instructions

for each instrument cases, abnormal timely adjustments to ensure spray quality. Spray should be required before the workpiece surface state inspection, so as not to affect the plastic film adhesion

2. Switching off the system

1) Turn off the exhaust fan, cleaning interior plastic powder dusting, site preparation, tooling, cleaning

2) Turn off the total power

Maintenance and cleaning

The user **must** maintain the proper **grounding of all system components!**

1. Timely remove accumulated dust on the rack, air purifier and timely discharge of sewage pump tank.

2. Timely recovery of cleanup and replacement of the filter.

ADDRESSES



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