Hangzhou Color Powder Coating Equipment Co., Ltd.

Ⅰ. Powder supply center------COLO-PSC6000

Work principle is to put the powder hopper full with powder in the powder supply room, and on the powder hopper vibration platform, and then access the air for the fluidization of powder. Vibration platform will vibrate at intervals. Powder particles generated in the process of fluidization goes through the rear ventilation pipe so that powder doesn't spill. In the process of powder gun working, the powder pump station will be decreased, so that the suction tube is inserted into fluidizing powder.
Control the pump station decreasing by powder detecting sensor, so that the powder suction tube keep been inserted into the sufficient fluidization powders. With powder level declining, when the powder level reaches the lower limit, the powder center of the electronic control system will issue audible alarm and on the touch screen with character note. Remind the operator low powder level alarm, and he or she needs to add powder. In the cleaning process, lower the pump platform down to the powder cleaning level. Open and clear the powder. Powder center automatically blowbacks the powder gun hoses of both sides alternately.
If change the color, rise the pump station to higher point for the powder hopper can be easily removed, and then carried the powder hopper with required color in.

Ⅱ. Features

1. Powder's smoother fluidization
2. Maintain good working environment
3. Make the gun powder supply more uniform
4. Discharge operators from the problems of powder gun powder supplying.
5. Greatly reduce the labor intensity and powder influence on operators' healthy during cleanup process.
6. Easier to change color

It's really a good helper for powder operator due to a lot of advantages.

Ⅲ. Technical parameters

1. Dimensions: See above icon Note
2. Power supply voltage: 1P 220VAC (110V)
3. Power: 500W
4. Gas pressure: 0.6-0.8MP
5. Equipped with up to 16 powder pumps at most.

Ⅳ. Operation instruction

Starting up

When you turn on the power, power supply indicator on human-computer interface is on. The system starts self-test, after a few seconds it enters the start page. Touch "work mode" button on the screen, the system enters the work mode as below.

Work mode:
Start or stop all components. Touch the corresponding keys to the various components. They can be started / or stopped.
Powder supply level of pump platform can be started after the powder tank fluidization opens, otherwise it will not start. In the process of powder supply,
Powder level detecting makes the powder sensor stays on the above of the powder level, so that the powder pump can absorb the best fluidized powders, thus greatly improve the gun powder atomization. The pump platform follows the powder level and falls down. When the powder level reaches the lower limit, the system reminds the operators by sound and light alarm and "low powder level alarm" displays on the screen. After adding powder, press the pump platform level to make the closed pump platform returns. Then double press pump platform to start, so that the suction tube mouth can stay above the powder level.

Start or stop pump platform level
Press more than 3 seconds to make sure no wrong operation.

Powder gun cleaning process:
Close fluidization key- Close pump platform level key-Unplug the fluidization air quick connector-Remove the powder hopper-Press the pump platform level key for more than 3 seconds- Pump platform level falls and make the suction tube plug into the blowback nozzles-Press the blowback key.
Then the powder supply center will automatically backflow and clean the powder tube, venturi pumps, pipes and powder guns as per the setting pulse time. After cleaning, press backflow key to close, and then press pump platform level for more than 3 seconds. And pump platform rises to high level. Powder cleaning ends.

Debugging Mode
Touch Debugging Mode key on the work mode or startup screen, the following interface will appear.
Pulse rapping: T1 intervals, T2 rapping time; T1 time set should multiply by 6.
Powder box vibration: T3 intervals, T4 vibration time
Powder tube blowback: T5 intervals, T6 blowback time
Powder room Purge: T7 intervals, T8 purge time
Fan tri-star delay: control start-up time of powder room exhaust fan
Peristaltic pump cycle time
A time: Cycle intervals
B Time: Powder suction time
C time: Intervals between two valve alternates
D Time: Powder spraying time