WX-958 Powder Coating System with Spraying Gun 110V

Dear customers,

Thanks for your purchasing **WX-958** Electrostatic Generator manufactured by our company. Before using the equipment for the first time, please carefully read this Operating Manual, which will help you use the equipment successfully.

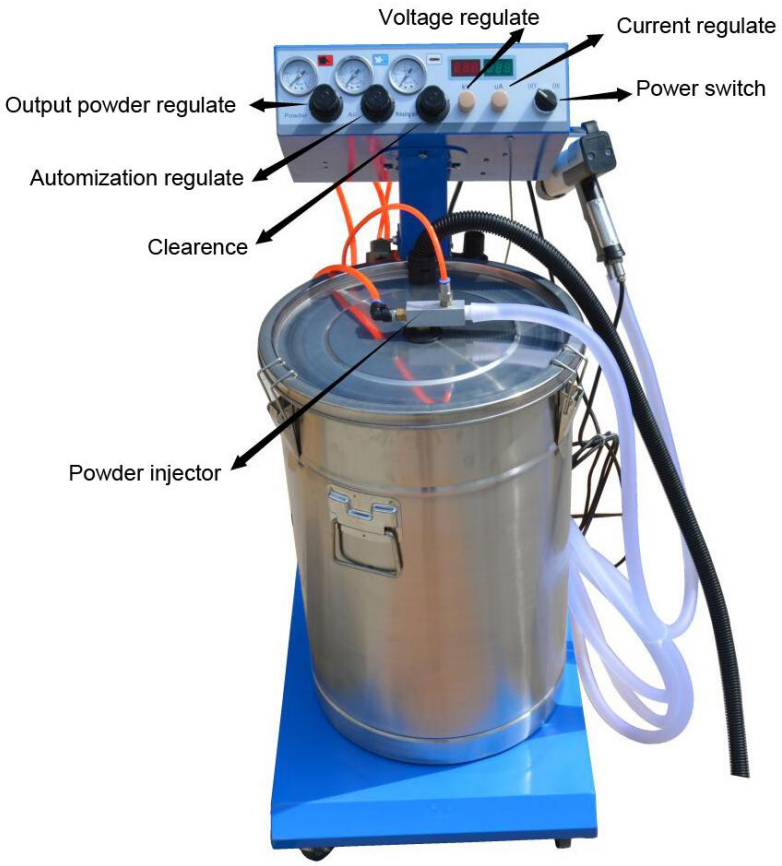
If any problem happens in your use, please contact with us in time. We will surely satisfy your requests and provide you with perfect after-sale service.

Catalogue

I. Main Technical Parameters

- 1. Voltage of power supply: 110V
- Input power: 50W
- Output voltage: Vp-p18V
- 4. Maximum output current:150uA
- 5. Voltage of solenoid valve: DC220V
- 6.Max. Consumption: 13.2m/h(0.4Mpa).
- 7.Weight of gun: 550g
- 8.Powder hopper volume:45L
- 9.Work temperature:-5℃ ~ 40℃

II. Sketch Map of Obverse Structure



Instruction：

1. Voltage-Adjustment Button Clockwise direction for voltage increase

2. Voltage Indicator Maximum 100KV

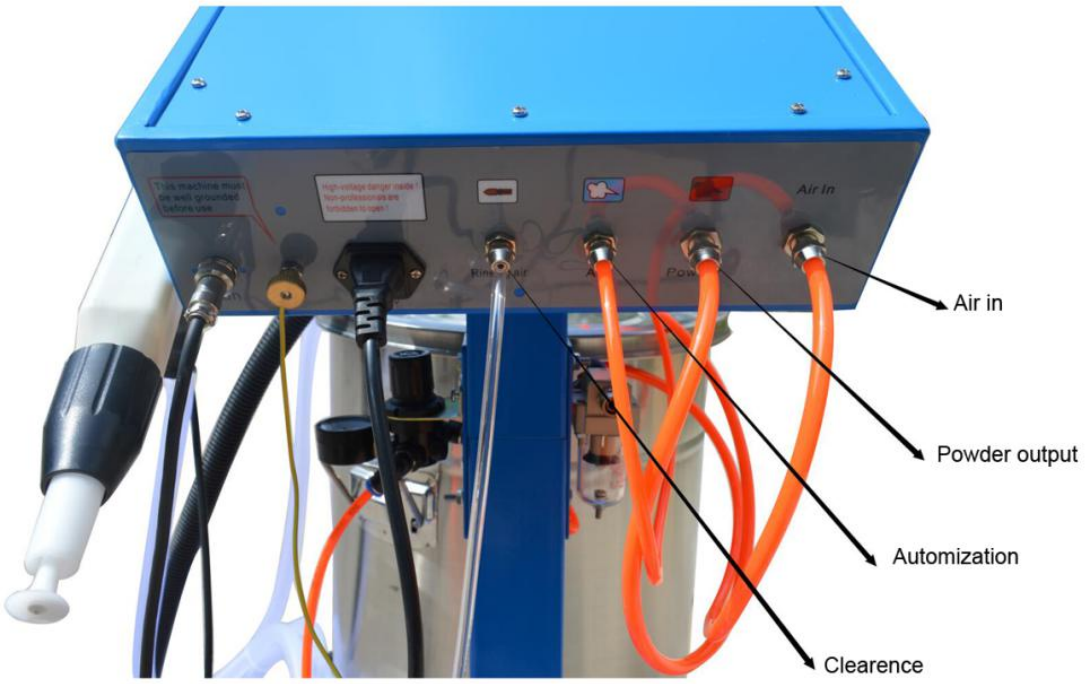
3. Current Indicator Maximum 200Ua

4. Powder Feeding Button: “ Pull ” Clockwise direction for powder volume increased, normal air pressure indicator is 3-4 kg

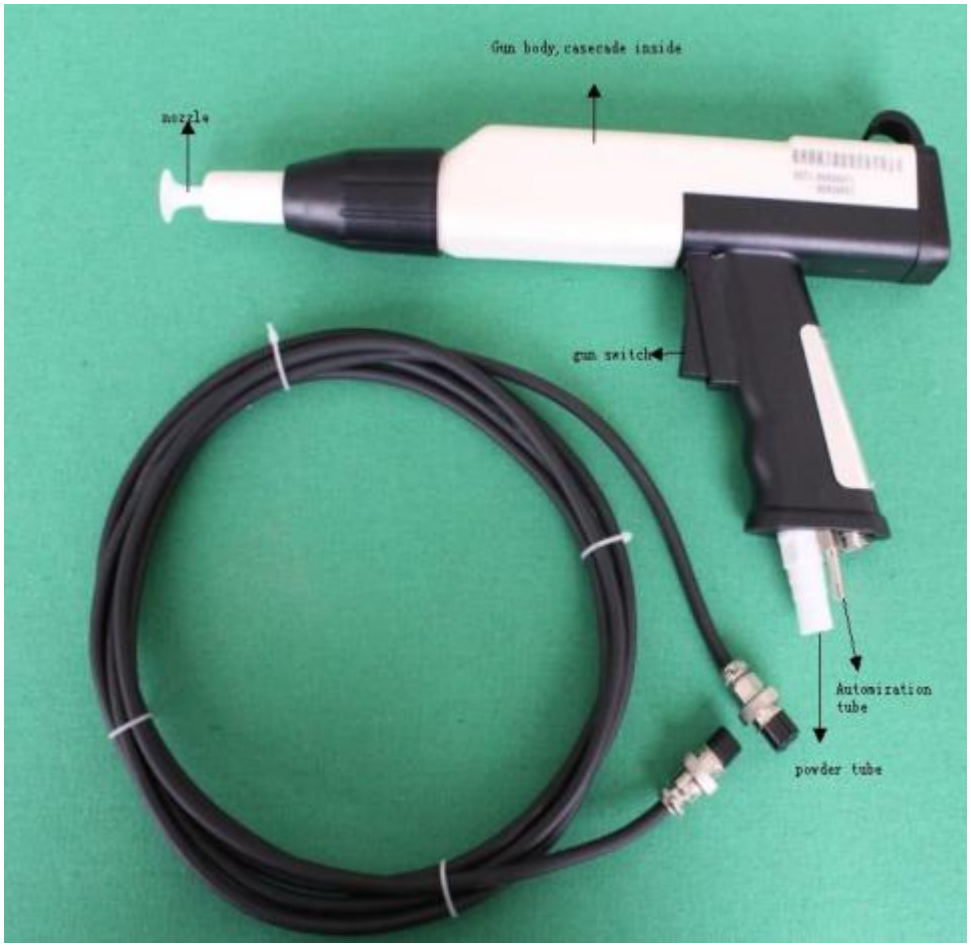
5. Powder Blending Button: “ Pull ” Clockwise direction for powder volume decreased or thinned, normal air pressure indicator is 0.3 kg

6. Atomization Button: “ Pull ” Clockwise direction for powder atomization, normal indicator is 0.1 kg

III. Sketch Map of Reverse Structure



IV. Sketch Map of Spray Gun



V . Operating Instruction

1. Connect all the connecting lines and air tubes according to the above sketch map

2. Turn on switch of power supply (lighting indicator is on)

3. Press the switch of spray gun to adjust voltage required (set by individual, Voltage recommended is 60KV-80KV)

4. Powder is placed into powder feeding barrel

5. Press the switch of spray gun and adjust to high-voltage. Start work if the powder is sprayed.

VI.Attentions：

1. Well connected with the ground

Grounding line is attached with the equipment and must be connected with the spray booth, which is to be connected with special clean ground. Workpieces, hanging articles and support must be connected with grounding line to prevent grounding failure from making discharge sound.

2. Air source must be clean

All compressed air must be kept tidy and dry, and has no oil or water. It is recommended that the customer use frozen and dried air sources. If the customer uses general oil-water separator, the oil and water must be regularly discharged in case that the coating ratio will be influenced by water accumulation in air box of powder barrel, solenoid valve and air tubes or too much humidity.

3. Prevention of spray powder

If abnormal powder spray (i.e. bigger or smaller from time to time) happens to new equipment, generally that's because powder feeding and lending air pressures are not properly adjusted. Powder spray increases as powder feeding air pressure increases. Adjust the powder blending air pressure to a higher level to ensure that powder spray is in uniform.

4. Tidy up the powder in time

Powder pump and spray gun should be blown and tidied up with compressed air after they are used for some time.

5.Adjust properly

Pressure regulating valves own locking device, in which “Push” means “off”, “Pull” means “on”. The buttons of various regulating valves should be adjusted to proper position (as is to be indicated by satisfactory powder spray).Check the following conditions if the air pressure is not enough.

(1) Whether the air pressure in compressor is more than 6kg;

(2) Whether there is a leakage in the air tubes;

(3) Whether pressure regulating valves are in good condition. Generally the pressure regulating valves are easy to adjust, anticlockwise direction to the end (off) or clockwise direction to the end (maximum). Do not regulate them violently. If the pressure can’t be adjusted to a higher level, the equipment will not be used until relevant solutions are found and failures are repaired.

Ⅶ. .Failures	Reason and Relevant Parts to be Examined	Instruction
Power supply indicator is off	AC is abnormal or high-pressure controller is not connected A. whether power supply socket is in good condition; B. whether circuit line encounters short circuit problem; C. whether IA fuse is broken; D. whether strips Extrusion Line is well connected with the line of transformer	Generally power supply line and transformer should have no problems
Lighting indicator is on, but no high-pressure when pulling the trigger	A. Gun trigger B. cable and socket C. whether two high-pressure connecting lines are connected tightly D. whether control board is normal	High-pressure inside spray gun and control board are not allowed to detach or adjust in general. If any problem, please contact the manufacturer to find relevant solutions.

High voltage can't be adjusted to a lower level	Potentiometer is broken.	Replace with a similar potentiometer, with a resistance value of 4.7K.
High-pressure is weak, but the current indicator is large	The gun is suspended and do not touch any object, current indicator is large (more than a half of light beams) Instruction: A. Gun head is broken and discharge B. humidity accumulated inside gun or on high-pressure surface C. high-pressure module is broken	Under normal situation, high-pressure will not be broken, but the user must pay attention to falling, collision, crack and humidity accumulation on the surface. In addition, the user is not allowed to connect this equipment with other instrument.
High-pressure exists, but no powder or little powder is found	A. Solenoid valve is broken B. powder tube is jammed C. powder pump is broken D. powder feeding air tube and powder blending air tube are reversed E. no powder or little powder F. falling of powder intake tube G. No fluidization H. air leakage	A. if we can hear the sound of coil current flow of solenoid valve but no powder is exported, there may be something wrong with mechanical part of solenoid valve B. normal resistance value for solenoid valve is 5.3
Electric shock on the hand	Two conditions: A. leakage of AC: pay attention to AC leakage on spray booth and gun B. high-pressure leakage (it can be felt when pulling the trigger), completely connect the grounding linnets between high-pressure control box	Connect the grounding line well.