



BF Air Electrostatic Spray Gun

Safety · Lightly · Saving



BF 630II

	BLM20fp Type
	Flat nozzle- Big surface spray
	FP0.9, FP1.2, FP1.4
	BLM20rp Type
	Round nozzle- Pipe wrapping spray
	RP90 spray angle α Max.90 Adjustable
	BLM20rs Type
	Round SUS nozzle- Anodizing product
	Stainless steel nozzle RS

Theory of electrostatic coating

During electrostatic coating, an electrostatic force field is induced between the workpiece and the spray gun. The paint particles atomized by the nozzle are forcibly charged by the corona ionized air, and the charged atomized paint particles will run towards and adsorb to the front and back of the coated object with the attraction of the electric field, and the paint mist will produce a coating effect and reduce the paint scattering that improves the transfer efficiency of paint, reduces the times of spraying, shortens the spraying time, and improves the production capacity.

Features of EST coating:

Cost saving	<ol style="list-style-type: none"> 1. Because of electrostatic spraying, the waste of paint and overcoating can be reduced. Save the cost of cleaning and waste paint management. 2. High transfer efficiency can save 40% of paint. Compared with the general traditional coating efficiency of 25%, the transfer efficiency of EST coating can reach 65%.
Time saving	<ol style="list-style-type: none"> 1. Because of the principle of electrostatic wrap, there is no need for accurate aiming of the spray gun and around the object, that shorten the spraying operation time, which can achieve an increase in productivity.
Quality upgrade	<ol style="list-style-type: none"> 1. Due to the ultra-micronization of paint particles by static electricity, it is easy to achieve a high standard of surface quality in advanced topcoat operations. 2. For the coated object with complex shape and many dead corners, use the air atomization method, which has good penetration and coverage, and avoids leakage or insufficient film. Round nozzle with swirling air jet, suitable for complex or tube spraying. For a flat plate with few dead angles, a flat nozzle with a wide-angle multi-stage spray structure can be used to obtain a uniform and good coating effect on the surface of the object to be coated.
Durable	<ol style="list-style-type: none"> 1. "Super hard tungsten steel" is used for the needle seat and needle, and special materials are used for the gasket. Therefore, it can be used for a long time, and some O-rings use "super solvent-resistant rubber", so there is no need to replace the O-ring for a long time.
Safety high	<ol style="list-style-type: none"> 1. Internal high voltage, 18V low voltage cable, making the operator safer. 2. The HV controller (BLS-630) has layers of electronic protection, which can quickly cut off the high voltage and quickly discharge the residual charge. When it is too close to the workpiece, it will also reduce the ground current protectively to prevent electricity. The safety of the operator shall be given the utmost care and protection.

Application:




Baifu Technology Corp.
Long Wall Trading Co., Ltd
 9F, No.83, Zhong Cheng Road New Taipei City 236 Taiwan
 Tel: 886-2-2268-4088 Fax: 886-2-2268-4086
 www.bfcoating.com
 E-mail: taipei@bfcoating.com

Taichung: 886-4-2358-8755 Tainan: 886-6-270-9257
 Beijing: 86-10-6488-2666 Shanghai: 86-21-6483-9459
 Tianjin: 86-22-5885-3955 Kunshan: 86-512-5745-8588
 Dongguan: 86-769-8541-5416 Xiamen: 86-592-6074-228



BLM20s
Solvent base



BLM20m
Metallic paint





BLM20w
Water borne

Technical data	
Metallic/water base paint	Applicable/With isolation
Paint viscosity range	12~25 sec/ Cup #4
Paint resistance range	1~100MΩ-cm
Wooden moisture range	8%
HV switch	Pneumatic on/off


BLM20 specification	
Max. output voltage	65KV
Max. output current	60μA
Polarity	Negative
Ambient tempt.	0~40°C
Max. paint tempt.	50°C
Max. paint pressure	6kg/cm ²
Weight	508 g

BLS630II specification	
Input voltage	Standard 220V or110V
Input frequency	50/60Hz
Input power	Approx. 30VA
EMV Radiation	Qualified
Output current	Approx.0.35A
Output voltage	24V(AC)
Explosion safe	IP54 EN60529

Combination and peripheral products

					
Wall mount	Stand	A1.068 pump	Pr01 Fluid regulator	01C-AS3S Agitator	PSiB Insulation table

Paint supply pump:

A1.068 Aluminum double diaphragm pump For solvent paint	
N1.068 Nylon Fiber reinforced double diaphragm pump For water base paint	
S1.068 Stainless steel double diaphragm pump For acid-base paint	

Baifu Model	1.068
Max. flow rate	10 L/min.
Max.cycle per min.	40 times/min.
Max. air pressure	7Kg/cm ²
Max. air consumption	120NL/min.
Fluid inlet size	3/8 inch
Fluid outlet size	3/8 inch
Diaphragm diameter	110mm
Displacement /cycle	68cc
Starting pressure	1.2Kg/cm ²
Operation pressure	2~5Kg/cm ²
Application	1 spray gun
Sale package	Bare pump/ Full set