

BG-250D High Efficiency Film Coating Machine



This machine is an ideal big capacity film coating machine in current pharmaceutical industry, foodstuff and biological product industry. It can coat tablets, pills and candies with organic film, water-soluble film and sugar coating. Being widely adopted in pharmaceutical industry and foodstuff, it obtains leading advantages as follows:

- 1) The machine adopts new micro-computer and temperature module control system, as well as touch screen (Siemens), all together for simple displaying, easy operation, high efficiency, energy saving, cleanness, safety, convenient cleaning and compliance with GMP.
- 2) All parts, including the main machine, high-efficiency filtering hot air fan, dust-removal and air-exhaust fan and spraying device, are made of high-quality stainless steel.
- 3) The whole production process is controlled by programmable system, which has multiple applications for variable operation, driving control and multiple indication. Remote controllable peristaltic pump is wired with PLC, whose flow rate and rotating speed can be shown and controlled on touch screen. Frequency control of speed can set flow rate and rotating speed at zero for accurate control, stable and convenient operation and to eliminate inconvenience and uncertainty of remote control. Therefore, the machine can better comply with GMP.
- 4) Tablets are coated in a closed environment to prevent dust or liquid from spraying out. Besides, all surfaces of the machine are polished to avoid light pollution.
- 5) Driving system adopts explosion-proof gear motor and chain sprocket for driving and speed is controlled by frequency conversion steplessly.
- 6) High efficiency filtering hot air fan can filter and heat air through primary, intermediate and high efficiency filtering so that cleanness of the air can reach 100,000 class. Besides, dust-removal and air-exhaust fan can exhaust air to outdoors directly to not influence central air conditioning and save energy.
- 7) Spraying gun, WA-101 as its model, features good atomization, no clogging, adjustable spraying flow and angle, simple structure and convenient cleaning.

8) Hot air blower and fan are equipped with shock absorber and noise silencer to apparently lower machine noise and protect operators.

9) The peristaltic pump used in this machine is currently the best. It can make unprocessed coating material flow back into material tank in order to reduce waste.

10) The mixing machine is actually a mechanical, electrical and pneumatic integration without chaotic layout of wires and pipes for its simpler cleaning.

Technical Parameters

Items		Parameters
Max. production quantity		250Kg every time
Speed range of film coating roller		2-11 rpm
Diameter of material feeding port		580mm
Diameter of film coating roller		1500mm
Diameter of roller mesh		3mm
Motor power of main motor		3KW (The main motor is totally closed)
Compressed air pressure		0.4~0.8MPa
Dimensions		2000*1660*2270mm (L*W*H)
Weight		1650Kg
PLC	It can make the frequency conversion continuously variable and set, adjust, display and memorize the technical parameters, operation speed, air inlet speed, spray force and flow during machine operation.	
Hot air cabinet	Motor power of hot air filter	3KW (explosion-proof)
	Filter precision	0.5μm
	Filter cleanliness	100,000 class
	Air inlet speed	5268m ³ /h (with a three-grade filter)
	Hot air temperature	40~80°C (adjustable)
	Dimensions	910*1100*2050 mm (L*W*H)
	Weight	400Kg
Dust removal cabinet	Motor power of dust removal fan	7.5KW (explosion-proof)
	Air exhaust speed	10560 m ³ /h
	Surface material	Matt stainless steel
	Dimensions	1050*1050*2050mm (L*W*H)
	Weight	500Kg
Spray gun		Uniform atomization, adjustable spray shape, position and angle
Motor power of peristaltic pump		54W
Peristaltic pump speed		100-700rpm