

**BG-350**

# High Efficiency Coating Machine



**EQUIPMENT  
TECHNICAL PARAMETER**

**南京翰洋智能设备有限公司**  
NANJING HANYOO PHARMATECH CO., LTD.



# BG-350 High Efficiency Coating Machine



## APPLICATION

BG high efficiency coating machine is a special equipment for coating tablets, pills and candies with aqueous and organic films. The equipment is manufactured in accordance with the GMP requirements of the pharmaceutical industry; The entire shell, coating roller (coating pan), heat blower, spraying device and all parts in contact with the drug are made of stainless steel.

## TECHNICAL PARAMETER

BG-350	
host	Maximum drug loading capacity 350kg
	Drum speed: 2-15rpm
	Drum diameter: 1580mm
	Discharge port diameter: 480mm
	Main engine power: 4.0KW, damper valve body, motor power: 25W
	Compressed air consumption: 1. m <sup>3</sup> /mm, pressure ≥ 0.7Mpa
	External dimensions of the host: 2050 × 1680 × 2550mm
	Imported spray gun, adjustable mist shape, adjustable flow rate, adjustable spacing, and adjustable angle.
	The entire operation process of the entire machine is operated through human-machine interface dialogue, and PLC programmable control
Efficient filtration Shockproof hot air fan	Filter hot air fan power: 3.0KW, inlet air volume: 3517m <sup>3</sup> /h
	The filtration accuracy is 5um, with high, medium, and low efficiency filtration, and clean air of 100000 levels
	The outer surface of the hot air fan is made of matte stainless steel
	Hot temperature: adjustable from room temperature to 80 °C, total steam consumption: 160 kg/h, pressure ≥ 0.6Mpa
	External dimensions: 1000 x 1050 x 2020 mm
Dust removal and shock prevention Silencing exhaust fan	Dust removal exhaust fan motor power: 7.5KW
	Exhaust volume: 9859m <sup>3</sup> /h
	The outer surface of the exhaust fan is made of matte stainless steel
	External dimensions: 1050 x 1050 x 2200mm
Insulation mixer	Model: QJ-O.2, including pneumatic motor and electrical box
	Explosion proof electric heating: 2KW
	Mixing bucket volume: 100L
	Applicable scope of medium: When the medium concentration is less than 4%, the medium viscosity is less than 200 Rees When the concentration of the medium is ≤ 14%, the viscosity of the medium is less than 10 Reese
Programmable peristaltic pump	Model: YZ-2525, four channel
	Motor power: 0.37KW
	Maximum flow rate: 0.017-1.8/min (in water medium)
	Discharge device: discharge hopper, (automatic discharge) air duct diameter 310mm
	Material: SUS304
	Total power supply: Steam power: 16KW Electric heating power: 35KW

## ELECTRONIC PART LIST

NO.	NAME	Model and specification	manufacturer	power	QTY	remark
First, efficient coating machine host						
1	PLC programmer	Cpu224AC/DC/RLY	Siemens		1	
2	Touch screen		Siemens		1	
3	Spray gun	WA-101	Iwata		4	
4	Power module	NES-50-24	Guangzhou Mingwei Electronics Company		1	
5	Temperature mode velocity	GM235	Siemens		1	
6	Anti-interference transformer	JBK3-100	Shanghai people electric Appliance factory		1	
7	Differential negative pressure	+500-500	American Witt		1	
8	Frequency changer	VFD-M	Delta	4KW	1	
9	Air switch	5SJ63-C60	Chint		1	
		5SJ63-C20			1	
		5SJ63-C10			2	
		5SJ63-C3			1	
		5SJ61-C10			1	
		5SJ61-C6			1	
		5SJ61-C3			3	
10	Ac contactor	3TF47	Chint		1	
		3TB44			1	
		3TB43/22E			1	
		3TB40/10E			3	Cleaning +1
11	microrelay	MY2NJ	Chint		7	
12	Button	DF	Shanghai People Electric		3	
13	Proximity switch	SN04-N	Rayco Electronics		4	
14	Main motor	YZW-12-4	Zhejiang Nanyang explosion-proof motor Co.,	3KW	1	
15	Cycloidal reducer	XWD3-4-43	Zhejiang Aoneng drive		1	
16	micromotor	41K25RGN-C	FTK Motor Co., LTD		2	
17	bearing	6028	Japan		1	
18	Chain	16A-1	Shanghai transmission Co., LTD		1	
19	Explosion-proof view-hole	ABSG	Shanghai Yiyuan explosion-proof electrical		1	

NO.	NAME	Model and specification	manufacturer	power	QTY	remark
<b>Second, high efficiency filter hot fan</b>						
1	Air blower	CF-11-3.2A	Hvac dust removal machinery Co., LTD		1	(customized)
2	Hot-blast explosion-proof machine	YB2-90S-2	Louvre explosion-proof motor	2.2KW	1	
3	Primary filter	790×740×50	Shanghai purification Equipment Co., LTD	G4	1	
4	Medium effect filter	850×780×100	Shanghai purification Equipment Co., LTD	F5	1	
5	High efficiency filter	850×780×150	Shanghai purification Equipment Co., LTD	H13	1	High temperature
6	Heat exchanger	UZGL4R-13-800	Shanghai air conditioning Equipment Co., LTD		1	Electric heating none
7	Electric heating tube	Φ20×600 mm	Jiangsu Changzhou heater factory	1.2KW	38	Steam type none
<b>Three, dust removal noise exhaust fan</b>						
1	Exhaust centrifugal fan	B4-72-4.5A	Hvac dust removal machinery Co., LTD		1	(customized)
2	Explosion-proof machine	YB2-132S2-2	Louvre explosion-proof motor	7.5KW	1	
3	Filter bag		Stainless steel wire mesh		1	(customized)
4	Dust hopper				1	Hanyoo
<b>Four, combined heating and insulation mixing bucket</b>						
1	Heating rod	Φ20×400mm	Jiangsu Xinghua Chushui electric appliance factory	3KW	2	
2	Button	LA19-11	Chint Group		1	
3	Air motor	WH-0.2	Shanghai pneumatic manufacturing company		1	
4	Temperature controller	XMTD-3001	Chint Group		1	
5	thermocouple	WRX-31	Shanghai Electric Appliance Co., LTD		1	
6	Air switch	5SJ62-C32	Chint		1	
7	Ac contactor	3TB40/10E	Chint		2	
8	Plastic caster	70×100	Jiangsu (Province)		3	
9	One by one solenoid valve	MVSC-220-4E1	Taiwan		2	
10	Reducing valve	AR-2000	Airtac		2	
11	Filter pressure reducing valve	BFR-4000	Airtac		1	
<b>5, explosion-proof peristaltic pump (YZ-2525) use: frequency control, flow touch screen display, control</b>						
1	Pump head	YZ2525	Baoding River	0.37KW	1	

NO.	NAME	Model and specification	manufacturer	power	QTY	remark
2	Wear-resistant silicone tube	11.4	Leif (Baoding)		5M	
<b>Six, auxiliary strong current cabinet (steam heating without this configuration; Electric heating has this configuration)</b>						
1	Air switch	NM10-100/300	Chint Group		1	
2	Time delay relay	JS23(ST3P)			5	
3	Ac contactor	CJX2-4011			4	
<b>Seven, automatic cleaning system (optional parts)</b>						
1	Clean the booster pump	CDL2-13	Nanfang Pump Industry	1.5KW	1	
2	nozzle	Stainless steel	Shanghai Spray Manufacturing Co., LTD		5	
3	One by one solenoid valve	2W-160-15	Airtac		3	
4	Two position two way solenoid	2W-250-25	Airtac		2	
5	Cleaning ball	4 "	Shanghai		2	
<b>Eight. Main accessories</b>						
1	Francois	310			20	
2	Round silicone gasket	$\delta=3$			20	
3	Rectangular silicone gasket	$\delta=3$			2	
4	bend	$\Phi 310$			8	
5	pipeline	$\Phi 310$			12 M	
6	Combination tool				1	
7	One by one solenoid valve	1W-250-25	Airtac		1	





# **HANYOO**

**翰洋科技**

Add: No.380 Sanqiaogeng, Gaochun District, Nanjing, China

Tel: +86-025-5621 6295

[Http://www.hanyoopm.com](http://www.hanyoopm.com)