

BG-40

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-40 High Efficiency Coating Machine



MACHINE APPLICATION

BG high efficiency coating machine is a special equipment for Chinese and western tablets, pills and candies to coat aqueous and organic films. The equipment is manufactured in accordance with the "GMP" requirements of the pharmaceutical industry; All of its shell, coating roller (coating pot), heat blower, spraying device and all parts in contact with drugs are made of 304 stainless steel.

MACHINE FEATURES

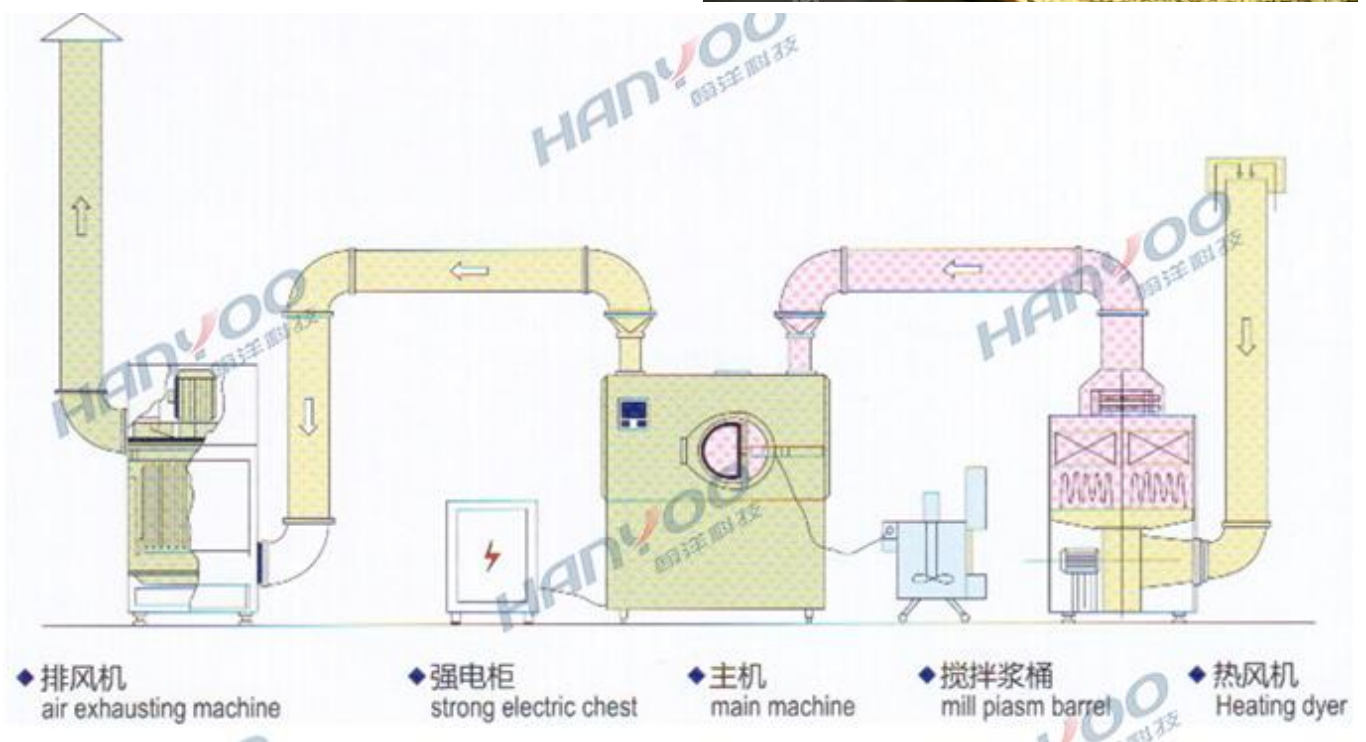
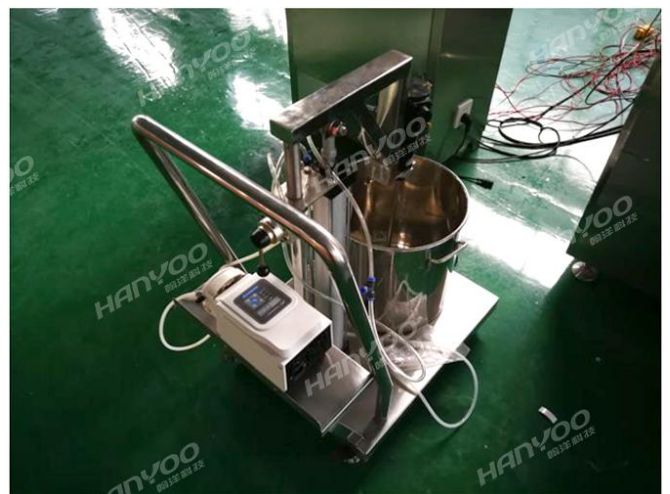
1. The whole process is controlled by microprocessor programmable system and can also be controlled by manual operation. The control system has a variety of applications, operation status selection, closed-loop control of speed and temperature, open-circuit control of negative pressure in the pot of the coating machine and hot air supply volume, complete control parameter display and working status recording and printing function.
2. All coating operation is carried out in a closed state, no dust flying and spraying liquid splashing, is a high quality, efficient, reliable, clean, energy saving, easy to operate in line with SOP operation of the new coating equipment.
3. The PLC control system in the coating machine contains the automatic control and display of all process parameters, such as negative pressure, hot air frequency, exhaust air frequency, speed, temperature, etc., all in the PLC one click to complete. Make the writing and execution of the position operation method (SOP) use digital quantities instead of analog quantities, produce different batches of drugs with the same technical parameters, and strive to achieve zero differences between batches. To ensure the stability of drug quality.

TECHNICAL PARAMETER

MODEL	BG-40
Max. Load Capacity	40kg/time
Machine Size	3000×4500×2500mm
Cylinder Dimension	Φ780mm
Feeding Port Diameter	Φ375mm
Roller Speed	2.0-17r.p.m
Main Motor Power	1.5kw
Exhaust Cabinet Motor Power/flow	3kw/3517 m ³ /h
Hot Fan Power/flow Rate	0.75kw/1285 m ³ /h

MODEL			BG-40
Hot Air Temperature Control Range			- 80°C
Hot Air Purification Efficiency			100,000 class
Peristaltic Pump Power			0.05kw
Silicone Tube Wall Thick			1.6-2.2mm
Main Engine Volume(L×W×H)/Weight			1300×1120×1730mm/850kg
Dimensions of Hot Air Cabinet/Weight			700×700×1730mm/450kg
Dimensions of Exhaust Cabinet/Weight			700×700×1730mm/550kg
External condition	Clean Air	Stress	≥0.4Mpa
		Air Consumption	0.5m³/min
	Source Of Water	Stress	≥0.15Mpa
		Pipe Diameter	1 1/2"
	Compressed Air	Stress	≥0.4MPa
		Air Consumption	65kg/h
	Electrically Heated Type	Power Source	48KW (Three-phase five-wire 220V/60HZ)

MACHINE PICTURES



ELECTRONIC PART LIST(HOST MACHINE)

NO.	NAME	MODEL	MANUFACTURER	REMARK	QTY
-----	------	-------	--------------	--------	-----

Efficient Coating Machine Host

1	Host Material	304-2B Thick:δ3.0	Zhangpu		
2	Spray Gun	1.1	Iwata		3
3	Main Engine Explosion-proof Motor	YB100L1-4 (anti-explosion)	Redson	1.1 kw	1
4	Cycloidal Reducer	BWB18-35	Redson	1.1 kw	1
5	Adjustable Core Ball Bearing	7210	HAERBIN		
6	Deep Groove Bearing	6160	HAERBIN		
7	Chain	12A-1	SUZHOU	A3	1
8	Differential Pressure Gauge	2300-1KPa	DWYER	Main engine negative	1
9	Anemometer	2001AV	DWYER	Wind speed	1
10	Plate Pressure Reducing Valve	LR-1/4-D-O	AirTAC	Gun control	4
11	Plate Pressure Gauge	FMA-50-10-1/4	AirTAC	Gun control	4
12	Touch Screen	SMART	Siemens	7-inch color	1
13	Scram	ZB2-BE102C	Schneider	red	1

Electric Control Cabinet (Stainless Steel)

1	Circuit Breaker	65N	Schneider	4P 63A	1
2	Circuit Breaker	65N	Schneider	C1P 6A	2
3	Ac Contactor	LC1E0910M5N	Schneider	220V 9A	1
4	Ac Contactor	LC1E2510M5N	Schneider	220V 25A	1
5	Intermediate Relay	RXM4LB2P7	Schneider	220V	2
6	Intermediate Relay	RXZE1M4C	Schneider	220V	2
7	Thermal Overload Relay	LRE08KN	Schneider	1-1.6A	4
8	Frequency Changer	Delta EL series	Delta	3KW	1

NO.	NAME	MODEL	MANUFACTURER	REMARK	QTY
9	Frequency Changer	Delta EL series	Delta	1.1KW	2
10	HMI	SMART series	Siemens		1
11	PLC	Siemens	Siemens	224XP	1
12	Temperature Control		GUOLONG	TCW--32K	2
13	Power Supply		Meanwell	D-30BGD	1

ELECTRONIC PART LIST(AUXILIARY ENGINE)

NO.	NAME	MODEL	MANUFACTURER	POWER	QTY.
-----	------	-------	--------------	-------	------

High efficiency filter heat blower

1	Air Blower	CF (anti-explosion)	YINGFA		1
2	Hot-air Motor	YB-90S-4	FEIYOUTE	1.1kw	1
3	Primary Filter	1020*520*46		G4	1
4	Medium Effect Filter	520*620*120		F8	1
5	High Efficiency Filter	520*620*120		H13	1
6	Stainless Steel Radiator	UZGL4R-11-23	CHANGZHOU		1
7	Electric Heating Tube	Diameter 16*600	XINGHUA	6kw	6
8	Blast Line	Φ250mm	Hanyoo		1

Dust Removal Silencer Exhaust Fan

1	Exhaust Centrifugal Fan	B4-72-4.7 (anti-explosion)	YINGFA	3kw	1
2	Coated Filter Cartridge	Polyester membrane filtration	FEIYOUTE		1

Combined Mixing Tank

1	Air Motor	TJ8	SHANGHAI		1
2	Plastic Caster	Diameter 75*32	SHENHUA		4
3	Peristaltic Pump	BT-100	LEIFU		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)