

**BJC-B Smei**

# Automatic Capsule Filling Machine



**EQUIPMENT  
TECHNICAL DOCUMENTS**

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



## BJC-B Smei-Automatic Capsule Filling Machine



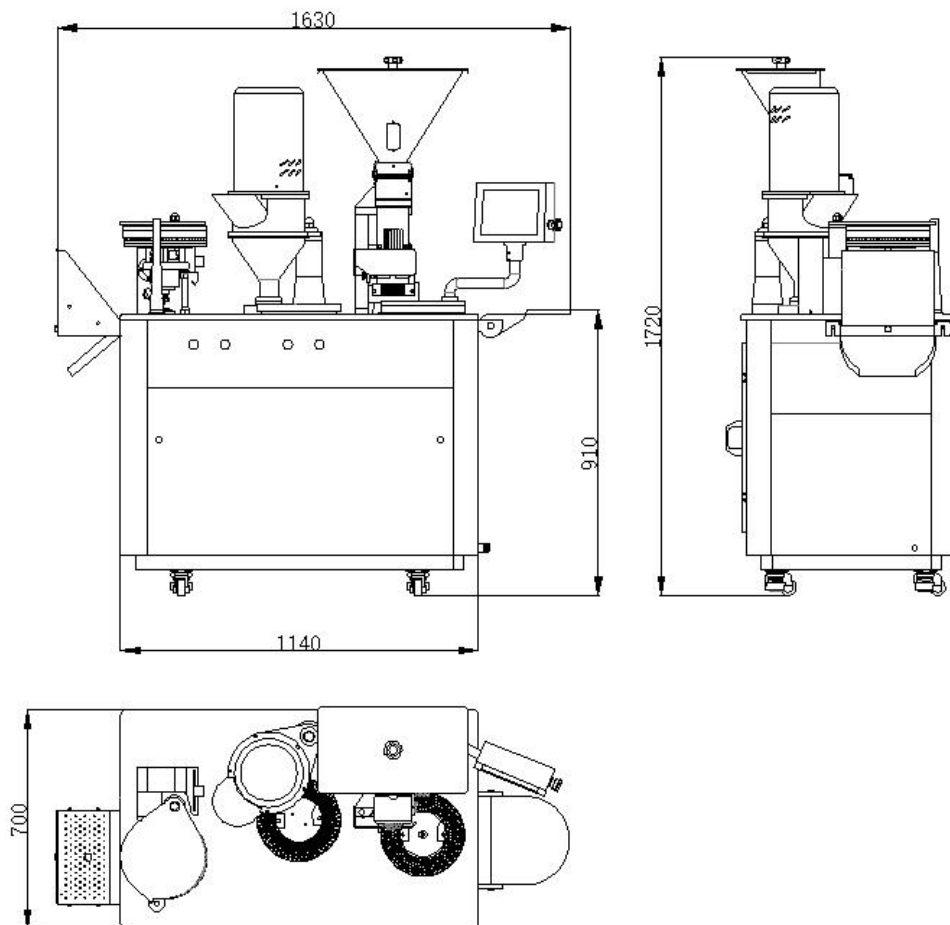
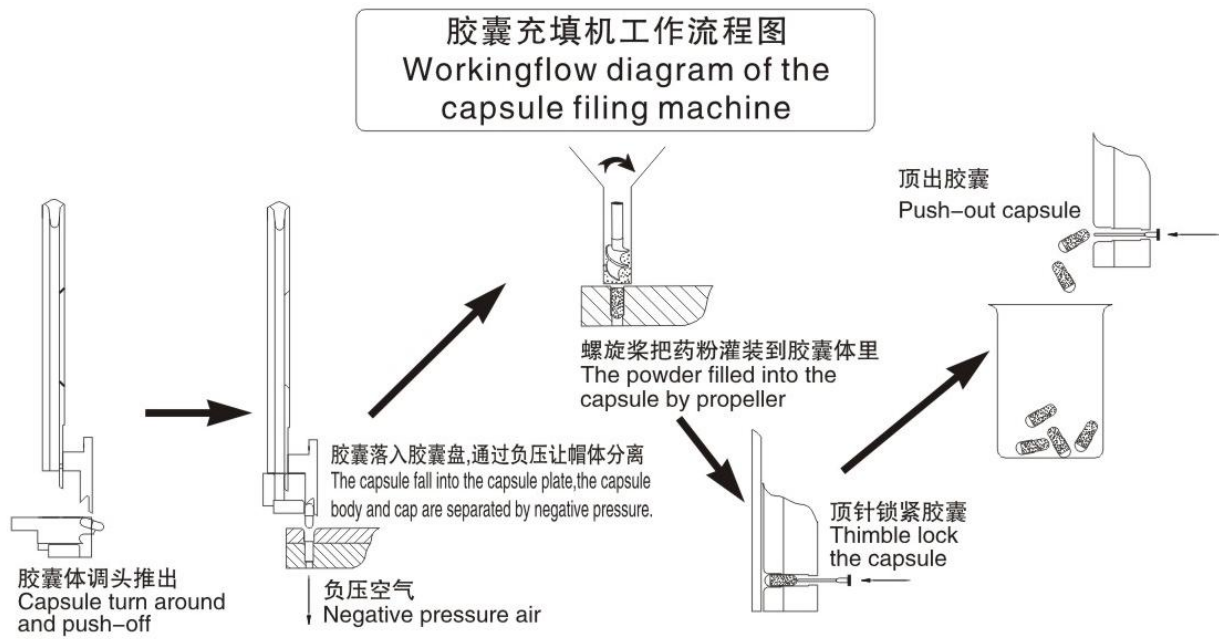
### MACHINE INTRODUCTION

The machine is adopted programmable control system, touch panel operation, stepless transduction speed shift, and electronic automatic counter. It can automatically complete the action of position, separation, filling, locking, etc. The filling dosage is accurate, and the operation is very convenient. The overall machine is made of good quality stainless steel, and the machine is suitable for capsules which filled with powder and pellet.

## MACHINE FEATURES

1. The new horizontal capsule filling machine is a performance improvement product developed by our company in response to the insufficient performance of existing horizontal capsule filling machines in the market.
2. The new broadcasting device adopts a more humanized independent support and power separation design, which can operate more stably and with lower noise
3. The linear track type control bag switch is more convenient and accurate for adjusting the opening position and size of the control bag frame.
4. The front plate of the small capsule bucket can be opened independently, making it easier and faster to clean the capsules.
5. Both large and small capsule buckets are equipped with quick positioning devices, allowing for quick positioning, disassembly, and assembly without the need for tools.
6. The capsule tray adopts linked operation to avoid the drawbacks of continuous acceleration and deceleration compared to the original intermittent operation, and can achieve high-speed and stable operation.
7. The self rotation design of the capsule easily achieves the smooth separation of unseparated capsules.
8. The capsule tray rack adopts a simple storage design, making it easy to unfold and store, and more user-friendly.
9. Bottom support filling station, realizing short lever support for overall filling station, making filling more stable and accurate.
10. The feeding screw power adopts a multi-stage positioning design, making the filling more stable and silent.
11. The new safety horizontal locking device overcomes the drawbacks of exposed cylinder and air pipe adjustment devices in the original model, greatly improving the safety index.
12. The powder screening type capsule removal mechanism can achieve rapid overall disassembly and positioning installation within half a minute, making it convenient and thorough to clean without dead corners.
13. The body and workbench are made of 304 stainless steel, which is corrosion-resistant and oxidation resistant.

## FLOW CHART



## TECHNICAL PARAMETERS

Model	BJC-B
Mould changing time	5-10mins
Production capacity	25000-30000 pcs/h(depend on capsule size)
Suitable capsule size	000#、00L、00#、0L#、0#、1#、2#、3#、4#、5#、
Filling type	Pellet, powder without moisture, granules
Power	4.0kw
Compressed air	0.03m <sup>3</sup> /min 0.7Mpa
Vacuum pump	Pumping rate 63m <sup>3</sup> /h
Overall dimension of machine (L*W*H)	1630×700×1720mm
Overall dimension of package (L*W*H)	1720×830×1760mm
Air cargo outsourcing size	1720×800×1450mm
Net weight	400 kg
Gross weight	500kg

## ELECTRONIC PART LIST

NO.	NAME	MODEL	BRANE	QTY
1	Single pole rotary vane vacuum pump	XDB-040	Ningbo Hongyi	1
2	Three phase asynchronous motor	Y263M2-4	Guanjia Transmission	2
3	Three phase vertical gear reduction motor	GV-224000W-5:1	rehoboth	1
4	frequency converter	SINAMICSV20	Siemens	3
5	PLC programmable controller	6ES7288-1S	Siemens	1
6	Touch Screen	6AV6648-0D	Siemens	1
7	Worm gear reducer (dual output shaft)	NMRV50-15:1-63B5	Guan Jia	1
8	Intermediate relay	LYZN-J24VDC	Omron	9
9	AC relay	LCIE12	schneider	2
10	Circuit breaker	DZ47-63 D20	schneider	1
11	Circuit breaker	DZ47-63 C6	schneider	1
12	Emergency switch	XB2-BS542	schneider	1
13	Filling cylinder	SC50X125	AirTAC	1
14	Locking cylinder	SNA100*30	AirTAC	1
15	Flip cylinder	SC40*150S	AirTAC	1
16	Cover cylinder	SDA500	AirTAC	1
17	Air filtration pressure regulating valve	AFC2000/AFR2000	Stark	1
18	Optoelectronic opening light	GL-8F	sunx	1
19	proximity switch	E2E-X5ME1	schneider	4
20	Magnetic spring sensor	CMSG-020	AirTAC	2
21	Magnetic spring sensor	CMSG-020	AirTAC	1
22	solenoid valve	4N210-08	AirTAC	4
23	rotating machines	4RK40GN-C	rehoboth	1



# **HANYOO**

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