

**BJC-D**

# Semi-Automatic Capsule Filling Machine



**EQUIPMENT  
TECHNICAL DOCUMENTS**

**南京翰洋智能设备有限公司**  
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## BJC-D Semi-Automatic Capsule Filling Machine



### MACHINE FEATURES

- The semi-automatic capsule filling machine is a product developed by our company to address the shortcomings of existing semi-automatic capsule filling machine products and propose corresponding performance indicators.
- The whole machine adopts programmable control system, touch screen panel operation, stepless frequency conversion debugging, and pneumatic joint control.
- The equipment adopts the double head fully automatic capsule filling machine's capsule removal method in design. In terms of capsule removal speed, mold replacement, filling degree, maintenance, etc., it has made significant progress compared to the old-fashioned semi-automatic capsule filling machine equipment. The equipment has become faster, more convenient, simpler, and more stable. In terms of bag locking, we adopt pneumatic control

and automated bag locking methods to save manual time.

- In terms of human-machine aspects, our company has installed a safety door device at the bag removal station. When the safety door is not closed, the equipment is in a stationary state and cannot operate. At the powder filling station, a visual window has been added to observe the degree of powder filling. A barrier plate is installed above the lock bag station to prevent accidents when the lock bag flips over. A capsule tray placement rack has been added to the right side of the device for ease of use.
- The body and workbench are made of stainless steel, which is corrosion-resistant and oxidation resistant.
- The device can be filled with different types of capsules, used for hard capsule filling of drugs, health products such as powders, granules, and microspheres.

## TECHNICAL PARAMETERS

Model	BJC-D
Production capacity	25000-40000 pcs/h
Suitable capsule size	00L、00#、0L#、0#、1#、2#、3#、4#、
Filling type	Pellet, powder without moisture, granules
Power	4.0kw
Compressed air	0.03m <sup>3</sup> /min 0.7Mpa
Vacuum pump	Pumping rate 40m <sup>3</sup> /h
Overall dimension of machine	1790×700×1720 mm
Overall dimension of package	1950×870×1750 mm
Air cargo outsourcing size	1950×800×1500mm
Net weight	450 kg
Gross weight	550kg

## ELECTRONIC PART LIST

NO.	NAME	MODEL	BRAND	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 (silent type)	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 stop 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	SDA50*70	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



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