

BJC-C

Semi-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-C Semi-Automatic Capsule Filling Machine



MACHINE FEATURES

This capsule filling machine is the latest and most efficient capsule filling equipment developed and improved by our factory. It meets the market demand for filling multiple materials inside a capsule, which can be achieved on one device and has a high cost-effectiveness. At the same time, the new type of broadcasting bag assembly adopts a cylindrical positioning design, which reduces the time for mold replacement and debugging to only 5-8 minutes. And the new assembly will be simpler, more intuitive, and more convenient compared to the old model in terms of capsule dropping, turning, vacuum separation, and manual operation, with a higher rate of capsule installation. This machine has a novel structure and beautiful appearance. It adopts

electrical and pneumatic joint control, equipped with electronic automatic counting device, programmable controller, and frequency converter speed control device. It can respectively complete the actions of capsule positioning, separation, filling, locking, etc., replacing manual filling, reducing labor intensity, improving production efficiency, accurate filling dosage, and meeting the hygiene requirements of pharmaceutical enterprises.

This machine consists of a new type of bag filling and separation mechanism, two types of drug filling mechanisms, a locking mechanism, a variable frequency speed regulation mechanism, pneumatic and electrical control systems, protective devices, as well as vacuum pumps and air pump (optional) accessories.

Both domestically produced or imported mechanism capsules and handmade capsules (handmade capsules that have been fitted with a pill machine) are applicable, with a finished product qualification rate of over 98%.

Equipment parameters

a) Power supply requirements

Voltage: 380V \pm 10V, three-phase;

Frequency: 50Hz \pm 1 Hz;

Power: 4kw.

Attention: The connection of the main power supply must comply with the regulations of the country where this machine is used.

b) Gas supply requirements

At the cleaning station, it is necessary to add clean compressed air.

Air pressure: 0.4-0.8Mpa;

Airflow rate: 5 m³/h;

c) Vacuum cleaner

The machine should be equipped with a vacuum cleaner or vacuum cleaner during operation;

The displacement is approximately 200m³/h.

Vacuum degree: -0.01 Mpa to -0.02 Mpa

d) Vacuum pump

The machine is equipped with a built-in dry vacuum pump for opening capsules.

Vacuum displacement: 6m³/h;

Vacuum pressure: 150mbar.

e) Working environment conditions

Temperature: 18 °C~24 °C;

Relative humidity: 40% to 50%;

Environment: anti-corrosion and dustproof

TECHNICAL PARAMETERS

MODEL	BJC-C
productivity	10000 - 25000 capsules/ h
Applicable capsule	00#、0L#、0#、1#、2#、3#、4#
Filling dosage form	Non sticky powders and small granules
total power	4kw
air pressure	0.03m ³ /min 0.7Mpa
vacuum pump	Extraction rate 40m ³ /h
Dimensions of the body (mm)	1550×700×1630
Whole machine weight	Net weight 400kg, gross weight 500kg

ELECTRONIC PART LIST

NO.	NAME	MODEL	BRAND	QTY
1	Single pole rotary vane vacuum pump	RA0040F	Ningbo Hongyi	1
2	gear motor	WA20DR63M4	Zhongyan Purple	1
3	gear motor	W20DR63M4	Hangzhou Sunrise	1
4	Three phase vertical gear reduction	CV22-400W-5:1	Zhejiang Keruida	1
5	frequency converter	V20	Siemens	2
6	Intermediate relay	JIX-2C	Omron	9
7	AC relay	CJX2-12	schneider	2
8	Circuit breaker	DZ47-63 D20	schneider	1
9	Circuit breaker	DZ47-63 C6	schneider	1
11	emergency stop switch	XD2	schneider	1
12	Touch Screen	SMART700	Siemens	1
13	PLC programmable controller	214-1AD23-0XA0	Siemens	1
14	Driver	SGD7S-2R8A00A	Yaskawa, Japan	1
15	Private server motor	SGMJ-04AFC61	Yaskawa, Japan	1
16	Filling cylinder	SC50X125	Stark	1
17	Locking cylinder	MAL100X80	Stark	1
18	solenoid valve	4V210-08	Stark	6
19	Air filtration pressure regulating valve	AL-2000	Stark	1
20	Optoelectronic opening light	GL-8F	sunx	1
21	proximity switch	E2E-X5ME1	schneider	1
22	switch power supply	S-24-50	Taiwan Mingwei	1

Product Offer

Quotation No:	
Quotation Date:	

Seller	Hanyoo PharmaTech Co., Ltd.	Buyer	
Contact		Contact	
Cell Phone		Cell Phone	
Email		Email	

- Dear valued customer, please check the machine quotation as follows:

NO.	PRODUCT NAME	QTY	UNIT PRICE (USD)	TOTAL PRICE (USD)	NOTE
1					
2					
3					
4					
5					

Price Description

The price of this quotation shall include the cost of machinery, technical documentation, packing, transportation, installation and commissioning, training, quality assurance, insurance before the delivery of the machinery and all taxes and fees imposed by the government of the seller's locality in connection with the execution of this contract, including but not limited to customs duties, income tax, sales tax, value-added tax and so on. The price in this quotation does not include all taxes and fees levied by the local government of the buyer in connection with the execution of this contract.

Terms of Payment

Within 10 days after contract signing, the buyer shall made advance payment of 50% of the total purchase value by telegraphic transfer; within 10 days of FAT's approval, the buyer is required to pay the remaining 50% of the total purchase value before the delivery of the machinery.

Delivery Time

The seller shall meet the acceptance criteria 30 days after receipt of the following material:

- 1) Purchase order (Or signed contract)
- 2) Advance payment
- 3) Design samples (if necessary)
- 4) Countersigned DQ (if necessary)
- 5) Countersigned factory layout (if necessary)

If the buyer delays in providing the above material, the delivery date will be postponed accordingly.

Place of Delivery

Shanghai port, China.

Warranty Period

The warranty period of the machinery shall be 12 months from the date of commissioning or 15 months from the date of issuance of the delivery bill of lading, whichever is earlier. The warranty covers parts that are damaged or defective as a result of poor assembly. The relevant expenses shall be borne by the seller. The equipment damage and the natural wear and tear of consumable parts due to the incorrect operation of the buyer are not covered by the warranty. The above quality guarantee is effective provided that the machinery works 8 hours per day. If the working hour per day be extended, the warranty period will be reduced proportionately.

After Warranty Period

After the warranty period, the seller shall provide after-sales service for software upgrade, spare parts supply and maintenance for the sold machinery, and the seller shall charge a reasonable fee in accordance with the market price.

Obligations of Seller

(1) About the design document for mold

Within 70 days after the seller receives the full advance payment and samples from the buyer, the seller shall provide the buyer by e-mail the design document for confirmation by the buyer.

(2) Production

After the seller and the buyer have signed or stamped the DQ documents(If necessary), the seller shall organize the production in accordance with the contract.

(3) FAT

During FAT, if the machinery does not conform to the provisions of the contract, the seller should be free of charge to carry out rectification.

(4) After FAT

If FAT passed, the seller shall organize the delivery after receiving the corresponding payment by T/T.

(5) Equipment Protection

Prior to the delivery of the machinery, the seller shall be responsible for the proper packing and take specific protective measures.

Obligations of the buyer

The buyer is responsible for providing samples and trial run materials for design and trial run. Design samples and trial run materials will normally be delivered to the seller at the quantities and times agreed by both parties. Normally the design samples will arrive at the seller's factory within 7 days of the signing of the contract. The trial run materials shall arrive at the seller's factory 1 months before FAT. If the samples and trial run materials are likely to harm human health or pollute the environment, the buyer shall notify the seller in writing. Upon written application by the buyer, the seller is willing to assist the buyer in purchasing packing materials for carrying out test run and FAT, but all expenses incurred will be borne by the buyer. The seller undertakes the buyer to purchase the packing material immediately upon receipt of the buyer's instruction and the corresponding payment. At the end of the FAT, the buyer's trial run material will be destroyed in accordance with Chinese law and seller's standard procedure, unless otherwise expressly instructed by the buyer. If any other expenses are incurred, the expenses shall be borne by the buyer.



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