

GL-18

Automatic Capsule Filling Machine



**EQUIPMENT
TECHNICAL DOCUMENTS**

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





we are a national high-tech enterprise that integrates research and development, production, sales and service. We specialize in providing first-class packaging equipment solutions for food, pharmaceutical, daily chemical, electronic and other enterprises, with 20 years of experience in automation research and development production technology. The company's factory is located in Gaochun District, Nanjing City, covering an area of over 12000 square meters. The company's main products include tablet presses, capsule filling machines, blister packaging machines, counting and bottling production lines, mixers, granulators, box packing machines, and other products. Having dozens of invention and utility model patents, the company was recognized as a technology-based small and medium-sized enterprise. Some of its products have passed the CE certification of the European Union and obtained self-operated import and export rights. Our company's products have been sold to more than 30 provinces, cities, and municipalities across the country, and have been exported to over 100 countries worldwide, including the United States, Canada, Russia, the United Kingdom, Germany, Spain, Malaysia, Indonesia, Thailand, India, Brazil, etc. We have gained a good reputation and credibility in both domestic and international markets.



CUSTOMER CASE

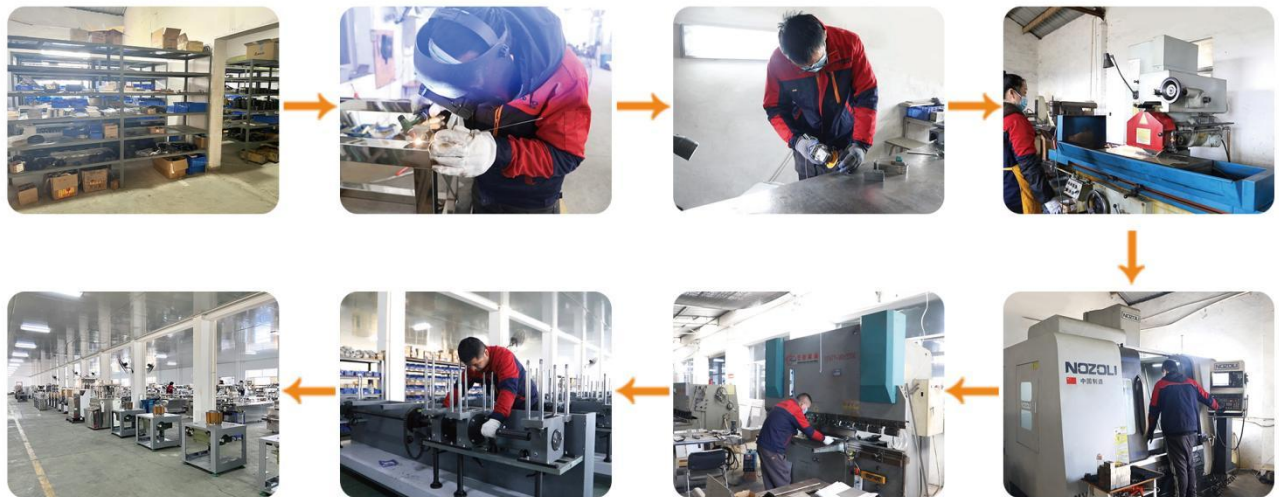


EXHIBITION & CLIENT

WELCOME TO VISIT US



WORKFLOW

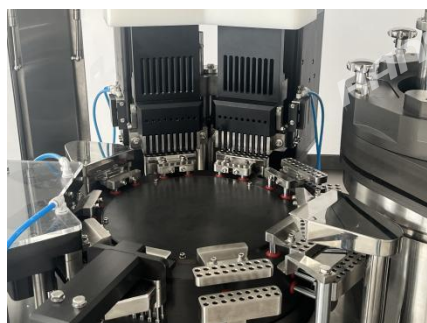


WORK SHOP & SHOW ROOM

MODEL COMPLETE



GL-18 Automatic Capsule Filling Machine



MACHINE INTRODUCTION

GL series automatic capsule filling machine is a new product specially improved by our company according to the market experience. The whole machine adopts arc design, the equipment flow line is smooth and the appearance is atmospheric. The equipment adopts PLC programming, man-machine interface operation, touch screen display. Automatic alarm display for running faults or lack of materials, automatic shutdown, and automatic elimination of alarms after troubleshooting. The machine also has the functions of password input, parameter setting, data printing, zero clearing and so on. All the main key parts of the machine such as transmission shaft, CAM, bearing are imported materials, reliable quality, is the first choice for filling capsule drugs ideal equipment, and fully comply with GMP requirements.

MACHINE FEATURES

1. The equipment adopts internal CAM drive, reduces the center of gravity of the equipment, stable high-speed operation state, adopts Ferguson drive, small vibration, high-speed operation noise is less than 75dB, the dose difference is controlled within 3%-5% (depending on the powder situation);
2. The rotating part is completely closed, automatic lubrication system can be added, and the working table is free of oil, avoiding cross-contamination with drugs;
3. The gap between the dose plate and the copper plate has a special adjustment device, which does not need to be measured with a feeler, and the adjustment is quick and easy.
4. GL series automatic capsule filling machine adopts German Siemens man-machine interface, PLC programmable controller, liquid crystal display output per minute, cumulative output, empty capsules and powder status, lack of capsule alarm and powder is not enough automatic shutdown, fault diagnosis tips.
5. The equipment mold installation has pin holes, mold correction is quick and easy.
6. Adopts double release sac structure, stable release sac under fast running state, in line with GMP requirements.
7. The equipment adopts mold brush cleaning and dust suction device to improve the probability of capsule loading, and the probability of capsule loading can reach 99.99%.

TECHNICAL PARAMETERS

Model	GL-18
Motor Power	8kw
Number of Holes	18
Power Supply	Customizable
Maximum Production Capacity	120,000 pcs/h
Filling Capsule Model	#000- #5
Weight	1800kg
Size	1310×1260×2060mm
Capsule Loading Rate	99.99%
Noise	≤75 dB
Content Uniformity	3%-5%
Compressed Air	0.4Mpa
Water Source Requirements	running water
Vacuum Degree	63m ³ /h -0.04 ~ -0.08MPa
Discharge	200L/h
Inner Diameter Of Inlet Pipe	12mm
Inner Diameter Of Drainage Pipe	20mm
Ambient Temperature	21℃±3℃
Requirements For The Height Of The Workshop	2m
Relative Humidity Of Working Environment	40-55%
Displacement	300 m ³ /h
Adapt to the filling range	Powder, granule, pellet, tablet

MACHINE INTRODUCTION



Capsule loading station, quick replacement, easy alignment



Powder filling station. More accurate filling and easy cleaning.



Latching station with dust collection system.



Fully enclosed capsule output.



Brush, clean and collect dust before capsule molding.



Siemens control systems.

ELECTRONIC PART LIST

NO.	NAME	MODEL	BRAND	QTY
1	Touch Screen	6AV6 648-0CE11-3AX0	SIEMENS	1
2	Frequency Changer	6SL3 210-5BB23-0UVO 3KW	SIEMENS	1
3	PLC	6ES7 288-1SR20-0AA0	SIEMENS	1
4	Main Motor	CH32-1500-10S	TAIBANG	1
5	Index Box	RU83DS-06-120-2R-S2-V-PPP-X	NOHITO	1
6	Index Box	DS83-10-150-2R	NOHITO	1
7	Vacuum Pump	SK-0.5A	JADE RING	1
8	Charging Machine	WPWDX-40-20-A	YOUUMAN	1
9	Reduction Gear	Y2-4-0.18KW-B5	YOUUMAN	1
10	Proximity Switch	TL-Q5MC1-Z	AUTONICS	4
11	Proximity Switch	E2E-X5ME-5	AUTONICS	1
12	Proximity Switch	E3F3-D12	AUTONICS	1
13	Material Level Device	TSA-0M-25NB	TONGSHEN	1
14	Air Switch	OSMC32N3C32A	SCHNEIDER	1
15	Air Switch	OSMC32N3C10A	SCHNEIDER	1
16	Air Switch	OSMC32N1C2A	SCHNEIDER	1
17	Thermal Relay	LRD05C	SCHNEIDER	2
18	Thermal Relay	LRD10C	SCHNEIDER	1
19	Contactor	LC1D32M7C	SCHNEIDER	1
20	Contactor	LD1D09M7C	SCHNEIDER	1
21	Contactor	LC1D18M7C	SCHNEIDER	1
22	Push Button Switch	ZB2-BS54C	SCHNEIDER	2
23	Scram Switch	ZB-BA5C	SCHNEIDER	1
24	Bearing	/	IKO	90
25	Dust Collector	XCQ-1.2	HANYOO	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.

The banner features a dark blue background with several white line-art icons related to medicine and healthcare. These include a blister pack of pills, a medicine bottle with a cross, a spilled pill, two pills, a pill bottle, two pills, an ampoule, and another blister pack of pills.

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)