

GL-9

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

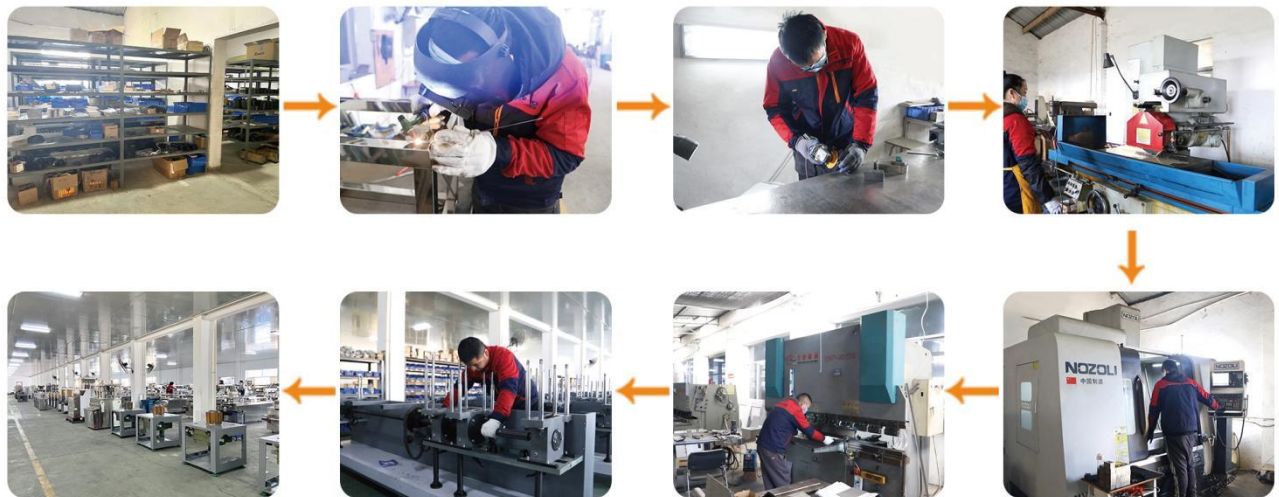


EXHIBITION & CLIENT

WELCOME TO VISIT US



WORKFLOW



WORK SHOP & SHOW ROOM

MODEL COMPLETE



GL-9 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%.

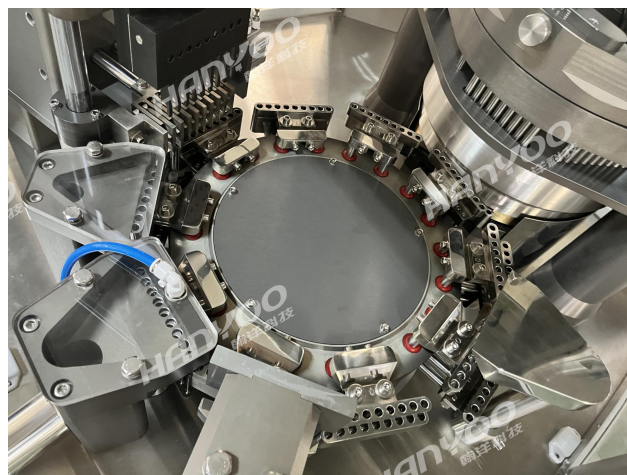
TECHNICAL PARAMETERS

Model	GL-9
Motor Power	5kw
Number of Holes	9
Power Supply	Customizable
Maximum Production Capacity	72,000 pcs/h
Filling Capsule Model	#000- #5
Weight	1150kg
Size	1090×1070×1860mm
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°C±3°C
Requirements For The Height Of The Workshop	2m
Relative Humidity Of Working Environment	40-55%
Displacement	300 m ³ /h

MACHINE INTRODUCTION



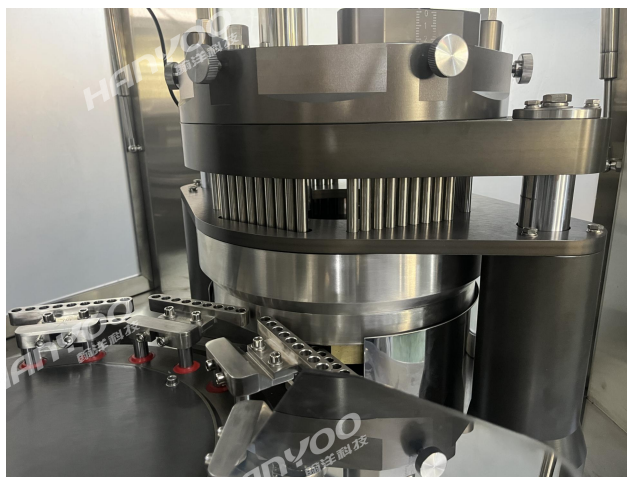
GMP/FDA Standarded



Powder contact part: SUS304(SS316 optional)



Full closed capsule loading system, easy cleaning



**New filling station, stable & accurate filling,
rate over than 97% (Adapt filling most type of powder)**



**Brush cleaning with dust collector,
more stable capsule loading**



All electronic parts adopted international brand

ELECTRONIC PART LIST

NO.	NAME	MODEL	BRAND	QTY
1	Touch Screen	DOP-107BV	Delta	1
2	Frequency Changer	VFD4A2MS43ANSAA	Delta	1
3	PLC	DVP-24EC00R3	Delta	1
4	Main Motor	CH32-1500-10S	Taibang	1
5	Index Box	RU83DS-06-120-2R-S2-V-PPP-X	Numerous forces	1
6	Index Box	DS83-10-150-2R	Numerous forces	1
7	Vacuum Pump	SK-0.5A	Jade ring	1
8	Charging Machine	WPWDX-40-20-A	Youman	1
9	Reduction Gear	Y2-4-0.18KW-B5	Youman	1
10	Proximity Switch	TL-Q5MC1-Z	Ottonicus	4
11	Proximity Switch	E2E-X5ME-5	Ottonicus	1
12	Proximity Switch	E3F3-D12	Ottonicus	1
13	Material Level Device	TSA-30M-25NB	Open source	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

A dark blue horizontal banner featuring various medical icons in a lighter blue color. The icons include a blister pack of pills, a medicine bottle with a cross, two crossed capsules, a pillbox, two pills, a syringe, and another blister pack.

HANYOO

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