Product Data

0

CapCN Hard Capsule Filling Machine

11

HUADA Pharma international Co., Ltd



Ver.cap2022.1215.01





CapCN Hard Capsule Filling Machine

Product Data

Contents

SFK-700	Capsule Filler	
SFK-3000	Capsule Filler	
Cap CN- 24/42 OEB Pro	Capsule Filler OEB 4	
Cap CN- 24/48C	Capsule Filler	
Cap CN- 72/210C	Capsule Filler	
Cap CN -450C	Capsule Filler	
Cap CN -72/240	Capsule Filler	
JTJ-V	Semi-auto Capsule Filler	
Cap CN -Semi Pro	Semi-auto Capsule Filler	
Cap CN -Semi	Semi-auto Capsule Filler	
Cap CN -Semi II Pro	Semi-auto Capsule Filler	
Cap CN -Liquid 16/18	Liquid Capsule Filler	
LSV-C100	Capsule Polisher & Sorting	
Cap CN- Polisher II Pro	Capsule Polisher	
SAYP-700S	Metal Separator	

SFK-700 Capsule Filler



ado clea

SFK-700 full automatic hard shell capsule filling machine adopts an international advanced design concept. Through the clearance operation, the full automatic hard capsule filling machine is completed by the pressure type of the high precision metering disc filling rod.

The design of the equipment parts is precise, the appearance is beautiful and practical, the operation is smooth, the mold can be replaced simply and quickly, and the capsule sorting ,Separating, filling, removing, locking, popping up, cleaning and many other processes can be completed automatically.

The equipment design is fully in line with the requirements of CGMP and FDA specification.

It is an intelligent device for pharmaceutical production, health care products and capsule production in food industry.

Features

The equipment adopts the international high quality electrical components,

so that the service life of the electrical parts of the equipment is longer and more stable.

The equipment adopts monolithic platen design, each movement part is sealed to avoid the powder penetrating into or out of the room as much as possible to ensure the cleanliness of the workshop. All the motors that the equipment adopted are with low energy consumption, which fully achieves energy saving.
The equipment adopts German SIEMENS system, SIEMENS inverter drive, stepless speed regulation, SIEMENS PLC program control, stable operation, safe and reliable.



Model	SFK-700
Max capacity	42,000capsules/hour
Suit for capsule size	00#~5#
No. of Segment bores	5
Machine dimensions	951x1551x2155mm
Power	3kW
Filling buffering procedure	✓
Buffering locking	✓
cGMP & FDA	✓
Quick cleaning	✓
Protruding mold	✓
Adjustable dosing disc	۲
✓: Yes	

SFK-3000 Capsule Filler

SFK-3000 full automatic hard shell capsule filling machine adopts an

1 international advanced design concept. Through the clearance operation, the full automatic hard capsule filling machine is completed by the pressure type of the high precision metering disc filling rod.

The design of the equipment parts is precise, the appearance is beautiful and practical, the operation is smooth, the mold can replaced simply and quickly, and the be capsule sorting ,Separating, filling, removing, locking, popping up, cleaning and many other processes can be completed automatically.

The equipment design is fully in line with the requirements of CGMP and FDA specification.

It is an intelligent device for pharmaceutical production, health care products and capsule production in food industry.

Features

Different powder has a different specific gravity. With an adjustable dosing disc, there is no need to change

dosing discs frequently, saving both time and labor. The equipment adopts the international high quality electrical components, so that the service life of the electrical parts of the equipment is longer and more stable.

The equipment adopts monolithic platen design, each movement part is sealed to avoid the powder penetrating into or out of the room as much as possible to ensure the cleanliness of the workshop. All the motors that the equipment adopted are with low energy consumption, which fully achieves energy saving.

The equipment adopts German SIEMENS system, SIEMENS inverter drive, stepless speed regulation, SIEMENS PLC program control, stable operation, safe and reliable.



Model	SFK-3000
Max capacity	176,400capsules/hour
Suit for capsule size	00#~5#
No. of Segment bores	21
Machine dimensions	2020x1276x2343mm
Power	10kW
Filling buffering procedure	✓
Buffering locking	✓
cGMP & FDA	✓
Quick cleaning	✓
Protruding mold	✓
Adjustable dosing disc	۲
✓: Yes	- 2 -

CapCN-24/42 OEB Pro Capsule Filler OEB 4

CapCN-42 OEB Pro is an automatic hard capsule filling machine. Our CapCN series introduces the international advanced design concept and utilizes high-precision



dosing disc and tamping pins to fulfill capsule filling. It can automatically complete the multiple working process, from capsule sorting, separation, filling, rejection, closing, ejection to cleaning. With precisely designed equipment parts, beautiful and practical appearance, stable operation, simple and fast mold replacement,

and in full compliance with the CGMP and FDA standards, it is intelligent equipment for capsule production in pharmaceutical industry, health product and food industries.

Features

Different powder has a different specific gravity. With an adjustable dosing disc, there is no need to change dosing discs frequently, saving both time and labor. It applies international high-quality electronic components which

have longer service life and more reliable

performance.

It has an integral working surface. Each moving part is sealed, so as to prevent the powder entering into or escaping from sealed parts as much as possible, ensuring the cleanliness of the working site.

The energy consumption of all motors is quite low, which achieves energy saving.

It applies German Siemens system, driven by Siemens frequency converter with stepless speed regulation, and controlled by Siemens PLC program, which makes stable, safe and reliable operation.



Technical Parameters

Model	CapCN-42 OEB Pro
Rotational speed	140rpm
Suit for capsule size	00#~5#
Max capacity	42,000capsules/hour
Capsule filling rate	99.97%
Filling accuracy	3.0%
System	Siemens
Longer service life	~
German Siemens system	✓
cGMP & FDA	✓

CapCN-24/48C Capsule Filler

CapCN-24/48C automatic capsule filler processes the products for optimal productivity up to 400/800 capsules per minutes, featuring low-maintenance operation, minimal downtime, and overall dependable production. Powder dosing uses the 3/6 stage tamping technology for an enhanced accuracy. Filling of pellets is available. Then they are transferred into special cells on the rotor. Here the capsule is separated, after what the bottom part comes to the filling position.

> After filling the bottom part with the material, on next positions the nonseparated capsules are rejected, and the filled bottom parts are joined with top parts, counted and taken away into the receiving box.

Features

cGMP design with emphasis in powder dust handling: Enclosed main turn table avoid dust getting into mechanical parts.

Automatic control for capsule and powder supply.

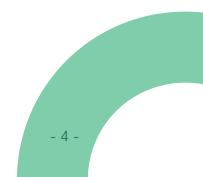
PLC control for reliable operation. Touch Screen HMI, featuring user-friendly controls:

production counter, manual/automatic / parameter setup modes, alarms.
Precision capsule segments and dosing disk minimizes adjustments following parts changeover.

SS 304 stainless steel frames and transparent safety interlock guards.



Model	Cap CN -24C	Cap CN- 48C
Max capacity	24,000capsules/hour	48,000capsules/hour
No. of Segment bores	3	6
Suitable for capsule	(00#~5#
Noise		<75dB
Power	380/220V,50/60Hz,6kW	380/220V,50/60Hz,5kW
Machine dimensions	750x700x1700mm	1080x1240x1930mm
Net weight	700kg	800kg
cGMP	v	v
PLC control	V	~
✓: Yes		



CapCN-72/210C Capsule Filler



Cap**CN**-210C automatic capsule filler processes the products for optimal productivity up to 3500 capsules per minutes, featuring low-maintenance

operation, minimal downtime, and overall dependable production.

Powder dosing uses the 5 stage tamping technology for an enhanced accuracy. Filling of pellets is available.

Capsules from the bunker are fed into the orienting device along the vertical guide.

Then they are transferred into special cells on the rotor. Here the capsule is separated, after what the bottom part comes to the filling position.

After filling the bottom part with the material, on next positions the nonseparated capsules are rejected, and the filled bottom parts are joined with top parts, counted and taken away into the receiving box.

Features

CGMP design with emphasis in powder dust handling: Enclosed main turn table avoid dust getting into mechanical parts.

Automatic control for capsule and



powder supply.

PLC control for reliable operation. Touch Screen HMI, featuring user friendly controls: production counter, manual / automatic / parameter setup modes, alarms.

Precision capsule segments and dosing disk minimizes adjustments following parts changeover.

SS 304 stainless steel frames and transparent safety interlock guards.

Technical Parameters

Model	Cap CN- 72C	Cap CN -210C
Max capacity	72,000capsules/hour	180,000capsules/hour
Suit for capsule size	00#~5#	00#~5#
No. of Mould Bores	9	26
Machine dimensions	1180x1340x1980mm	1386x1156x2100mm
Net weight	1,000kg	2,500kg
Power	380/220V,50/60Hz,6kW	380/220V,50/60Hz,12kW
Noise	<75dB	<75dB
cGMP	\checkmark	\checkmark
PLC control	\checkmark	\checkmark
A Vec A Ontingal		

CapCN-450C Capsule Filler

CacCN-450 CacCN-

Cap**CN**-450C automatic capsule filler processes the products for optimal productivity up to 7500 capsules per minutes, featuring low-maintenance operation, minimal downtime, and overall dependable production.

Powder dosing uses the 5 stage tamping technology for an enhanced accuracy. Filling of pellets is available.

Capsules from the bunker are fed into the orienting device along the vertical guide.

Then they are transferred into special cells on the rotor. Here the capsule is separated, after what the bottom part comes to the filling position.

After filling the bottom part with the material, on next positions the non-separated capsules are rejected, and the filled bottom parts are joined with top parts, counted and taken away into the receiving box. **Features**

CGMP design with emphasis in powder dust handling: Enclosed

main turn table avoid dust getting into mechanical parts.

Automatic control for capsule and powder supply.

PLC control for reliable operation. Touch Screen HMI, featuring user friendly controls: production counter, manual / automatic / parameter setup modes, alarms.

Precision capsule segments and dosing disk minimizes adjustments following parts changeover.

SS 304 stainless steel frames and transparent safety interlock guards.

Model	Cap CN -450C	
Max capacity	450,000capsules/hour	
Suit for capsule size	00#~5#	
No. of Mould Bores	54	
Machine dimensions	1700x1220x2150mm	
Net weight	3,800kg	
Power	380/220V,50/60Hz,13.5kW	
Noise	<75dB	
cGMP	v	
PLC control	 ✓ 	
safety interlock guards	✓	
✓: Yes ●: Optional		



CapCN-72/240 Capsule Filler



Cap**CN**-72/240 automatic capsule filler processes the products for optimal productivity up to 1200/4000 capsules per minutes, featuring low-maintenance operation, minimal downtime, and overall dependable production.

Powder dosing uses the 5 stage tamping technology for an enhanced accuracy. Filling of pellets is available.

Capsules from the bunker are fed into the orienting device along the vertical guide.

Then they are transferred into special cells on the rotor. Here the capsule is separated, after what the bottom part comes to the filling position.

After filling the bottom part with the material, on next positions the non-separated capsules are rejected, and the filled bottom parts are joined with top parts, counted and taken away into the receiving box.

Features

Powder filling system is very high filling accuracy.

The fully enclosed design of the split and capsule feeding system prevents capsules which fall into the capsule transfer chamber inappropriately and ensures smooth operation of the capsule.

The capsule-type injection system effectively protects the filled capsules from breaking by the machine.

And ultra-precision integrated rotary table has a similar small size, light weight load, long life, three years of free oil maintenance and so on.



Model	Cap CN- 72	Cap CN -240
Max capacity	72,000capsules/hour	240,000capsules/hour
Suit for capsule size	00)#~5#
No. of Mould Bores	9	29
Machine dimensions	980x980x2100mm	1950x260x380mm
Net weight	1,000kg	2,800kg
Power	380/220V,50/60Hz,7kW	380/220V,50/60Hz,12kW
Noise	<7	70dB
Powder filling system		
The capsule-type injection system		
Light weight load		
✓ : Yes ●: Optional		

JTJ-V Semi-Auto Capsule Filler

The updated semi-auto capsule filling machine JTJ-V vertical type results in faster production, meeting G.M.P.



requirements, more accurate filling, a safer operation, simple maintenance. It operate without noise and cleaning is simple.

The functions of first station include capsule feeding, aligning and insertion into bores of holding ring. Also, vacuum is used for separating capsule cap and body in first station. After orientation of capsule, capsule cap can stay in upper holding ring and capsule body can stay in lower holding ring.

A special design allows for changing mold for different size capsules within 10 minutes easily, simply, precisely.

Features

All stainless shells, hoppers, machine table.etc... meet G.M.P. requirements.

 Variable speed for filling capsules with independent power and fix point filling that result in accurate dosage.



No paint finish on the machine surface to avoid strip off and contamination.
Simple structure and low malfunction, easy to maintain and clean. Simple operation, only one operator required.

Model	JTJ-V
Capsule Size	000#, 00L#, 00#, 0L#, 0#, 1#, 2#, 3#, 4#
Capacity	10,000 to 15,000 per hour
Electrical Supply	As electrical facilities vary from country to country, please provide your
	specifications at time of order so that the correct motors are supplied with your machine
Vacuum Pump	40m3/h
Compressed Air	0.03m³/min,0.7MPa
Overall	Length: 1140mm
Dimensions	Width: 700mm
	Height: 1630mm
	Weight: 380Kg
Package Size	Length: 1650mm
	Width: 800mm
	Height: 1750mm
	Weight: 500Kg

CapCN-Semi Pro Semi-auto Capsule Filler



This machine adopts programming control system, touch panel operation, stepless frequency conversion speed regulation, pneumatic joint control, and electronic automatic counting device, which can automatically complete the capsule positioning, separation, filling, locking and other actions.

The filling dose is accurate and the operation is convenient. The body and work surface are made of stainless steel, and the product meets the requirements of GMP. It is suitable for capsule filling of powdered and granular medicines.

Features

Use external hexagon screws: more convenient to clean, solves the crosscontamination of materials.

Use oxidized grinding disc: A protective film is added to the surface to enhance the corrosion resistance, surface hardness and wear



The installation of the main power switch can directly cut off all work, without powering off to open the electrical box and then turn off the power.

resistance of the surface layer, prolong the service life of the grinding disc, and

The position of the emergency stop button has been changed, you can reach out and touch it. It's easier to deal with in case of emergency.

The discharge port is designed to be detachable, which solves the problem of difficult cleaning of material residues at the discharge port; a new mold tray rack is installed to make the operation of multiple trays more convenient.

Technical Parameters

is easy to clean.

Model	CapCN-Semi Pro
Output	1-25000 pcs/hour
Applicable capsules	0#, 1#, 2#, 3#, 4#,5#
Total power	4 kw
Vacuum Pump(evacuation rate)	40m3/h
Air pressure	0.03m³/min,0.7MPa
Dimensions(LxWxH)	1140*700*1630mm(L*W*H)
Whole weight	330kg

CapCN-Semi Semi-auto Capsule Filler

Cap**CN**-Semi vertical type results in faster production, meeting G.M.P. requirements, more accurate filling, a safer operation, simple maintenance. It operate without noise and cleaning is simple.

The functions of first station include capsule feeding, aligning and insertion into bores of holding ring. Also, vacuum is used for separating capsule cap and body in first station. After orientation of capsule, capsule cap can stay in upper holding ring and capsule body can stay in lower holding ring.

A special design allows for changing mold for different size capsules within 10 minutes easily, simply, precisely.

Features

All stainless shells, hoppers, machine table.etc... meet G.M.P. requirements.

Variable speed for filling capsules with independent power and fix point filling that result in

accurate dosage.

No paint finish on the machine surface to avoid strip off and contamination.
Simple structure and low malfunction, easy to maintain and clean. Simple

operation, only one operator required.



Technical Parameters

Model	CapCN-Semi
Maximum output	12000-25200/h
Voltage	AC3 ~ 380/ 220 V, 50/ 60Hz (Customizable)
Total power	4KW
Dimension	1130mm*700mm*1600 mm
Weight	400kg
Ambient temperature	21 ± 3° C
Relative humidity	45 - 50%
Vacuum specifications	0.04 – 0.08 Mpa
Air compressor	NLT 5 Kpa
PLC Controller	✓
Horizontal Closing System	✓
Auto Separation System	۲
Durable Capsule Tray	۲
✓: Yes	

- 10 -

CapCN-Semi II Pro Semi- auto Capsule Filler

After CapsulCN accumulated production experiences in manufacturing several thousand sets of Cap**CN**-Semi Capsule Filling machine,

CapsulCN developed the latest Cap**CN**-Semi II Pro can operate more efficiently and smoothly.

Numerous innovative operational and safety features that streamline the production process and provide processing speeds of up to 50,000 capsules per hour.

The capsule filler can handle all capsule sizes from 000 to 5. A special design allows for changing mold for different size capsules within 15 minutes easily, simply, and precisely.

Can fill material in powder, pellet, or granule forms.Tested by CapsulCN laboratory, failure-free in 10,000 hours of operation.

Features

Different powder has a different specific gravity. With an adjustable

dosing disc, there is no need to change dosing discs frequently, saving both time and labor.1 Double loading system, up to 50,000 pcs / hour, close to the output of a fully automatic filling machine CapCN-48C.

10

All capsule trays are hard anodized and the service life is extended by 4 years.

It has an infinite variable speed of filling table with independent power and fixed point filling that results in accurate dosage.

The horizontal closing system is more efficient, safety, and smoothly closes without damaging the capsules;

An independent motor box from the german brand BECKER, improving the durability and quality of the system.

Model	Cap CN-S emi II Pro
Control Panel	Siemens
Suit for capsule size	000#, 00L#, 00#, 0L#, 0#, 1#, 2#, 3#, 4#
Max capacity	30,000~50,000capsules/hour
Compressed Air	40m ³ /h
Machine dimensions	1140x700x1630mm
Net weight	380 kg
PLC Controller	✓
Horizontal Closing System	✓
Auto Separation System	✓
Durable Capsule Tray	✓
Safety Guard	✓
Anodized Table	✓
✓ : Yes ● : Optional	



CapCN-Liquid 16/18 Liquid Capsule Filler



As a market leader in liquid-fill technology, we have taken extra care to ensure proper filling of liquids. The NSF capsule sealing machine seals the cap and the body of the capsule at high speed.

We the world's leading manufacturer of two-piece capsule filling equipment specializing in customized filling solutions. Our high-speed fully-automatic capsule filling machine has attained high reputation domestically and internationally.

Features

Different powder has a different specific gravity.

dosing disc, there is no

With an adjustable need to change dosing discs frequently, saving both time and labor. This filling machine enables the filling of capsules of every dosage form.

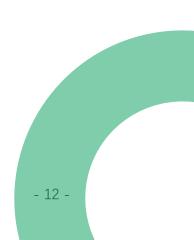
This filler has realized easy cleaning and exchange of size.

This filling machine enables high-precision filling even when only little quantity of raw materials is to be filled.

In addition to isolating contents inside the capsule, capsule banding has several end benefits: 1) Adds mechanical strength to the capsule; 2) Colored seals create brand differentiation; 3) Effectively prevents leakage in liquid-filled capsules; 4) A significant reduction in oxygen diffusion.



Model	CapCN-Liquid 16	CapCN-liquid 18	
Suit for capsule size	00#	~4#	
Filling material	Oily liquid, solution, suspension or paste		
Max capacity	18,000capsules/hour	36,000capsules/hour	
Machine dimensions	1020x860x1970mm	960x1100x1800mm	
Net weight	900kg	1,200kg	
High-precision filling	✓	✓	
Easy cleaning	✓	✓	
Easy to change size	✓	✓	
✓: Yes			



LSV-C100 Capsule Polisher and Sorter

LSV-C100 Capsule Polisher has achieved double functions of capsule polishing and elevating. Inlet of the machine can be connected with any model of capsule filling machine, and outlet with capsule sorter and metal detector, so that to realize the production line of capsule polishing, elevating, sorting and detecting.

Features

10

Double functions of capsule polishing and elevating to leave high flexibility for follow-up equipment line;

360° circle adjustment for inlet and outlet to make production more convenient and save factory room;

Automatically sort less dosage, empty, fractured and cap-body separated capsule;

Fast-joint system to ensure safe and quick disassembly and assembly;

Parts in contact with medicine all made of 316L stainless steel or other material conforms to modern medicine safety standards;



Detachable brush on main shaft can be thoroughly cleaned. No blind spot during whole machine cleaning. Meet cGMP demands.

Model	LSV-C100	
Application	Suitable for polishing, improvement, and faulty capsule rejection of all types	
	of capsules.	
Applicable capsule size	00#, 0#, 1#, 2#, 3#, 4#	
Machine shell	304 stainless steel, with mirror-surface treatment	
Parts in contact with capsules	316L stainless steel, with mirror-surface treatment	
Compressed air flow	0.3 m³/min	
Compressed air pressure	0.3 Mpa	
Vacuum cleaning	3.0 m³/min	
Vacuum cleaning pressure	0.02Mpa	
Working voltage	220V/110V, 50/60Hz	
Input current	About 160mA 110V; about 80mA 220V	
Rated power	200W	
Power cable	1.8m with a plug	
Height & Dimension of inlet	Height: 800mm Dimension: 300*250mm	
Height & Dimension of outlet	Height: 1040mm Dimension: 65*50mm	
Dimension (L*W*H)	500*841*1458mm	
Max. output	600,000 pcs/h	
Weight	80KG	
Ambient temperature	18℃ – 26℃	
Environmental requirements	Dustproof and anticorrosive	

CapCN-Polisher II Pro Capsule Polisher

CapCN-Polisher II Pro Capsule Polisher has achieved double functions of capsule polishing

and elevating. Inlet of the machine can be connected with any model of capsule filling machine, and outlet with capsule sorter and metal detector, so that to realize the production line of capsule polishing, elevating, sorting and detecting.

Features

Different powder has a different specific gravity. With an adjustable dosing disc, there is no need to change dosing discs frequently, saving

both time and labor. Double functions of capsule polishing and elevating to leave high flexibility for follow-up equipment line;

360° circle adjustment for inlet and outlet to make production more convenient and save factory room;

Automatically sort less dosage, empty, fractured and cap-body

separated capsule;

Fast-joint system to ensure safe and quick disassembly and assembly;

Parts in contact with medicine all made of 316L stainless steel or other material conforms to modern



medicine safety standards;

. 3

-

Detachable brush on main shaft can be thoroughly cleaned. No blind spot during whole machine cleaning. Meet cGMP demands.

EE

Technical Parameters

CapCN-Polisher II Pro

5

Model	CapCN-Polisher	CapCN-Polisher Pro	CapCN-Polisher II Pro
Suit for capsule size		00#,0#,1#,2#,3#,4#	
Max capacity	420,000pcs/h	600,000pcs/h	600,000pcs/h
Power	220V 50Hz/110V 60Hz	1PH 220V/110V 50	Hz/60Hz 200W
Compressed air	0.25m ³ /min 0.3MPa	0.3m³/min 0.3MPa	0.3m ³ /min 0.3MPa
Machine dimensions	950x600x1000mm	500x840x1458mm	1229x709x1489mm
Weight	65kg	80kg	
cGMP	✓	✓	✓
Easy Moving	✓	✓	✓
Stepless speed regulation	✓	✓	✓
Sorting System	✓	✓	✓
Easy Cleaning system	✓	✓	~
Elevating System		✓	✓
✓: Yes			

SAYP-700S Digital Metal Separator

The metal separator is mainly used for the detection and separation of metal impurities in gravity feed granular materials in plastic chemical industry as well as other similar industries.

It can detect all magnetic and nonmagnetic metal impurities (e.g.: steel, stainless steel, aluminum, etc.). Even if encapsulated, these metal impurities can still be detected and then separated by the rejecting unit.

Features

• Special structural design can effectively help avoid the interference of external factors such as vibration, noise and product effect.

• With German technology and ultrahigh detection accuracy, it is a metal separator specially designed for medicine and health product industries.

The ejecting unit is made of 316 stainless steel, so it is easy to

 dismantle and clean. It can meet the FDA and USDA certification requirements.
 It can work in conjunction with other

equipment to ensure the normal operation of the production line. The height and tilt angle of the rack can be adjusted manually, which makes it easy to move and clean.

Unique accuracy can detect tiny metal objects in drugs, and the processing speed can reach about 15,000 pcs/min.



Model	SAYP-700S		
Caliber of feeding inlet	Ф35mm		
Detection accuracy	Ф0.3mm		
Capacity	10,000-15,000 pcs/min		
Working voltage	AC220V±10%, 50-60Hz (Customizable AC110V/ AC380V)		
Ambient temperature	-10°C – +80°C		
Discharge time	0.3~5s (Adjustable)		
Compressed air	4~7 Bar		



➡ info@capsulcn.com

2 0086-577-65155520 0086-15967727111

♀ No.51 Kaifa 1st Rd, Ruian, Zhejiang, China 325200

www.capsulcn.com www.ipharmachine.com www.huadapharma.com