

Product Data

# SofCN Softgel Encapsulation Machine

HUADA Pharma international Co., Ltd



**HUADA**  
Pharma





## **SofCN Softgel Encapsulation Machine**

Product Data

# Contents

---

---

Sof <b>CN</b> -60	Softgel Encapsulation Machine
Sof <b>CN</b> -100	Softgel Encapsulation Machine
Sof <b>CN</b> -180-200-250	Softgel Encapsulation Machine

# SofCN-60 Softgel Encapsulation Machine

SofCN-60 Teaching& RD Model Softgel Encapsulation Machine is the new model machine designed combining the technology and characteristics of production in accordance with the GMP and the Teaching& RD requirements. The entire equipment is in optimized design and compact structure. All of the power adopted is AC220V power supply, which is easy to operate. It is mainly used in the development and teaching experiment of softgel products in laboratories, pharmaceutical research institutes and college, fully realize the Production Simulation of softgel production technology to provide authentic and reliable technological parameters for batch production of softgel and train professional softgel technical talents.

## Features

- Design according to softgel production processing technology with completed function.
- Compact structure and the whole equipment covers an area only 0.6 m<sup>2</sup>.
- The whole set of equipment can be moved easily and applicable to any laboratory or classroom.

## Technical Parameters

Model	SofCN-60
Die roller Dimension	Φ64x60mm
Die roller Speed	0-4rpm Stepless Speed Adjust
Material Feeding Quantity	4x(0~1.5)mL
Power	AC220V 50Hz 1.5kW
Weight	~160kg
External Size	670x450x750mm
cGMP	✓
Easy to operate	✓
CE	✓
ISO9001	✓

✓: Yes    Ⓞ: Optional

# SofCN-100 Softgel Encapsulation Machine

SofCN-100 Softgel Encapsulation Machine is designed combining the technology and characteristics of softgel production in accordance with the GMP requirements. The entire equipment is in optimized design. The power source adopted is AC220V and operation is simple and easy. The equipment is applicable to small batch production and trial manufacture of soft capsules for labs and scientific research institutes.

It has been identified as "The independent innovation products of Beijing

## Features

- Design according to softgel production processing technology with completed function.
- Compact structure and the whole equipment covers an area only 1 m<sup>2</sup>.
- The whole set of equipment can be moved easily and applicable to any laboratory.

## Technical Parameters

Model	SofCN-100
Die roller Dimension	Φ64x100mm
Die roller Speed	0-4rpm Stepless Speed Adjust
Material Feeding Quantity	6x(0~1.5)mL
Power	AC220V 50Hz 1.5kW
Weight	~400kg
External Size	620×660×1350mm
cGMP	✓
Easy cleaning	✓
Longer service life	✓
CE	✓
ISO9001	✓

✓: Yes    Ⓞ: Optional

# SofCN-180-200-250 Softgel Encapsulation Machine



SofCN-180/200/250 series softgel production line is the essence condensing of decades professional experience on softgel. During the development process, the designer personally conducted long-term production investigation and research in the softgel production base, combined the characteristics of various types of softgel machines, absorbed rationalization suggestions from operators and verifying by improved experiments, adopted international advanced control technology, elaborate designed and precisely manufactured in the spirit of people-oriented. It is a stable and reliable production line for producing high quality softgel. At the same time, the 3rd Generation softgel encapsulation machine development platform HSRDP30 was established during the process of development.

SofCN-180/200/250 series softgel production line is mass production equipment and suitable for customers with different capacity requirements. The equipment has compact structure, easy operation, simple maintenance, stable performance, high production and low consumption. It is suitable for food, pharmaceutical, cosmetics, paintball and chemical industry.

HSR Series Softgel Encapsulation Machine was identified as "Independent Innovative Products of Beijing"

## Features

- Developed from the 3rd Generation Softgel Encapsulation Machine Development Platform HSRDP3.0.
- New modular and standardized design: structure simple and stable, the spindle runs more stable.
- Main machine drive system: No liquid lubricant required.
- Materials supplying pump system:
  - Specially design for the extracts suspension sticky filling materials, wide range of applicable filling materials.
- Injection Wedge temperature control: Double PID control to ensure rapid response and precise control of injection wedge temperature.
- Gelatin film transmission: Full-range autonomous drive into the die roller, no sliding pull, no film deformation and perfect capsules shape.
- Gelatin film linear conveying, no need to adjust, production stable.
- Control type: Each system independent control, coordinated accordingly, easy to adjust.
- Die roller Pressure type: Pneumatic constant voltage, digital display, stable and convenient.
- Die roller adjustment: Free line aligning design, simplified operation to prevent operator's error.
- Injection wedge lifting type: Electric self-locking, safe and reliable.
- Material supply pump: Free adjust design, easy install, prevent operator's error, design of all rolling bearings to prolong service life.
- Material supply pump direction guidance: spherical guide(numerical control machine tool technology)
- Main machine noise control: Low noise design, no noise increase when highest or lowest speed operation, improve the working conditions.
- Main machine lubrication: Non-liquid lubrication, all lubricated with grease, no maintenance and oil change required.
- Gelatin film lubrication:
  - Quantitative Micro-lubrication, visual adjustable, Lubricating oil quantity<4L/24h, almost none oil capsule encapsulation, low production cost and keep working condition clean.
- Adopts non-oil or micro-oil lubrication, the water of capsule shell easy to evaporate, drying time is greatly

shortened.

- Free solvent cleaning: the soft capsules no need to clean by alcohol or ether, to avoid the damage of solvents to capsules( the printed capsules excepted).
- Gelatin film control: Precise film thickness adjustment, independent film spreading control, suitable to various gelatin solution and moulds, reaches the max.using rate of gelatin solution.
- Gelatin film cooling type: Auto-control water cooling, air blow balance, equipped with machine.
- Capsule fast shape fixing: Special air blow device, reduce the temperature of capsule output area, easy for the capsule shape fixing.
- Temperature control hopper: PID precise temperature control, auto liquid level control, suitable to various materials' requirements(optional equipped).
- Humanized design, easy to operate:
  - a) Die roller and die roller shaft matching design to prevent the damage during the die roller handling.
  - b) Special Injection wedge installation device, prevent the damage of the injection wedge during the handing and reduce the working strength of the operators.
  - c) Simplified design for all the maintenance parts, easy and fast for maintenance.
- Professional industrial aesthetic design makes the whole machine beautiful and generous, concise and clear.

## Technical Parameters

Model	SofCN-180	SofCN-200	SofCN-250
<i>Die roller Dimension</i>	Φ103x180mm	Φ103x200mm	Φ150x250mm
<i>Die roller Pressure</i>	0.1-0.5MPa		
<i>Die roller Speed</i>	0-6rpm Stepless Speed Adjust		0-5rpm Stepless Speed Adjustment
<i>Material Feeding Quantity</i>	12x(0-2)mL		20x(0-1)mL
<i>Filling Quantity Precision</i>	<500mg±2%, >500mg±1%		
<i>Power</i>	AC380V 50Hz 7kW		AC380V 50Hz 9kW
<i>Weight</i>	1200kg	1250kg	1500kg
<i>External Size</i>	1680×750×1800mm	1680×770×1800mm	1880×1000×2000mm
<i>cGMP</i>	✓	✓	✓
<i>PLC control</i>	✓	✓	✓
<i>CE</i>	✓	✓	✓
<i>ISO9001</i>	✓	✓	✓

✓: Yes ☉: Optional



**HUADA**  
Pharma

✉ [info@capsulcn.com](mailto:info@capsulcn.com)

☎ 0086-577-65155520 0086-15967727111

📍 No.51 Kaifa 1<sup>st</sup> Rd, Ruian, Zhejiang, China 325200

🌐 [www.capsulcn.com](http://www.capsulcn.com) [www.ipharmachine.com](http://www.ipharmachine.com) [www.huadapharma.com](http://www.huadapharma.com)