Automatic Capsule Filling Machine NJP models

As a leading machine manufacturer in China, Anxine offers a wide range of fully automatic capsule makers. They can automate the whole process from powder filling to capsule sealing without human effort. These automatic models also work well with capsule sizes including 000#, 00#, 0#, 1#, 2#, 3#, 4#, and 5#. They support various capsule types like gelatin and vegetarian capsules. Besides, the highest efficiency and the largest output are their great benefits, ideal for large factories and production in industries like pharma and supplements.

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Automatic Capsule Filling Machine NJP-400C

The NJP-400C is a fully automatic hard capsule filler designed for reliable and efficient capsule production. It can fill up to 400 capsules per minute and supports capsule sizes from 0# to 4#. The machine uses a closed rotary turret, which keeps the filling area clean and makes maintenance easier. It combines mechanical, electrical, and pneumatic systems to ensure smooth and stable performance.

It is simple to change capsule sizes, thanks to its quick-change mold design. Operators can replace parts without fully disassembling the machine. The machine also includes a powder level sensor to control the filling amount accurately for each capsule.

With its compact size, stable output, and modern control systems, the NJP-400C is suitable for small to medium-sized pharmaceutical factories. It is an ideal choice for companies looking to improve capsule production with less manual work and higher precision.

Features

- ✓ **High output.** It fills up to 400 capsules per minute for efficient production.
- ✓ **Advanced control.** Its upgraded electrical and vacuum systems improve reliability.
- ✓ **Lower maintenance.** The bottom cam design reduces friction and extends part life.
- ✓ **Vacuum separation.** It separates the capsule cap and body and removes defective capsules.
- ✓ **Dust removal system.** The strong suction keeps the machine clean during operation.
- ✓ **Easy mold change.** Users can quickly switch parts to match different capsule sizes.
- ✓ **Sensor-controlled powder level.** A sensor adjusts powder levels to ensure the right dose.

Technical Parameters

Model	NJP-400C
Maximum Output	24,000 capsules per hour
Electrical Supply	AC3 ~ 380/220 V, 50/60 Hz (customizable)
Total Power	3.7 kW
Vacuum	0.04 ~ 0.08 MPa
Compressed Air	NLT 5 kPa
Ambient Temperature	21 ± 3℃
Relative Humidity	45-50%
Overall Dimensions	Length: 750mm
	Width: 700mm
	Height: 1,700mm
	Weight: 700kg

Automatic Capsule Filling Machine NJP-800C

The NJP-800C is a reliable machine that fills empty capsules with medicine powder, tiny pellets, or granules. It finishes the whole production process by itself. This capsule filler picks up empty capsules, opens and fills them with the right amount of powder. Then it closes the capsules perfectly. This model works fast, filling up to 48,000 capsules every hour.

The NJP-800C accomplishes the work with 10 specialized stations, each with a distinct function, such as sorting, filling, and error checking. It even has a vacuum cleaner to keep everything tidy. The machine is safe too, with locked doors and sensors to stop if something goes wrong.

Features

- ✓ **Precise dosing**. It measures powder perfectly, so every capsule has the right amount of medicine.
- ✓ **Easy adjustments.** You can change settings for different capsule sizes and powder types without tools. It saves much time and energy.
- ✓ **Quiet operation.** The machine runs smoothly with low noise with a smart design.
- ✓ **Strong vacuum system.** It can gently separate capsule caps and bodies without breaking them.
- ✓ **Smart alarms.** It beeps or stops if something's wrong, like running out of powder.
- ✓ **Long-lasting and easy to clean.** This automatic capsule filler is made with tough metal and grease to keep it running for years. The design also makes the clean and maintenance easier.

Technical Parameters

Model	NJP-800C
Maximum Output	48,000 capsules per hour
Capsule size range	00#, 0#, 1#, 2#, 3#, 4#
Electrical Supply	AC3 ~ 380/220 V, 50/60 Hz (customizable)
Total Power	5 kW
Vacuum	0.04 ~ 0.08 MPa
Compressed Air	NLT 5 kPa
Ambient Temperature	21 ± 3℃
Relative Humidity	45-50%
Overall Dimensions	Length: 1,080mm Width: 1,240mm Height: 1,950mm Weight: 850kg

Automatic Capsule Filling Machine NJP-1200C

The NJP-1200C capsule filling machine is applied to large-scale pharmaceutical production. It fills up to 1,200 capsules per minute with high accuracy. Its 5-stage tamping system ensures precise and consistent powder filling. A smart touchscreen makes operation simple. In addition, the real-time monitoring and automatic fault alerts reduce errors. The machine uses modular parts, so it is easy to switch between capsule sizes (00# to 5#) or different filling materials. With built-in vacuum and self-cleaning systems, it runs smoothly with less downtime. Strong and high-quality parts make it reliable for 24-hour production.

Features

- ✓ **Industry-leading speed.** The NJP-1200C fills 1,200 capsules per minute, making it one of the fastest machines in its class for large-scale production.
- ✓ **Smart touchscreen control.** An intuitive HMI interface displays real-time output, fault alerts, and maintenance prompts to streamline operations.
- ✓ **Self-diagnostic safety features.** The fully automatic model integrates sensors that detect blockages, misaligned capsules, and low powder levels. It can automatically pause production if issues arise.
- ✓ **Hygienic and low-maintenance design.** Sealed stainless-steel components and automated cleaning functions reduce contamination risks and downtime.
- ✓ **Energy-efficient operation.** Optimized motors and reducers consume just 5.75 kW while maintaining low noise (<75 dB) for workplace comfort.

Technical Parameters

Model	NJP-1200C
Maximum Output	72,000 capsules per hour
Capsule size range	00#, 0#, 1#, 2#, 3#, 4#
Electrical Supply	AC3 ~ 380 V, 50 Hz (customizable)
Total Power	7.5 kW
Vacuum	0.04 ~ 0.08 MPa
Compressed Air	300m3/h 2×105 MPa
Ambient Temperature	21 ± 3℃
Relative Humidity	45-50%
Overall Dimensions	Length: 1,180mm Width: 1,340mm Height: 2,100mm

Automatic Capsule Filling Machine NJP-1200D

The NJP-1200D is a high-speed automatic capsule filling machine designed for hard gelatin capsules. It can handle complex filling tasks, like filling powders, pellets, or both in a single capsule. Its modular structure allows quick cleaning and changeover. The touchscreen interface makes operation simple, and the machine fits well in GMP-compliant environments with limited space.

This machine fills up to 1,200 capsules per minute and supports sizes from 000 to 5. It also includes special capsules like SUPRO and DB Caps. The five-stage tamping system ensures precise powder dosing, while an optional station allows pellet filling. smart capsule rejection and error alarms help ensure smooth and clean operation.

Features

- ✓ **Wide capsule compatibility.** It works with capsule sizes 000 to 5 and processes special capsules like SUPRO and DB Caps.
- ✓ **Precise powder dosing.** The five-stage tamping system creates uniform and compact powder slugs for accurate filling.
- ✓ **Modular design.** Its modular structure makes cleaning and changing parts fast and simple.
- ✓ **Easy control.** A touchscreen interface offers clear menu navigation and real-time production monitoring.
- ✓ **Integrated vacuum separation.** Capsules are gently separated with minimal damage.
- ✓ **Built-in cleaning station.** Upper and lower capsule segments are cleaned during production with vacuum and air.

Technical Parameters

Model	NJP-1200D
Maximum Output	72,000 capsules per hour
Capsule size range	00#, 0#, 1#, 2#, 3#, 4#
Electrical Supply	AC3 ~ 380 V, 50 Hz (customizable)
Total Power	7 kW
Vacuum	0.04 ~ 0.08 MPa
Compressed Air	NLT 5 kPa
Ambient Temperature	21 ± 3℃
Relative Humidity	45-50%
Overall Dimensions	Length: 980mm Width: 980mm Height: 2,100mm Weight: 1,200kg

Automatic Capsule Filling Machine NJP-2000C

As a high-output automatic capsule filler, the NJP-2000C fills up to 150,000 capsules per hour. It works with capsule sizes 00# to 4#. This machine fills powders, granules, and pellets into different types of capsules. It supports stable operation, automatic capsule rejection, and easy cleaning without removing molds. This automatic filling model is for large-scale pharmaceutical production, offering quality and efficiency for capsule packaging.

Features

- ✓ **Fast output speed.** The machine fills up to 120,000–150,000 capsules per hour, suitable for high-volume production.
- ✓ **Supports various materials.** It can fill powders, granules, and pellets, offering flexibility for different formulas and doses.
- ✓ **Wide capsule size range.** It handles capsule sizes from 00# to 4#, including standard gelatin capsules.
- ✓ **Easy mold alignment and cleaning.** The enclosed station structure allows cleaning without removing the molds.
- ✓ **Accurate powder dosing.** A 5-stage tamping system and adjustable powder level sensor help deliver consistent fill weights.
- ✓ **Vacuum capsule separation.** The cap and body of capsules are separated gently with a liquid-ring vacuum system.

Technical Parameters

Model	NJP-2000C
Maximum Output	120,000 capsules per hour
Capsule size range	00#, 0#, 1#, 2#, 3#, 4#
Electrical Supply	AC3 ~ 380/220 V, 50/60 Hz (customizable)
Total Power	9 kW
Vacuum	0.04 ~ 0.08 MPa
Compressed Air	NLT 5 kPa
Ambient Temperature	21 ± 3℃
Relative Humidity	45-50%
Overall Dimensions	Length: 1,180mm Width: 1,340mm Height: 2,100mm Weight: 1,200kg

Automatic Capsule Filling Machine NJP-3500C

The NJP-3500C is an automatic capsule filling machine with high speed and accuracy. It helps you produce more in less time. This filling equipment can fill up to 3,500 capsules per minute efficiently. The whole process is clean and sealed, so there's no powder flying around. It will also cause no mess and no cross-contamination. If you want high output with low effort, this machine is a good choice for your pharma business.

This machine handles a wide range of capsule sizes from 00# to 5# and different types. It is compatible with standard gelatin, HPMC, and special safety capsules like locking or tamper-proof types. For special types, please test before use. The machine works with powder, pellets, or a mix of both. It is always used in supplement brands, pharmaceutical factories, and contract manufacturers. It is fast and simple to change capsule sizes, so you can run different products on the same day.

Features

✓ **Stable and quiet operation**. Powered by a high-performance German Nord motor, the NJP-700 Ultra runs smoothly with low noise levels. It offers a stable and pleasant working environment.

✓ **Precision cam system.** Equipped with a Taiwan Te-shin cam splitter, the machine achieves accurate indexing and reliable motion. It makes sure every capsule is processed with precision.

✓ **Durable electrical components.** The use of internationally recognized electrical parts extends machine lifespan. It also reduces breakdowns and ensures reliable long-term operation.

✓ **Advanced control system.** The machine includes a German SIEMENS control system, a PLC, and stepless inverter speed control. It provides smooth and safe performance across varying production demands.

✓ **Hygienic and energy efficient**. Its monolithic platen design prevents powder leakage, keeping the work area clean.

Technical Parameters

Model	NJP-3500C
Maximum Output	210,000 capsules per hour
Capsule size range	00#-5# and safety capsule
Electrical Supply	380/220V,50/60Hz
Total Power	12 kW
Vacuum	-0.02 ~ 0.06 MPa
Ambient Temperature	21 ± 3℃
Relative Humidity	40-55%
Overall Dimensions	Length: 1,380mm
	Width: 1,156mm
	Height: 2,100mm
	Weight: 2,500kg

Automatic Capsule Filling Machine NJP-4000D

The NJP-4000D is a fully automatic capsule filling machine. It is used for large-scale pharmaceutical and supplement production, ideal for both powder and pellet filling. The machine handles a wide range of capsule sizes (from 00# to 5#) with consistent dosing precision. Its production is up to 4,000 capsules per minute.

The NJP-4000D completes capsule separation, filling, tamping, and ejection smoothly and efficiently. It helps maintain accuracy, reduce product loss, and support long-term stable operation. All processes comply with GMP standards to support strict quality control in capsule production. If you require customization, tell us your requirements in detail and our professional team try best to meet your needs.

Features

- ✓ **Flexible adjustments.** Dosing levels and machine parameters can be easily tuned to optimize filling efficiency for different products.
- ✓ **High-precision filling.** The machine is equipped with a 5-stage tamping system for accurate powder dosing and pellet filling support.
- ✓ **Modular Integration.** It easily connects with polishing, sorting, or counting machines for a full capsule production line.
- ✓ **User-friendly operation.** Simplified interface and low-cost maintenance make operation easy, even for new users.
- ✓ **Hopper level monitoring.** Integrated sensors automatically detect powder levels to maintain consistent flow and filling.
- ✓ **Capsule protection.** Smooth transport and handling system protects capsules from cracking or deformation.

Technical Parameters

Model	NJP-4000D
Maximum Output	240,000 capsules per hour
Capsule size range	00#-5# and safety capsule
Electrical Supply	380/220V,50/60Hz
Total Power	12 kW
Vacuum	-0.02 ~ 0.06 MPa
Noise	<70dB
Ambient Temperature	21 ± 3℃
Relative Humidity	40-55%
Overall Dimensions	Length: 1,950mm Width: 1,260mm Height: 2,380mm Weight: 2,800kg

Automatic Capsule Filling Machine NJP-7500C

The NJP-7500C is a high-speed automatic capsule filling machine designed for hard gelatin or HPMC capsules. It handles capsule separation, powder dosing, and capsule closing all in one continuous process. With a maximum output of 7,500 capsules per minute, it's one of the fastest options on the market. This model supports capsule sizes from 00# to 5#, and works well with powders, granules, or pellets. Whether you're producing pharmaceuticals, dietary supplements, or functional foods, the NJP-7500C helps ensure precise filling and consistent quality.

The NJP-7500C focuses on large-scale capsule production with stable output. Its compact design fits well in cleanrooms, while the fully enclosed structure keeps operations hygienic and safe. The machine also meets GMP standards, making it suitable for regulated markets. For companies seeking a balance of speed, quality, and reliability in capsule filling, the NJP-7500C is a smart investment.

Features

✓ **Accurate multi-stage dosing.** The five-stage tamping system ensures consistent fill weights and reduces product waste.

✓ **Reliable vacuum separation.** It's built-in vacuum system gently separates capsule caps and bodies, improving accuracy and reducing the risk of capsule damage.

✓ **Defective capsule removal.** The machine detects and removes capsules that are not filled or closed properly.

✓ **User-friendly touch screen.** A smart control panel allows operators to set parameters, view system status, and switch between manual and automatic modes with ease.

✓ **Low maintenance requirements.** With durable parts and easy-access components, the NJP-7500C minimizes cleaning and maintenance time.

Technical Parameters

Model	NJP-7500C
Maximum Output	450,000 capsules per hour
Electrical Supply	380V/50Hz, three-phase five-wire
Total Power	13.5 kW
Vacuum	0.04 ~ 0.08 MPa
Noise	<75dB
Ambient Temperature	21 ± 3℃
Relative Humidity	45-50%
Overall Dimensions	Length: 1,700mm Width: 1,220mm Height: 2,150mm Weight: 3,800kg

Automatic Capsule Filling Machine NJP-700 Ultra

As a fully automatic capsule filling machine, the NJP-700 Ultra is built for speed, flexibility, and convenience. Capable of producing up to 42,000 capsules per hour, it handles powders, pellets, and mixtures with ease.

The NJP-700 Ultra offers fast mold changeovers and easy cleaning to minimize downtime. Whether you're in the pharmaceutical, healthcare, or food industry, this machine provides a smart, efficient solution for accurate and reliable capsule filling. Its compact design and user-friendly operation make it an excellent choice for companies that require high performance.

Features

✓ **Stable and quiet operation**. Powered by a high-performance German Nord motor, the NJP-700 Ultra runs smoothly with low noise levels. It offers a stable and pleasant working environment.

✓ **Precision cam system.** Equipped with a Taiwan Te-shin cam splitter, the machine achieves accurate indexing and reliable motion. It makes sure every capsule is processed with precision.

✓ **Durable electrical components.** The use of internationally recognized electrical parts extends machine lifespan. It also reduces breakdowns and ensures reliable long-term operation.

✓ **Advanced control system.** The machine includes a German SIEMENS control system, a PLC, and stepless inverter speed control. It provides smooth and safe performance across varying production demands.

✓ **Hygienic and energy efficient**. Its monolithic platen design prevents powder leakage, keeping the work area clean.

Technical Parameters

Model	NJP-700 Ultra
Maximum Output	420,000 capsules per hour
Electrical Supply	380V/50Hz, three-phase five-wire
Total Power	3kW
Suit for capsule size	00#-5#
No.of segment bores	5
Overall Dimensions	Length: 951mm Width: 1,551mm Height: 2,155mm

Automatic Capsule Filling Machine NJP-703 OEB 4 Ultra

The NJP-703 OEB 4 Ultra is an advanced automatic capsule filling machine. It is designed for high-containment production of potent drugs. It also strictly meets OEB 4 safety standards. It offers precise dosing with a high-precision metering disc. The machine fully automates capsule sorting, filling, and closing. It supports capsule sizes from 00# to 5# and fills up to 42,000 capsules per hour.

This machine is ideal for small-batch production, clinical trials, and R&D applications.

The NJP-703 OEB 4 Ultra is built with top-quality components, including a German Siemens control system. It runs efficiently, saves energy, and supports smooth operation. The machine meets both cGMP and FDA standards, making it a reliable and safe choice for capsule production.

Features

- ✓ **High containment protection.** It provides operator safety up to OEB 4 levels (1.0–10.0 μg/m³), ensuring safe handling of highly potent products.
- ✓ **Washable & sealed design.** The machine features a fully sealed machine table with tabletop construction and air-purge seals. It optimizes water use, and keeps dust and water out during cleaning.
- ✓ **Accurate dosing.** It uses a high-precision metering disc and filling rod system for reliable and consistent capsule filling.
- ✓ **Energy-saving performance.** It runs on low-consumption motors to reduce energy use with good performance.
- ✓ **Advanced control system.** It includes a German Siemens control system with inverter drives, stepless speed control, and a PLC interface for smooth, safe, and flexible operation.

Technical Parameters

Model	NJP-703 OEB 4 Ultra
Maximum Output	420,000 capsules per hour
Electrical Supply	380V/50Hz, three-phase five-wire
Total Power	3kW
Suit for capsule size	00#-5#
No.of segment bores	5
Overall Dimensions	Length: 951mm Width: 1,551mm Height: 2,155mm

Automatic Capsule Filling Machine NJP-3000 Ultra

The NJP-3000 Ultra is a fully automatic capsule filler used for high-speed and high-precision production. It can fill hard-shell capsules of various standard sizes. This makes it suitable for a wide range of production needs in the pharma, supplement, and nutrient industries. Its modular structure supports different filling configurations, including powders and micro-pellets. This flexibility makes it ideal for a variety of capsule formulations and production requirements.

In terms of safety, the NJP-3000 Ultra meets the EU Machinery Directive and other relevant standards like GMP. This ensures that the machine is safe to operate and meets international health and safety regulations. The overall design of the machine also helps reduce energy consumption. It improves production efficiency while lowering operating costs. This model is a smart choice for modern pharmaceutical manufacturers.

Features

- ✓ **High output.** The NJP-3000 Ultra can produce up to 176,400 capsules per hour. So it is ideal for high-volume pharmaceutical and supplement manufacturing.
- ✓ **Wide capsule size support.** It is compatible with capsule sizes from 00# to 5# and features 21 segment bores for efficient multi-size production.
- ✓ **Advanced international design.** The machine uses a high-precision metering disc filling rod to ensure accurate dosing and clean operation.
- ✓ **Fully automated process.** From capsule sorting and separation to filling and internal cleaning, all steps are automated to reduce manual work and improve efficiency.
- ✓ **High-quality materials.** Its work surfaces are made from strong aluminum alloy. This offers better wear resistance and long-term structural stability.

Specifications

Model	NJP-3000 Ultra
Maximum Output	176,400 capsules per hour
Suit for capsule size	00#-5#
No.of segment bores	21
Electrical Supply	380V/50Hz, three-phase five-wire
Total Power	10kW
Overall Dimensions	Length: 2,020mm Width: 1,276mm Height: 2,343mm

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