



Semi-Automatic Capsule Filling Machine JTJ Series

JTJ Series capsule fillers are easy to operate and clean. They combine accurate filling and great efficiency with some manual effort. These encapsulators are suitable for size 00 to 5 capsules, whether made of gelatin or plant-based materials. They are mainly applied in the pharma and supplement industries.

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Semi-Automatic Capsule Filling Machine

JTJ-V Pro+



The JTJ-V Pro+ is designed for small to medium batch production. It fills powder or tiny granules into different types of capsules. The equipment handles capsule sizes from 00# to 4# and fills up to 42,000 capsules per hour. It features PLC control, variable speed motors, and an easy-to-clean design. This capsule filler suits pharmaceutical, health supplement, and lab-scale production.

Features

✓ **Flexible capsule handling system.** Three-stage capsule processing is involved, including loading, orienting, and separation. The machine uses a vacuum

suction to ensure accurate capsule body-cap separation. In addition, the automatic stop function is activated once the mold plate is full.

✓ **Precise filling mechanism.** This semi-automatic capsule filler is equipped with a screw-driven hopper for precise powder dosing. The filling speed could be adjusted for the turntable and hopper motor.

✓ **Smart control system.** The machine is controlled via Siemens PLC and touchscreen. It also features a servo motor and three frequency converters for operation.

✓ **Flexible power configuration.** It is available in single or three-phase with multiple voltage options, equipped with ground protection and safe circuit control



Technical Parameters

Model	JTJ-V Pro+
Control Panel	Siemens
Capsule Size	000#, 00L#, 00#, 0L#, 0#, 1#, 2#, 3#, 4#
Capacity	30,000 to 50,000 per hour
Electrical Supply	AC-3P 110V/220V 50Hz/60Hz
Vacuum Pump	40 m ³ /h
Compressed Air	0.03m ³ /min, 0.7MPa
Overall Dimensions	Length: 1,140mm
	Width: 700mm
	Height: 1,630mm
	Weight: 380kg

Semi-Automatic Capsule Filling Machine

JTJ-V Pro 5



The JTJ-V Pro 5 semi-automatic drawer-type capsule filling machine is designed for small to medium batch production, filling powders or fine granules into different types of capsules. It can handle capsule sizes from 00# to 4#, with a filling capacity of up to 42,000 capsules per hour (depending on operator skill and capsule type). It features PLC control, a variable speed motor, and an easy-to-clean design. This capsule filling machine is suitable for pharmaceutical, health supplement, and laboratory-scale production.

Features

✓ Wide Application

Range: Suitable for filling powder and granular materials, compatible with

multiple capsule sizes including 00, 0, 1, 2, 3 and 4.

✓ **High Production Efficiency:** Equipped with a frequency conversion speed regulation mechanism and matched with a double capsule feeding mechanism, which enables faster capsule feeding and higher output. The maximum output can reach 42,000 capsules per hour (depending on operator proficiency and capsule model).

✓ **Mature and Stable Structure:** Integrates capsule feeding, turning, separating, material filling, locking, pneumatic and electrical control systems, combined with vacuum pump and air pump accessories, ensuring stable and reliable operation.

✓ **Reliable Safety Design:** Adopts a two-hand confirmation safety device to ensure safer operation and reduce the risk of misoperation.

✓ **Convenient and Comfortable to Use:** Drawer-type structure with ergonomic workflow, making operation more smooth and labor-saving.

✓ **Easy to Clean and Maintain:** Full stainless steel operation table with a tabletop cleaning port, complying with hygiene standards and facilitating daily cleaning.



Technical Parameters

Model	JTJ-V Pro 5
Output	Up to 42,000 capsules per hour
Capsule Size	00#, 0#, 1#, 2#, 3#, 4#
Filling Materials	Powder and tiny granules without viscosity and water
Total Power	3.2 kW
Compressed Air	0.03m ³ /min, 0.7MPa
Vacuum Pump	40 m ³ /h
Machine Dimension(L*W*H)	1130 mm*700 mm*1600 mm
Packing Size	1650 mm*720 mm*1800 mm

Semi-Automatic Capsule Filling Machine

JTJ-B



The JTJ-B semi-automatic capsule filling machine is a smart and reliable choice for pharmaceutical and nutrient companies. It helps make capsule filling faster and more accurate while meeting GMP requirements. This machine can fill up to 7,000 capsules per hour and works with different types of products.

It is easy to use, with a touchscreen that lets users adjust settings quickly. It also supports changing molds fast, which helps save time during production.

The machine is made of strong stainless steel. This is easy to clean and maintain. It also includes many safety features to protect workers during operation.



Features

- ✓ **Fast and precise filling.** The machine can fill up to 7,000 capsules per hour with high accuracy, boosting productivity with less waste.
- ✓ **Quick mold change.** It supports many capsule sizes. The mold can be changed in just 10 minutes to keep your production running smoothly.
- ✓ **Smart control system.** The PLC control panel allows you to set and adjust filling parameters easily. The filling system uses an auger to ensure the right amount of powder goes into each capsule.
- ✓ **Reliable capsule handling.** A special tray separates the capsule caps and bodies correctly. The pneumatic system supports smooth filling, and U-shaped pins lock the capsules tightly and safely.
- ✓ **Meets GMP standards.** All parts in contact with capsules and powder are made of stainless steel, making it safe, durable, and compliant with pharmaceutical standards.

Specifications

Model	JTJ-B
Capsule Size	000#, 00L#, 00#, 0L#, 0#, 1#, 2#, 3#, 4#
Capacity	Approx. 7,000 capsules/hour
Electrical Supply	AC-3P 110V/220V 50Hz/60Hz
Vacuum Pump	40 m ³ /h
Compressed Air	0.03m ³ /min, 0.7MPa
Overall Dimensions	Length: 1,140mm
	Width: 700mm
	Height: 1,630mm

Semi-Automatic Capsule Filling Machine

JTJ-V



The JTJ-V model produces up to 25,000 capsules per hour. It supports capsule sizes ranging from 00# to 4#, making it suitable for filling powders, pellets, and granules. The machine uses a vacuum system to separate capsule bodies and caps. Then it fills and locks them in place with a mold-based mechanism.

JTJ-V is designed with a clear separation of upper and lower parts for easier operation. It features adjustable speed control, stable capsule loading, precise powder filling, and reliable locking. It is ideal for small to medium-scale pharmaceutical or supplement production.



Features

- ✓ **Adjustable speed.** Operators can change the speed with a frequency converter to match different materials or production speeds.
- ✓ **Efficient capsule separation.** A vacuum system separates the capsule body and cap correctly, helping reduce errors.
- ✓ **Simple maintenance.** The machine is easy to clean and maintain. It saves much time and effort.
- ✓ **User-friendly operation.** Operators can follow clear steps for loading, filling, and locking capsules without complex training.
- ✓ **Customizable voltage options.** The machine supports different power supply types, so users in various regions can use it easily.

Technical Parameters

Model	JTJ-V
Control Panel	Siemens
Capsule Size	000#, 00L#, 00#, 0L#, 0#, 1#, 2#, 3#, 4#
Capacity	10,000 to 15,000 capsules per hour
Electrical Supply	Customizable per country specifications
Vacuum Pump	40 m ³ /h
Compressed Air	0.03m ³ /min, 0.7MPa
Overall Dimensions	Length: 1,140mm
	Width: 700mm
	Height: 1,630mm
	Weight: 380kg

Semi-Automatic Liquid Capsule Filling Machine JTJ-L



For liquid capsule filling, the JTJ-L is a smart pick. This tough semi-automatic machine helps pharma and specialty makers accurately fill hard capsules (gelatin or HPMC) with liquids, oils, or even thick pastes. Unlike full-auto machines, the JTJ-L offers the best of both: human control combined with machine accuracy. This makes it perfect for R&D projects, clinical trial samples, or medium-sized batches where flexibility matters and you want to avoid waste. It's easy to use and quick to switch between products. Plus, it meets high hygiene standards, ensuring consistent doses and top-quality capsules every single time.



Features

- ✓ **Boosted Accuracy & Efficiency:** Don't worry about the problems that come from filling by hand. It uses mechanical methods to greatly improve how accurately and efficiently you can fill liquids.
- ✓ **Precise Dosing:** A smart suction pump works with a precise control valve system to make sure that every liquid dose is exactly right.
- ✓ **Smooth, Continuous Flow:** The smart driving motor and turntable design allow liquid to flow seamlessly and efficiently into capsules without interruptions.
- ✓ **Simple Maintenance:** We provide detailed cleaning and maintenance guides, making it easy to keep your machine running stably and reliably for years to come.
- ✓ **Built for Safety:** It uses a 380V50Hz three-phase, four-wire power supply, so safety is very important. We always emphasize proper grounding protection to ensure your team's safety.
- ✓ **User-Centric Design:** Every step, from pouring in capsules to collecting the finished product, is designed to be easy and smooth.
- ✓ **Easy Care:** Key parts of the machine, like capsule delivery, turning and separation, and the filling mechanism, are designed as separate units. This makes repairs easy and upgrades simple.

Technical Parameters

Model	JTJ-L
Output	1-10,800 capsules per hour
Capsule Size	00#, 0#, 1#, 2#, 3#, 4#
Filler Drug Type	Liquid material
Total Power	3.2 kW
Compressed Air	0.03 m ³ /min, 0.7 MPa
Vacuum Pump	40 m ³ /h
Overall Dimensions	Length: 1,130mm
	Width: 700mm
	Height: 1,600mm
	Weight: 400kg



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