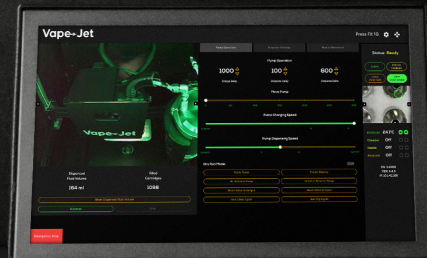
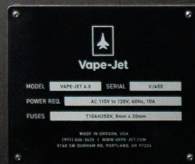


Vape → Jet

4.0 Fully-Automatic
Cartridge Filling Machine



Vape→Jet 4.0

Finally, a filling machine built with cannabis in mind. Our fully-automatic cart filling platform can fill between 5,000 and 10,000 vape cartridges per shift with the lowest labor inputs of any machine on the market. Preserve the quality of your oil and terpenes with full environmental control, and nitrogen-modified atmosphere processing for low-temperature dispensing.

Powerful Software



MARVIN Platform

Our recently released software platform increases the daily output of Vape-Jet by up to 30% with faster processing, more efficient operation and improved settings integration. By reducing the time between cartridge alignment and filling by more than half, the upgrade makes it possible to fill a tray of 100 1g cartridges in as little as 4 minutes.



Center Post Avoidance

You'll never have to pre-inspect vape cartridges or worry about defective ones going out the door again with Vape-Jet's intuitive Center Post Avoidance. Our machine vision easily detects and avoids bent center posts and can even be configured to flag or skip over vape cartridges that are out of specification.



Multiple Configurations

The Vape-Jet machine can accommodate a myriad of product attributes and vape cart styles, including pods, syringes, capsules, and sauce jars. Able to save up to 1,000 different configurations, Vape-Jet is a master of efficiency, allowing each configuration to be easily loaded or updated as needed. Switching between different profiles and products has never been so simple.



Data Reporting

Track batches, analyze cartridge filling operations, and even view pre- and post-fill inspection photos with Vape-Jet's robust data reporting and traceability features. Take the guess work out of your cart-filling operation knowing you can track every cart filled by Vape-Jet.



Machine Vision Alignment

The Vape-Jet sees things that no other machine can. Our patent-pending machine vision alignment system analyzes whole trays of vape cartridges, aligns the needle overhead, and precisely fills each one to the optimal level. Our optional Center Post Avoidance feature can even identify if center posts are bent or damaged, eliminating the need for pre-inspection and alignment.



Built-In Touchscreen

Included in the latest iteration of the Vape-Jet, machine operators have full access to the control panel from an ultra-responsive 11.8" touchscreen interface built in to the front panel of the machine. Fill cartridges, adjust settings, follow guided operating procedures and monitor progress without a secondary device.



Remote Operation

Operate Vape-Jet remotely from any internet-capable device, including MacOS and Windows desktops, laptops, tablets via ethernet cable. You can even operate multiple Vape-Jet machines from a single device, allowing a single operator to run up to five machines at once.



Active Deployment

We are constantly working to improve Vape-Jet's software based upon direct customer feedback. We are regularly adding new features, custom modifications, and software updates to ensure your machine runs as smoothly and efficiently as possible. Do you have a custom feature or crazy idea? Let us help you build it!

[Request a Demo](#)

Vape→Jet 4.0

Fill smarter with industry-leading customer support, process consultation, warranty, and training included with every machine. Virtual support technicians can configure the Vape-Jet for most vape cartridges within mere minutes, saving thousands of profiles for one-click change overs between one-gram cartridges, half gram, or pod systems.

Innovative Hardware



Environmental Control

Purposefully designed and built with cannabis in mind, precisely control the temperature of your oil with 3 independently-programmable heat zones. Preserve terpenes and reduce the degradation of your distillate, rosin, CO₂, and other extracts. Our proportional-integral-derivative (PID) algorithms eliminate any temperature variation and preserve the overall quality of your products. The nitrogen-pressurized fluid path not only reduces oxidation but allows for the lowest operating temperatures of any filling system.



Pharmaceutical Pump

Precision is the name of the game. Our third-party calibrated and certified pumping mechanism can quickly and accurately dispense between 0.001ml and 5.0ml into your vape cartridges, pods, or capsules. Never worry about fill volume and cleaning up spills again.



Clean in Place

Cleaning the Vape-Jet is quick and easy with our Clean in Place procedure. Using only 200ml of alcohol, the cleaning wizard will get your Vape-Jet clean and dry for a new batch with a few clicks. The full cleanup process takes less than 10 minutes and is almost entirely automated.



Direct to Tray Filling

Eliminate the need to manually transfer cartridges into and out of a jig. Thanks to our machine vision alignment system, Vape-Jet can automatically fill carts as shipped in vertically packaged foam trays. Simply unbox the cartridges, place the foam tray into the Vape-Jet, and start filling.



Safe Fluid Path

We ensure that your oil and products only touch the highest quality and safest materials available. The Vape-Jet fluid path is made entirely from fluoropolymers, Viton, Borosilicate glass, stainless steel, and ceramic. Superlok fittings are used for all compression fittings and the pump dispensing valve is made from precision machined ceramic-on-ceramic without any lubricants or gaskets.



Dedicated Support

Have a question while operating Vape-Jet? Our help desk is accessible via the Vape-Jet GUI and our website. Once a ticket is submitted, one of our dedicated support technicians will be in touch as quickly as 15 minutes and always same business day. Our engineers can also remotely view your system configurations, operation data, and error logs, in order to quickly troubleshoot issues on the fly. Rest assured; you're never flying alone.

[Contact for Pricing](#)

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Electrical Specifications	
Input Voltage	110V-125V
Wattage	200W (Idle) – 800W (Max)
Max Amperage	8A
Plug Style	NEMA 5-15 (Type B)
Fluid Path Specifications	
Pump Type	Syringe Pump /w Mechanical Valve
Pump Drive	Stepper Motor /w Optical Encoder
Pump Speed	Adaptive variable speed dispense. Minimum 300ms dispense stroke.
Pump Accuracy @ 30% Stroke	< .1% (Every pump is independent cal lab tested and results provided.)
Pump Repeatability @ 30% Stroke	< .1% (Every pump is independent cal lab tested and results provided.)
Pump Resolution	1/3000th of 100% syringe stroke length.
Syringe Materials	Borosilicate Glass, PTFE
Valve Materials	Ceramic / 316 Stainless Steel
Hose Material	PTFE
Needle Material	316 Stainless Steel
Reservoir Material	316 Stainless Steel /w Viton Gaskets
Fittings Material	PTFE / 316 Stainless
Needle Gauge	18AWG
Needle Heater	
Power	40W
Type	Resistive Cartridge Heater inside Aluminum Block
Temp Range	25C – 95C
Accuracy	+/- 1C
Chamber Heater	
Power	400W
Type	Resistive Air Radiator Element
Temp Range	25C – 75C

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Accuracy	+ - 5C
Air Flow	41CFM Max
Reservoir Heater	
Power	400W
Type	Silicone Heater Pad
Temp Range	25C - 95C
Accuracy	+ - .5C
Mechanical Specifications	
Max Travel	360mmx410mm
Max Speed	150mm/second
Repeatability / Accuracy	0.078 / 0.091 mm
Max Force @33mm/sec	55N
Motor Type	NEMA-17 1.2A
Operational Parameters	
Operating Temp	21°C ~ 29°C
Storage Temp	10°C ~ 45°C
Cartridges per Hour	625 - 1250
Cartridge Compatibility	99% of circular cartridges natively supported
Gas Requirements	
Gas Type	Food-Grade Nitrogen
Nitrogen Tank Size	20 cu ft tank (not included) for 60+ days of use
Overall Machine Dimensions	
Width	665mm
Depth	685mm
Height	710mm

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Vape-Jet 4.0

