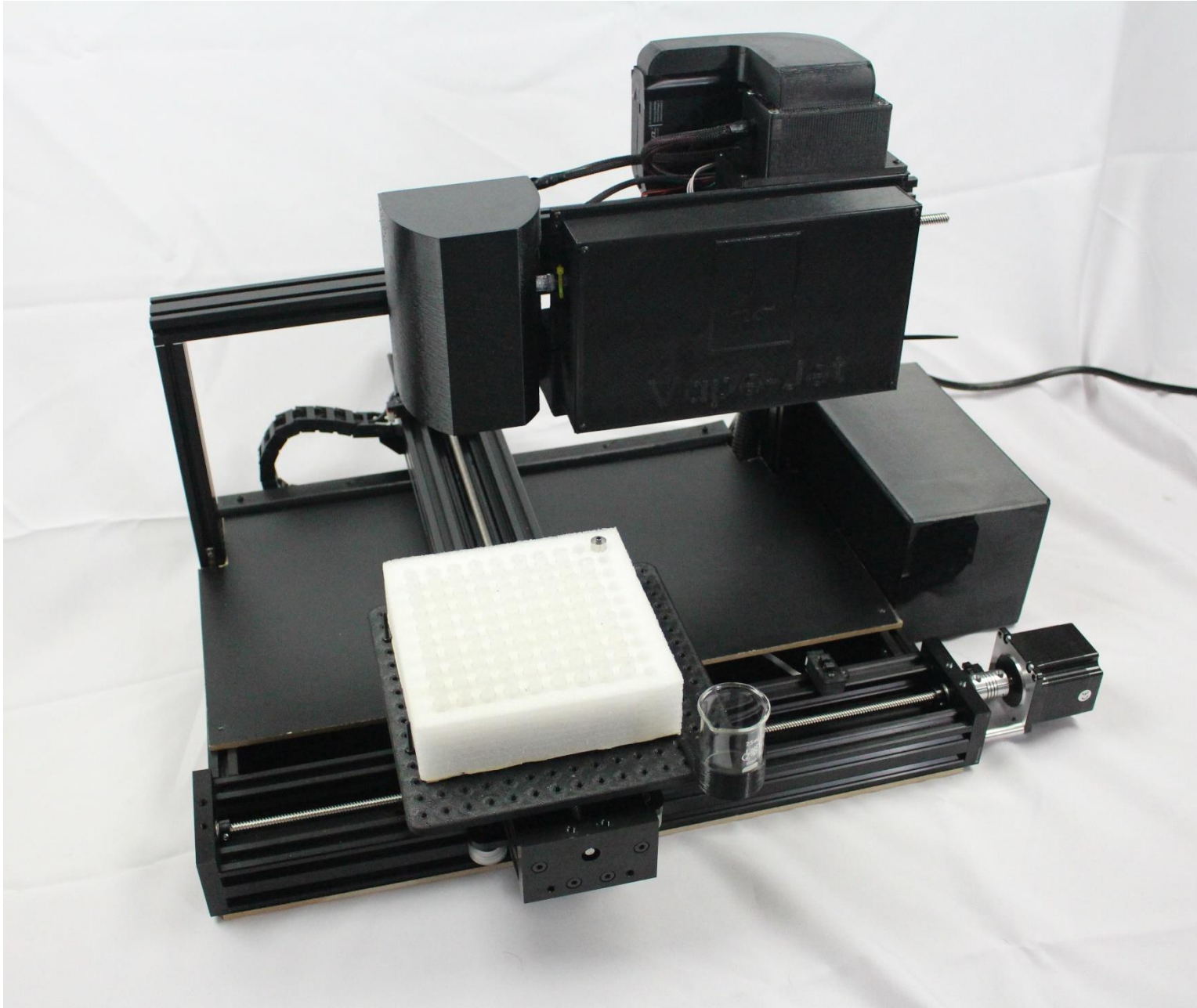


Vape-Jet

Automation Solutions

MV-1 Automatic Cartridge Filler



Key Features

- Heated pump chamber and reservoir.
- Compatible with most cartridge types.
- Machine vision alignment system.
- Direct to shipping tray filling operation.
- PID temperature control.
- Airtight borosilicate / PTFE dispensing syringe.
- Stepper motor driven syringe pump.
- Removable 25ml overflow container.
- User replaceable valves & hoses.
- Multiple machine profiles.
- High quality NEMA23 motors and drivers.
- Completely software configurable.

DATA SHEET

MV1 AUTOMATIC CARTRIDGE FILLING MACHINE

Product Description

The Vape Jet is an automatic vape cartridge filling machine designed for highly viscous oils, while being able to handle even the thinnest of eJuice. System operation speed, precision, repeatability, and operational range are all highly variable and dependent on the physical properties of the dispensed fluid. Every parameter of the dispensing process is software controlled and can be fine-tuned by the operator to achieve maximum throughput. The Vape Jet is WiFi enabled or can be hardwired into your local network. The interface can be controlled from any device with a modern web browser. An API providing system status, batch metrics, and operational health is available for integration for your ERP or custom software solution.

Technical Specifications

Electrical	
Input Voltage	110V-125V
Wattage	200W (Idle) - 800W (Max)
Maximum Amperage	8A
Receptacle	NEMA 5-15 (Type B)
Movement	
Max Travel	365mm
Max Speed	150 mm/sec
Repeatability / Accuracy	0.078 / 0.091 mm
Max Force @33mm/sec	26lb (115N)
Motor Type	NEMA-23 2.4A
Dispensing Pump	
Syringe Type	Hamilton 81320
Syringe Volume	1ml
Syringe Termination	PTFE Luer Lock (TLL)
Syringe Fluid Path	Borosilicate glass, PTFE
Syringe Sterilizable / Autoclavable	Yes
Needle Type	Luer Lock 12GA – 22GA (Viscosity Dependent)
Motor Type	NEMA-17 1.8A
Motor Repeatability / Accuracy	0.093mm / 0.13 mm
Dispensing Resolution	0.05ml - 0.1ml (Viscosity Dependent)
Dispensing Repeatability	0.05ml - 0.1ml (Viscosity Dependent)
Valve Cracking Pressure	<= .174 psig
Tube Type	1/8" ID 1/4"OD PTFE Tubing
Heater Type	150W Forced Air
Heater Element Max Temp	90°C
Operational Parameters	
Operating conditions	20°C ~ 35°C
Storage Conditions	10°C ~ 45°C
Cartridges per Hour	300 – 800 (Viscosity Dependent)
Run Time (100 Cartridges)	7 minutes – 20 minutes (Viscosity Dependent)
Cartridge Compatibility	Any circular cartridge with more than .25mm alignment space after needle insertion. (CCel, 510, Etc.)
Warranty	1 year limited warranty

Disclaimer

The technical specifications contained within are given in good faith and are as accurate as possible based on current testing data. Due to a continued program of improvement these specifications may change from time to time without notice. We apologize for any inconvenience due to changes of specification or errors and omissions within this document.

Vape-Jet Contact

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