

RoboCAP RL-300VF Liquid Vial Filler

Made in Canada 🍁

This is your cost efficient CGMP Compliant liquid filling capsule machine. It's ideal for Clinical Trials and Small Scale Production.

RL-301VF - 1,500 Caps/hr, RL-302VF – 2,500 Caps/hr



RoboCAP RL-302VF Liquid Vial Filler

The RoboCAP is a flexible system, which is capable of automatically filling liquids into capsules or vials as well as small containers. It can also be used as stand-alone, manual powder capsule filler.

Process Sequence

1. Load empty vials into fixture.
2. Place vial holding fixture onto the robotic units mounting fixture.
3. Empty vials are filled with liquid product by robot dispensing valve.
4. Vial holding fixture is removed from the robotic fixture.
5. The fixture with the filled vials is placed aside for capping.

Technical Specs

RL-300 Work Area (X x Y x Z):	300x300x100 mm
Output Capacity:	1,200 to 3,500 pcs/hr
Fill Volume:	0.25 to 100 ml
Tool Load:	5.0 Kg
Max Tool Speed (X&Y / Z):	500 / 300 mm/sec
Repeatability:	+/- 0.01 mm/Axis
Resolution:	0.001 mm/Axis

Process Description

Product is forced from the 316L pressure tank, into the product line and to the product inlet of the 316L dispensing needle valve.

The Liquid dispensing controller sends a pulse of air to the inlet of the valve, which forces the piston back against the spring, therefore pulling the product plunger off of the seat. This allows the flow of product out of the dispensing nozzle. The valve dispenses product into the empty vial, with a fill weight tolerance of +/- 1.5%.

At the end of the cycle, the plunger is reseated stopping the product flow.

Data Memory Capacity:	100 Programs
Points / Program:	4000 Points
Power Supply:	110V/220V
Current:	2.5mA
Dimensions:	485 x 500 x590 mm
Net Weight:	45 Kg
Options:	2, 3, 5 & 10 Gallon Tanks

Also Available: The RoboCAP RL-200, and the RL-300 series liquid capsule fillers.

The RL-200VF and the RL-300VF can be upgrade to fill capsules, and if you own a RoboCAP liquid capsule filler, it can also be upgraded to fill vials.

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