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RoboPlus 300

LIQUID FILLER



RoboPlus LIQUID FILLER



Whether you are a start-up, or a well established organization, the RoboPlus provides a filling system that has the ability to meet all your current filling needs, while also providing the opportunity to scale as your production demands grow. The machine will give you a consistent and accurate dispense each time, reducing operator error.

See Models Below



Upgradeable to RoboPlus 300
Fast and Easy to Clean
GMP, Health USA and FDA Compliant



Capsule Filling Option

Fill Outputs

RoboPlus 301	3,000 Caps/hr
RoboPlus 302	6,000 Caps/hr
RoboPlus 303	8,500 Caps/hr
RoboPlus 304	10,000 Caps/hr

Bottom-Out Pressure Vessel System

The Bottom-out Pressure Vessel is made of 316 SS with a stainless steel finish outside. It has a sealed lid with tri clover sanitary connections for the airlines. Tank sizes available are 1, 3, 5 & 10-gallon. Jacketed tanks are also available for heating and maintain heat throughout the filling process.

*Product mixers are also available.



8000D Liquid Dispense Controller

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 capsule or cartridge body, with a fill weight tolerance of $\pm 1.5\%$.

Dispensing Nozzle

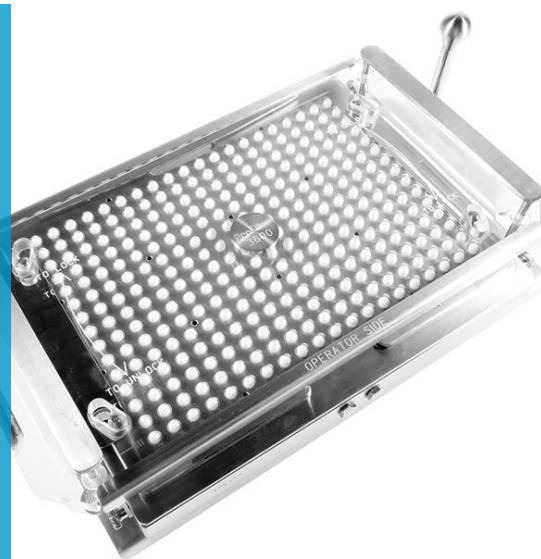
The liquid dispenser is made of 316 SS and dispenses the liquid into the product body. The volume is controlled by the 8000D Liquid Dispense Controller.



300-Hole ProFiller

3600 Capsule Tray

This component is used to separate the capsule bodies from the capsule heads to be filled. The bodies are orientated and rectified into a tray that holds 300 capsules. The operator then separates the tops from the bodies and places tray on the RoboCAP to fill. After the filling cycle is complete, the tray is returned to the Profiller top for closing. Includes one set of capsule size change parts sizes 00 to 4. Can also be used as a powder filler.



100-Hole ProFiller Capsule Tray

Technical Specs	RoboPlus 300
RoboPlus 300 & RoboPlus 300G Work Area (XxYxZ)	300x300x100mm
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
Air Pressure	85 psi
Data Memory Capacity	375 x 375 x 250 mm
Points / Programs	4000 Points
Drive System / Stepping Motor	Single Phase Micro Stepper
Power Supply	110V/220V
Current	2.5mA
RL-300 Dimensions	485mm x 500mm x 590mm
RL-300 Net Weight	45Kg



Heating System Option - Available for the thickest oils

Heating system add-ons:

- ✓ Jacketed Pressure Vessel with Temperature Controller
- ✓ Jacketed Lines from Vessel to Nozzles
- ✓ Mixer inside vessel
- ✓ Nozzle (18 gauge tip)

Cartridge Filling Option

Fill Outputs

RoboPlus 301	1,500 Cartridges/hr
RoboPlus 302	2,000 Cartridges/hr

Bottom-Out Pressure Vessel System

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*Product mixers are also available.





8000D Liquid Dispense Controller

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 capsule or cartridge body, with a fill weight tolerance of $\pm 1.5\%$.

Cartridge Dispensing Nozzle

The liquid dispenser is made of 316 SS and dispenses the liquid into the product body. The volume is controlled by the 8000D Liquid Dispense Controller. Ability to upgrade to multiple nozzles.



300-Hole ProFiller 3600 Cartridges Tray

We make custom molded trays specific to your own cartridges and create the program in-house on the RoboPlus. To eliminate any operator down time and ensure complete production efficiency, you will receive three trays for each size or type of cartridge.



RoboPlus 300P Option:

- ✓ The RoboPlus 300P is a new system design option for companies looking to reduce costs and improve efficiency in their tincture bottle filling process.
- ✓ The peristaltic pump option is a system designed for larger fill volumes of free-flowing liquid and for companies who fill many different types of flavours and blends.
- ✓ The pump systems makes set up and cleaning extremely simple and efficient because there is no pressure vessel and nozzle to clean, only the tubing.
- ✓ Completely interchangeable option between the Pressure System used for filling capsules and cartridges

Bottle Filling Option

Fill Outputs

RoboPlus 301P	1,200 30ml bottle/hr
RoboPlus 302P	1,800 30ml bottle/hr
RoboPlus 303P	2,500 30ml bottles/hr
RoboPlus 304P	3,000 30ml bottles/hr



Peristaltic Pump

The Peristaltic Pump is a positive displacement pump used for filling larger volume fills of free-flowing product. Touch-screen interface to set desired volume. Add a 2, 3 or 4 pumps to fill multiple bottles at once. Switch over product blend or flavour in a matter of seconds. Completely interchangeable between Pressure System, which is used for filling capsules and cartridges.

Custom Made Bottle Tray

We make custom molded trays specific to your own cartridges and create the program in-house on the RoboCAP. To eliminate any operator down time and ensure complete production efficiency, you will receive three trays for each size or type of cartridge.





Compare Features	RoboPlus 300
Capsules per tray	300
Cartridges per tray	144
Output - Capsules	up to 10,000/hr
Output - Cartridges	up to 2,000/hr
Output - Bottles	up to 2,500/hr
Upgrade Capabilities	up to 4 nozzles
System Application	Pneumatic & Peristaltic
Heating Option	Yes
Work Space (mm)	300x300

NewLabX also offer:

Rotary Evaporator

Molecular Distillation

CBD oil Softgel Machine

CBD oil Capsule Filler

