



**M&O Perry Industries**

## NSCVF-L NESTED LIQUID FILLING MACHINES



***M&O Perry Industries Liquid Filling and Stopper Inserting Machine for nested syringes, cartridges, and vials, Model NSCVF-L. Provides high accuracy fills 0.5% < 2% depending on container stability and liquid characteristics.***

- Designed to operate at speeds from 35cpm up to 120cpm (7,200cph)
- A bottom-up fill mechanism performs the liquid fill process utilizing 316L stainless steel fill needles.
- Choice of precision pump systems
  - ✓ Peristaltic
  - ✓ Piston
  - ✓ Rolling diaphragm
- Vacuum stoppering option
- Can be integrated with containment hood, environmental monitoring, inspection, robotics, CIP/SIP, labeling and more
- Optional Tare/Gross Check weighing
- Constructed on a sturdy tubular 304 stainless steel tabletop frame
- HMI monitors and controls all machine functions
- The PLC allows for easy adjustment of machine functions
- Stepper/Servo motors for placement and insertions



**AWS BIO-PHARMA TECHNOLOGIES**

[WWW.AWSBIOPHARMA.COM](http://WWW.AWSBIOPHARMA.COM) 1.877.297.7763 [SALES@AWSBIOPHARMA.COM](mailto:SALES@AWSBIOPHARMA.COM)

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## Loading of Tubs:

- An operator will manually load the bagged tub into the tub staging for Tyvek sheet removal.
- An operator slides the tub on the indexing conveyor where a pick & place mechanism places the tub into the filling station.
- Manual or automated options are available.

## Filling and Stopping:

- Vials
- Syringes
- Cartridges

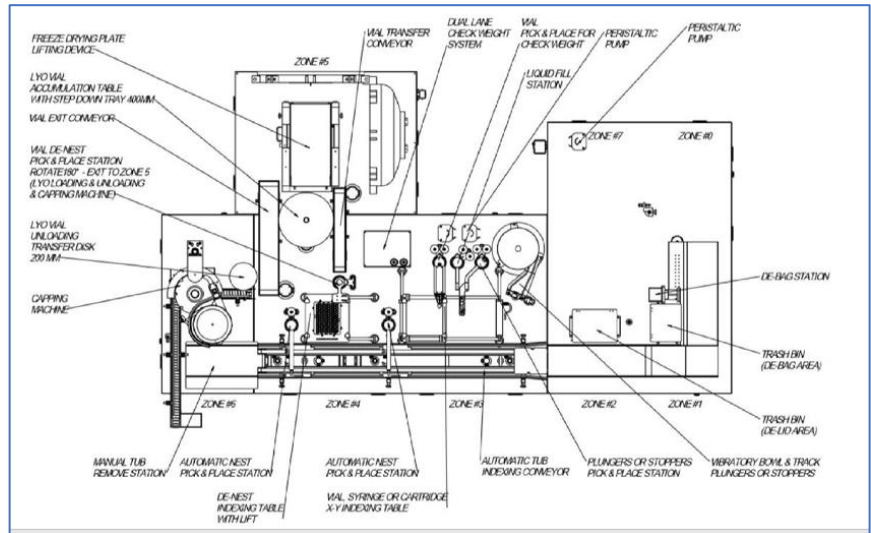


## Optional Tare / Gross Check weighing

- Available for all syringes, vials, & cartridges

## Transfer of product:

- Filled syringes and cartridges are picked and placed into a tub. A conveyor brings the tub to the manual tub removal station.
- Filled vials are picked and placed into a tub. A conveyor brings the tub to the Pick & Place De-Nesting station, onto an indexing table. Vials are then de-nested and placed onto a turntable to be transferred to the Lypholizer or directly to the capping station, if not lyophilized first.



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