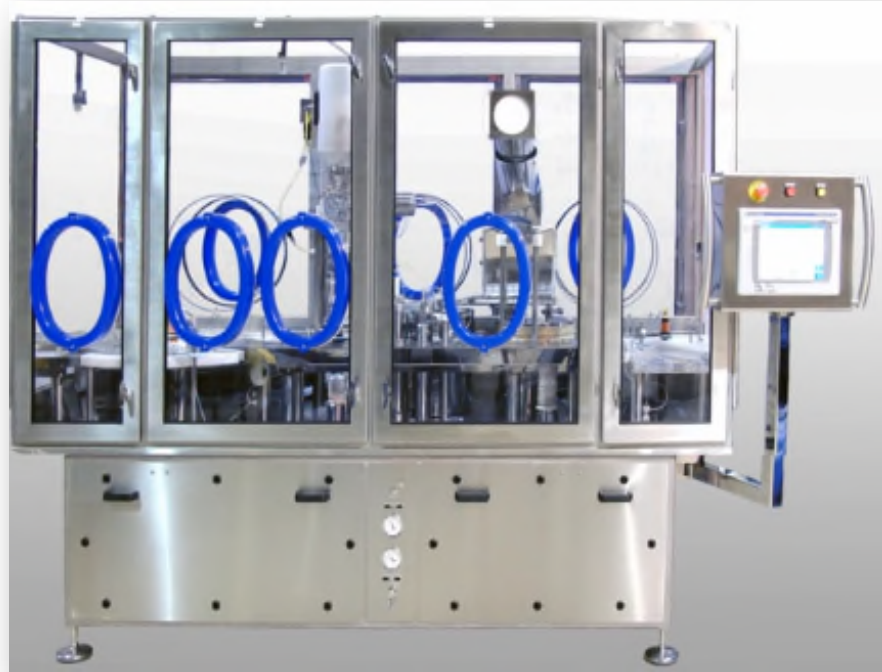




**M&O Perry Industries**

## LOWER SPEED POWDER FILLING MACHINES



*M&O Perry Industries Low to Medium Speed Powder Filling Systems provide high accuracy fills 0.5% < 2% depending on container stability, powder density and handling characteristics.*

- Up to 45cpm single tooled
- Up to 90cpm dual tooled
- Glass or plastic vials / bottles / tubes / syringes / SPE columns
- Bulk or nested format
- Options for stopper, crimp capping, screw capping, and torque stations
- Model P1505 – Oscillating Needle Dosing System
- Model P1505-E – ACCOFIL® Filling Wheel Dosing System
- Models P2105/2105E – Isolator Version

MOP P1505 0121



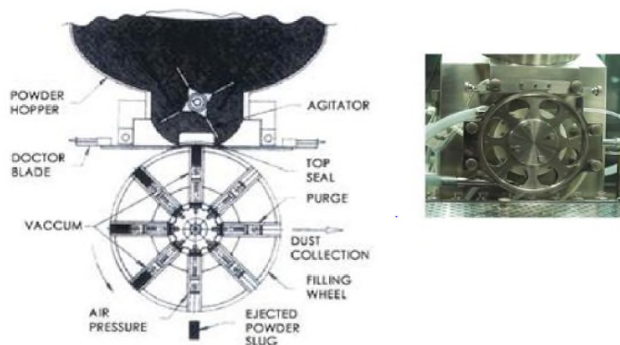
**AWS BIO-PHARMA TECHNOLOGIES**

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

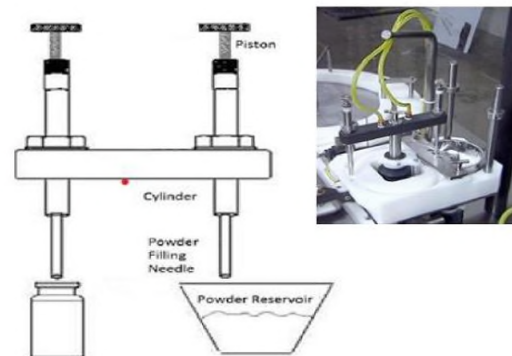
# POWDER FILLING MACHINE STANDARDS

- 304 S/S frame w/ aluminum table top and 316 S/S skin or 304 S/S table top.
- Sanitary designed conveyors and conveyance systems are simple to disassemble, clean and reassemble.
- Positive control of vials through the powder fill station.
- Touch Screen control panels.
- Siemens or Allen Bradley PLC's and HMI's available.
- Fill station's height adjustable from HMI panel.
- Fill wheel manufactured from 316L S/S is capable of infinite dose - servo driven.
- Air pressure and vacuum sources - mounted outside the fill room with adequate filter and check valve systems.
- Automatic purge system - both internal and external, cleans filters after each dose
- Sensors are quick release type and stop the machine if sufficient supply of vials not available at fill station, vials back-up from downstream operations, or machine jams
- Safety Hood - manufactured with 316L S/S frame, Lexan or Glass Panels and electrically interlocked doors
- High yield powder hopper(s) manufactured from 316L S/S.
- Angled hopper body facilitates flow of powder to fill wheel loading zone.
- Hopper(s) suitable for both free and non-free flowing powders.
- Simple thumb screw adjustment and locking of 316L S/S doctor blades (wiping blades).
- Multiple hopper sizes and shapes available to meet different production requirements (i.e., small fill weights and batch sizes) and powder flow characteristics.
- Variable speed, powder agitator in body preconditions powder and feeds to the throat area (i.e., fill wheel loading zone).
- Throat agitator provides supply of powder to fill wheel loading zone.
- Direct drive interface facilitates quick and easy removal and installation on machine.
- All bushings and seals manufactured from Rulon or Teflon and can be autoclaved.
- Floating top seals manufactured from Delrin or PEEK.
- Silicone seal between hopper and hopper cover

## FILL WHEEL OPTION



## OSCILLATING NEEDLE OPTION



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