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DTM
Packaging, LLC

Packaging/Bottling Machinery
and Engineering Services



DTM Packaging PI 3100 AUTOMATIC INLINE PISTON FILLER

Construction Features:

- 304 Stainless steel heavy duty welded C frame.
- Special seals or hoses by order.
- Machine mounted on 4 heavy duty casters.
- 1 inch 304 stainless steel machine leveling screws.
- All contact parts are stainless steel, sanitary, teflon, viton and hoses.

Control Panel Features:

- Omron PLC for all machine logic functions
- Three filling options on control panel (Up, Bottom Up and Down).
- Front panel conveyor speed control for machine sold with conveyor.
- Front panel mounted bottle counter, start and Emergency STOP.
- Fiber optic sensors for container gating.
- Expandable to 14, 12 or 10 pistons to increase speed (Depends on piston size).
- No bottle no fill PLC controlled.

Main Components Features:

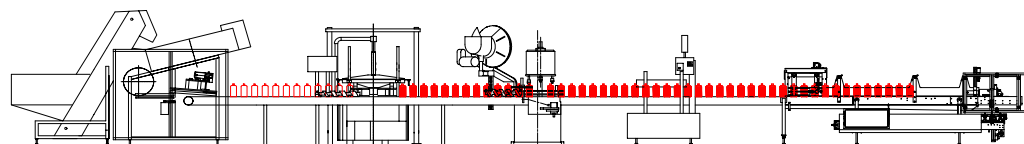
- Piston filling and charging stroke by power full 6 inch bore air cylinder.
- Lubricated air cylinder to create a smooth and constant filling speed.
- Hardened Stainless steel shafts with linear bearings for nozzle rack movement.
- 8 inch stroke for nozzle up and down movement.
- Hand wheel and shaft mounted stoppers for height and stroke adjustment.
- Hand wheel counter mounted on volume control threaded rod.

Standard Features:

- Nozzle spacing fully adjustable through top or bottom screw.
- Container height adjustment from 1½ to 16 inches high.
- Nozzle stroke adjustments from 0 to 8 inches.
- Adjustable bottle gating system.
- No change parts needed for various types of containers, will work with plastic or glass.
- Air filter-regulator and safety lockout valve included.
- Spacing and additional bottle control obtained by flow controls mounted on air gating cylinders.

Electric and Pneumatic Requirements:

- 110 Volts, 60Hz, 15 Amps 20 CFM @ 80 psi.



UNSCRAMBLER

FILLER

CAPPER

LABELER

CASE PACKER