

# 8 HEAD GEAR PUMP / FLOW METER BASED IN-LINE / LINEAR FILLING MACHINE



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## Description

Servo Continuous motion & pneumatic diving nozzle based Gear Pump/Flow Meter filling machine offers flexibility for wide range of liquids with ease of simply. Gear pump fillers are positive displacement pumps with self-priming features. Pumps can fill minimum to maximum fill volume without any mechanical setting by HMI such as a flow meter. Gear Pump filling is a cheaper option of flow meter filling.

Gear Pump Filler is accurately measured the revolutions of the pump and motor assembly. Fill rates can be modulated controlling the motor RPM and running time with guaranteed to result in a clean end to your fill cycle.

Flow Meter filling is the ideal solution for conductive and non-conductive liquids with no moving parts in contact with the product regardless its foaminess or viscosity. The system includes automatic 'Recipes' choice from the Human Machine Interface.

## Key Features

- 7" color touch screen with plc for various error message and control system
- Rugged, reliable construction
- No bottle no filling, no bottle no cap release, Out-feed jam machine stop, no cap in chute machine stop, Auto feeder on/off system, Safety door open machine stop
- Machine auto on / off system, Machine will start automatically once bottle enter to the in feed conveyor and stop if bottle absence
- 24VDC motor operated gear pump OR FLOW METER on each head
- Real time no bottles no filling
- Precise filling valve for 100% spillage/drip free on bottle neck and shoulder
- High filling accuracy:  $\pm 1\%$
- Programmable for multi speed and profile filling cycles
- Designed for easy change-over and cleaning
- Integrated fault light and alarm to inform operator production error
- Individual nozzle fill volume adjustment by HMI
- Synchronized variable speed control
- All contact parts are ss-316/peek/PTFE/Teflon/Silicon and non-contact parts SS 304, MS frame structure with SS cladding
- Lifetime pre lubricated gear motor for Main drive.
- Tool less adjustable conveyor guide rails to accommodate with different products
- Fully interlocked guarding for machine protection safety
- CIP at temperatures up to 70°C
- Diving Nozzle to reduce bubbling of foamy liquids