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## DTM Packaging PUREFIL 1500, Automatic Inline Gear Pump Filling Machine

**DTM**  
Packaging & Custom Automation  
Machinery & Engineering Services

The DTM Packaging Purefil In-line gear pump filler works on the principle of metering the flow of liquid by means of digital control.

The liquid to be filled flows from the reservoir tank to the container through the Gear Pump which is controlled by the PLC.

The convenience of digital volume settings through the PLC makes the machine extremely user friendly .

The system includes ease of cleaning all product supply connection, pipes, fittings and valves utilize sanitary type (Tri-Clamp) fittings and components.



### **Features:**

Speed to 150/minute depending on size and product.

Gear Pumps control system w/Allen Bradley PLC with HMI individual volume adj. for each pump.

Clean design for quick product changes and no tools quick size changes.

Indexing bottle control with adjustable entry and exit bottle gating cylinders.

316L stainless steel product contact parts.

304 Stainless steel heavy duty stainless steel welded frame.

316 Stainless tank for the reception of products to be filled, includes top cover and tank level control

All product contact parts are stainless steel, Teflon, Viton and sanitary design.

Special seals or hoses by order.

Safety interlocked lexan guards.

Allen Bradley Control Logic PLC and HMI with provision to store product recipes.

Bottom up or top fill capability with vertical motion for nozzle carrier bar controlled by servo.

Flush in place tray for quick FIP process.

Servo control for fast container height changeovers.

Nozzle spacing fully adjustable with hand knobs and Vernier scales

No container no fill safety and container neck guide control.

Air filter-regulator and safety lockout valve included.

No change parts needed for various types of containers, will work with plastic or glass containers.

The pump is contained within a solid 316 type stainless steel vault with Tri-Clover clamp connections.

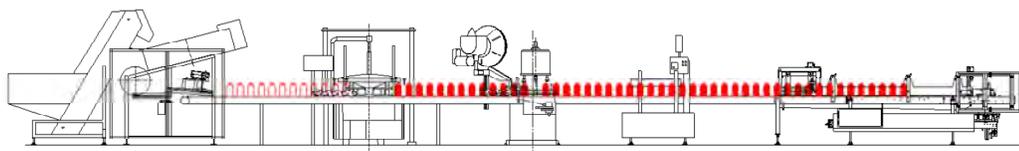
The pump comes completely apart by removing two industry standard Tri-Clover clamps.

Sizes available: 1, 3/4, 5/8, 9/16, 1/2, 3/8 and 1/4 inch.

PLC Controlled pneumatic driven stainless steel drip tray, includes flow controls for speed controls and tube for hose connection to recollect dripped product.

Back up photo eye.

Modem in electrical panel for remote maintenance and trouble shooting.



UNSCRAMBLER

FILLER

CAPPER

LABELER

CASE PACKER