



AI-generated conceptual image; final configuration is project-specific.

AUTOMATIC LIQUID DOSING & FILLING SYSTEM

Automatic Vial Liquid Filling & Rubber Stoppering Machine

For approved pharmaceutical glass vials, liquid formulations and compatible rubber stoppers, with controlled vial infeed and synchronized indexing.

Suitable for: Approved pharmaceutical glass vials, liquid formulations and compatible rubber stoppers

Machinery supply within India only. Technical review, delivery and support are coordinated from Ahmedabad.

Operating Principle and Selection Basis

Vials are indexed below filling nozzles, dosed by the selected pump and transferred directly to an automatic stopper feeding and insertion station.

Control System: No-vial/no-fill and no-stopper logic with optional gas flushing and barrier integration

Optional Scope: Full or partial stoppering, nitrogen flushing, LAF, RABS or isolator interface can be engineered.

Project basis: Final specifications are governed by the approved quotation, machine datasheet, GA drawing and project URS. Published references and configuration/order qualifiers are retained. Illustrated equipment is not a guarantee of the supplied configuration.

Published Technical Specifications

Source: the product page included in this release. Published references are selection aids; the approved quotation and machine datasheet govern the supplied configuration.

Machine, Process and Integration Data

PARAMETER	PUBLISHED / PROJECT DATA
Suitable For	Approved pharmaceutical glass vials, liquid formulations and compatible rubber stoppers
Working Principle	Vials are indexed below filling nozzles, dosed by the selected pump and transferred directly to an automatic stopper feeding and insertion station.
Infeed / Handling	Controlled vial infeed and synchronized indexing
Outfeed / Transfer	Stoppered vials discharge toward the capping machine
Machine Construction	GMP-oriented stainless-steel construction as defined in the approved scope
Contact Materials	Product-contact materials, seals, tubing, valves and surface finish are matched to the product and cleaning method in the approved scope.
Control System	No-vial/no-fill and no-stopper logic with optional gas flushing and barrier integration
Changeover	Settings, guides and format parts matched to approved samples or drawings
Optional Scope	Full or partial stoppering, nitrogen flushing, LAF, RABS or isolator interface can be engineered.
Line Integration	Standalone supply or integration with approved upstream and downstream machines

Core Technical and Commercial Data

PARAMETER	PUBLISHED / PROJECT DATA
Reference scope	HMLS-20 is the published model reference. The 10-100 mL working range, 50-250 mL syringe set and 1000 mL motor/dose note describe different reference attributes, not one continuous qualified vial-filling range. The quotation must separately state approved vial dimensions, liquid fill-volume range, selected syringe/pump, motor and demonstrated filling conditions.
Model / Series	Published reference. HMLS-20
Output / Throughput	Configuration-specific. The rated output in containers per minute depends on fill volume, viscosity, temperature, foam, container, dosing technology and number of filling heads.
Accuracy / Acceptance Criterion	Published reference. ±1% filling accuracy on a single dose.
Electrical Power	Published reference: main machine 1 HP, 415 V, 50 Hz; conveyor 0.5 HP, 415 V, 50 Hz; three-phase + neutral + earth; total listed load 2 kW. The reference additionally notes 1.5 HP for a maximum single dose of 1000 mL. Confirm which motor/dose configuration that note applies to; it does not establish a 1000 mL operating dose for the approved vial machine.
Utilities	Published reference. Minimum compressed-air pressure 6 bar; consumption 0.5 CFM.
Overall Dimensions (L × W × H)	Published reference. Machine: 2135 × 1150 × 1610 mm; shipping case: 2350 × 1350 × 1650 mm; conveyor height adjustable from 860 to 910 mm.
Net / Shipping Weight	Published reference. 600 kg net / 850 kg gross.
Capacity / Format Range	Published working-range reference: 10-100 mL with change parts. The quoted reference also lists a 50-250 mL syringe set; syringe-set capacity must not be treated as the qualified fill range or the approved vial size. Confirm vial dimensions, required liquid dose and pump/tooling together.
Warranty	Published reference. Manufacturing defects in stainless-steel components are covered; normal wear-and-tear parts, consumables and electrical components are excluded. The quotation does not state a warranty duration.
Installation / Commissioning Scope	Published reference. Pre-dispatch operational and maintenance training; buyer may install, or an H M Pharma Machines engineer can attend site with tickets, accommodation, food and local transportation borne by the buyer.