

ETF Series

Automatic In-line Tin Filling Machine by Weight



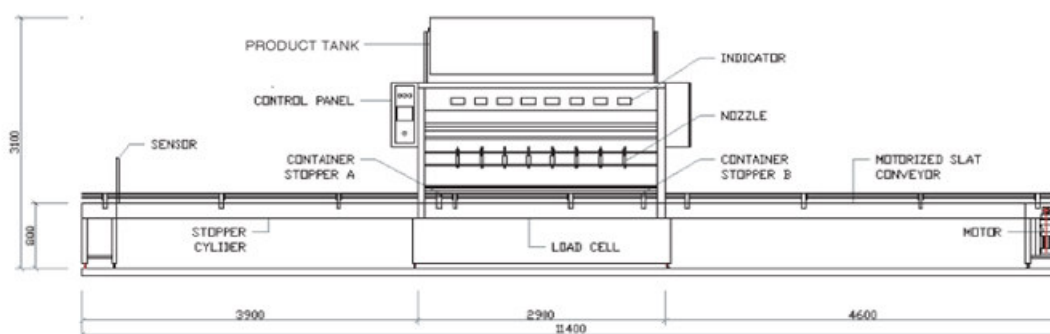
Fully automatic load cell control tin in-line filling machines with auto feed, locating filling and do charging.

This weight-controlled tin filling machine is designed for square tins, jerry can, pail, bucket (or any containers on request) ranging from 5 to 25kg capacity. Most suitable for a wide range of liquids.

The filling machine is fully automatic that run independently without any operator. When empty tins are being fed into the lead-in conveyor, they are being checked for bung-hole, assigned and fed into the load cell weighing stations, auto filling

of all tins, jerry can simultaneously and discharge for optional capping.

It is fully microprocessor controlled and contained many sophisticated functions to fill jerry can to desire weight accurately and efficiently. Designed to fill directly from supply pump and coupled with pressure regulator that active near the target weight, this two stages filling control fully endure a clean and spillage free operation with last drops collected by the automatic drip trap.



ETF Series

Revolutionary new fully automatic tin filling machine that run independantly without operator. When empty tins are being fed into the conveyor, they are being checked for bung-hole and assigned and being fed into load cell weighing stations, auto filling all tins simultaneously and discharge for capping.

Container Type

Square, rectangular, round tin, jerry can, pail, bucket etc.

Filling Capacity

5 to 30kg (5 to 30 litres) via electronic load cells.

Weighing Indicator

AD-4401 Weighing Indicator with ultra-fast 70 conversion per second speed gives it greater cutoff judgement accuracy making it unrivalled for filling. It has a 1/10,000 display resolution and a 3-step control function with full, medium and dribble flow stages. Automatic Free Fall Compensation (AFFC) allows the AD-4401 to 'learn' the free fall value for even greater filling accuracy. Full Digital Calibration, "Watchdog" circuitry and full RF1 protection ensure convenient, trouble-free operation. Dust tight thumbwheel digital switches are connected to AD-4401 for setting "ZERO BAND", "FREE FALL", "PRELIM" and "FINAL WEIGHT". The AD-4401 features a 13mm 6-digit cobalt blue fluorescent display with clear annunciators on the display panel and automatic conversion between kg and lb.

Filling Mode

Manual/Gross/Net fill

Tare Facility

Auto-tare / Non-tare

Sequencing

Auto feed, locating, filling and discharging fully microprocessor controlled with electronic sensing device.

Filling Mode

Drip proof nozzles for under bung-hole fill with 2 stages medium/slow filling control. Nozzle assembly adjustable for centres and for height by pneumatic control.

Drip Tray

Automatic drip tray to collect any residual drip.

Conveyor

1 length 11,300mm of variable speed motorised stainless steel duplex slat band conveyor for jerry can, located at the In-feed filling and discharge area. Entire length of conveyor is fitted with adjustable side guide rails.

Reservoir Pipe

Centrally located product holding tanks is fabricated in 304 stainless steel, stin polish interior and exterior for mounting above inlets, complete with a lid. A pneumatic control ball valve is fitted at the tank inlet, the opening and closing of the ball valve is automatically controlled by both HIGH and LOW level detectors to maintain liquid level inside the tank.

Material

Parts in contact with the liquid are SS 304 / 316 stainless steel, fluorescent, P.T.F.E. and PVC hose.

Cabinet

All electronic, pneumatic, filling and weighing stations are neatly enclosed into a single cabinet complete with clear plastic doors for viewing when closed and easily accessible when opened. All controls are fully protected from spillage tray located immediately under the filling zone. Entire cabinet rest on adjustable levelling feet.

Air Requirements

6-7kg/sq m at 0.2 cu.m/min

Finish

Stainless steel 304.

Electrical Supply

380 or 410 VAC + 10% to - 15% (factory preset)
50/60Hz

Net Weight

Approximately 780kg

Operating Temperature

-5 deg C to 35 deg C

Operating Humidity

Less than 85% RH (non-condensing)



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