



ED Series

Tin / Carton Filling Machines



Fully Automatic Margarine / Shortening Filling Line

ED-4M-SS filling jacketed nozzle



Empty carton transfer into ED-4M-SS

ED-2M / 4M / 6M / 8M fillers are designed to fill viscous products such as margarine, shortening, CBS, CBE, ice-cream fats etc. The fillers can be fully intergrated to fully automatic system without any operator, from carton erector, poly bag former and inserter, motorized roller conveyor to ED-2M / 4M / 6M / 8M filler, tamp out air and heat seal poly bag, auto carton folding and carton sealing, inkjet printer, in-motion check weigher and metal detector, a fully complete automatic margarine filling line. Hot water unit for filler jacketed nozzle and attached piping only for ED-4M and above. We also provide multi hole and single out put flow nozzle for the filler.



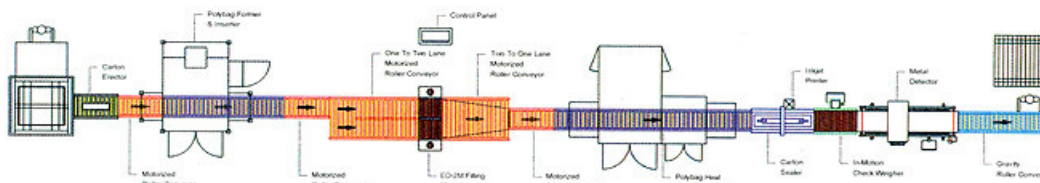
ED-4M-SS filling nozzle



ED-4M-SS link to auto heat sealing (bag closing)

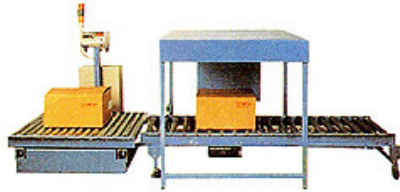


ED-4M-SS complete with stand alone control panel



Fully automatic filling line layout drawing

ED Series



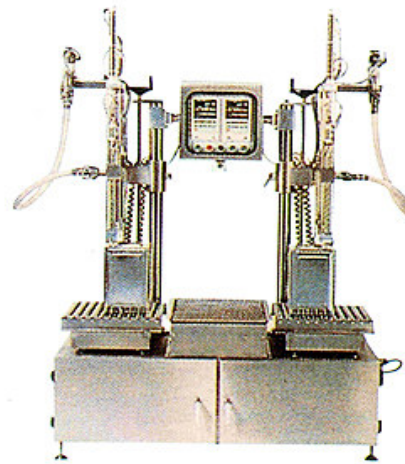
In motion check weigher



Type of container

10kgs to 100kgs Carton / Tin Liquid Filling System.

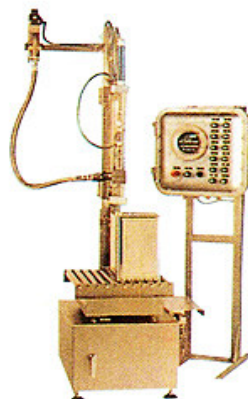
Our series of weight- controlled filling systems provides accurate filling with approval for trade use for containers, tins, pails, carton with PE lining in the range of 10kgs to 100 kgs. It is suitable for installing at wash down, hazardous and other hostile environments. It is also suitable for a wide range of liquids such as edible oil, motor oil, chemical products, industrial oil, kerosene, ghee, shortening, margarine, grease, glue, ink, paint and other high viscosity of non-freezing liquid. Stand alone or automatic models are available with automatic tin filling, capping, seaming, labelling, palletising or automatic carton filling, carton sealing, carton coding and palletising.



ED-2L-SS (Twin head ghee filler)



ED-1-SS

ED-1-EX-SS
(Explosion proof filling unit)ED-2M-SS
(Twin head margarine filler)

Technical Specifications

PRODUCT TYPE

Tins fill automatically with liquids such as edible oil, motor oil, chemical products, industrial oil, kerosene etc. or cartons fill with pastry products such as margarine, ghee, shortening, coco butter, grease etc.

SCALE CAPACITY / ACCURACY

20kg x 0.005kg, 30kg x 0.005kg
50kg x 0.01kg, 100kg x 0.02kg

WEIGHING PLATFORM

Platform complete with single point load cell, is ruggedly constructed to take the abuse found in the harshest of industrial enviroments. Platforms are overload-protected to several times their maximum capacity.

LOAD CELL

Single point load cell specifically designed and developed for bench scale applications. Cell is protected against moisture damage by Transeal II plus neoprene boot over gaged area and secured by adhesive. No problems with shock loading and of the overloading, mechanical stoppers and provided at each corner platform. No other mechanical linkages or moving parts and is unaffected by everyday wear and tear. The design provide most accurate and reliable operation.

PRESSURE REGULATOR

Pneumatically controlled flow control valve to control variation in product supply pressure, pneumatically controlled.

NOZZLE ASSEMBLY

Full stainless steel construction and intergral with pressure regulator for two stages fast/slow filling. Entire assembly is specially designed for easy removal for cleaning.

BASE FRAME

Entire base frame is of sturdy welded steel construction and supports entire filling assembly, electronic and pneumatic control unit. Hence, whole machine can be easily moved from one location to another.

MICROPROCESSOR CONTROL SYSTEM

The electronic control system ensures accurate weighing process and also automatically controls the weight for each weighing. The weight valves can be out put to external device for further data processing or recording.

MATERIAL

Parts in contact with the liquid are 316 stainless steel, 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 lockable, interlocked door 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 leveling feet.

SUPPLY PRESSURE FEED

Not exceeding 0.8kg/sq.cm

CONSTRUCTION

Robust heavy steel re-inforced mild steel construction ensures long life. Model with SS are of stainless steel constructions.

FINISH

Prime coat in red oxide anti-rust paint and finish with green epoxy power paint.

AIR SUPPLY

6-7kg/sq.cm at 0.2 cu.m/min, a filter-lubricator unit is provided.

ELECTRICAL SUPPLY

230 VAC + 10%, -15%, 50/60 HZ, single phase

AMBIENT TEMPERATURE

-5 deg C to + 40 deg C

OPERATING HUMIDITY

Less than 85% RH (non-condensing)

Note: Specification may be change for improvement without notice.



EMEC Enterprise Sdn Bhd

No.16, Jalan Selat Selatan 22
Sobena Jaya Light Industrial Estate
Pandamaran 42000 Port Klang
Selangor Darul Ehsan, Malaysia
Tel: 603-3186 6300 (Hunting Line)
Fax: 603-3168 0900
email: info@emec-corp.com
website: www.emec-corp.com

Local Representative: