

versatility

FP40 is a modular vertical thermoforming machine which can produce containers in continuous band using the well-known Sarong technology. It can produce unit-dose packs, stand-up packs, special shapes with peeling and squeezable opening system and packs with Inserts, caps or sticks.

no waste

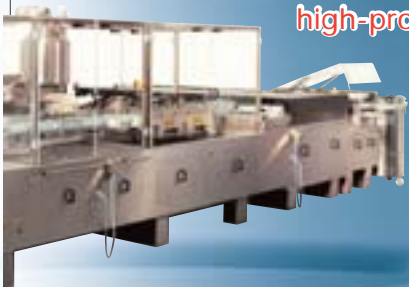
almost zero waste for standard packs. For special shape cutting FP40, allowing the geometrical intersection of the packs, can drastically reduce the packaging material waste.

latest technology

FP40 is the best combination between the traditional mechanics and mechatronics. Sarong confirm once again their leadership in the research to develop advanced and reliable solutions, applying the experience acquired in over 30 years activity in the thermoforming field, to the latest technologies offered by the market.

high-production

FP40 is a machine suitable for high-productions and its mechanical speed can reach 45 cycles per minute. It can work on two parallel lines allowing to double the output in comparison with the traditional machines.



FP40

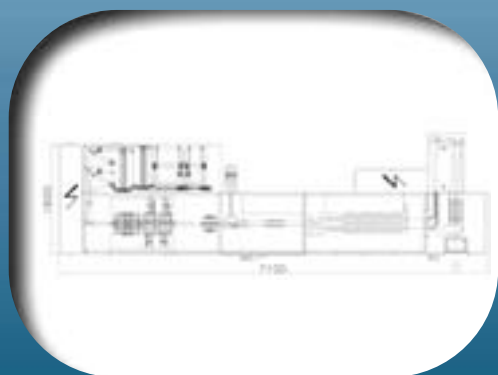
clean production process

FP40 works under sanitary conditions and therefore it is suitable for food and pharmaceutical product packaging. It can work under laminar flow to guarantee a high sanitary level.

easy size tool change-over

FP40 technology allows a fast size tool change over: moulds can be changed when they are still hot. The pump group fitted on a trolley allows a fast product change drastically reducing cleaning times.

- The main advantages of the machine are the following:
- automatic film reel change without stopping the machine
 - variable pitch
 - thermoforming without waste
 - pack intersection cutting without trimming waste
 - pump group on trolley driven by servomotors
 - C.I.P. on request
 - eventual compact cooling stage to cool-down product
 - fast cutter to cut single packs (according to the shape)
 - M.M.I. complying with the latest international standards
 - tele-service and compliance with CFR21 part 11



Technical Data:

Mechanical speed: up to 45 cycles/minute
Output: approx. 72000 doses/hour for packs up to 5 ml
approx. 60000 doses/hour for packs up to 10 ml
approx. 30000 doses/hour for packs up to 30 ml
to be calculated each time for higher sizes
(the a.m. data are referred to FP-40 D version, for the basic version and FP version the output is approximately halved)
Machine pitch: from 210 to 250 mm
Film width: from 80 mm to 160 mm
Packaging materials: PVC/PE, PVC/PVDC/PE, PET/PE, PS/PE, PET/PP and other thermoformable materials.
Film thickness: from 100 to 500 µm
Max. diameter of packaging material reels: 550 mm

Voltage: 400V, 3ph + T
Rated power: from 15 to 30KW (according to machine version)
Compressed air: from 100 to 250 NI/min

Optional:

- Film folder for stand-up packs or print registration on both sides
- Print registration group
- Perforation cutter
- Intermediate cutter
- Group to reject the faulty packs
- Trim aspiration group
- Cooling stages
- Print detector
- Film splice detector
- Pinhole detector
- Product filling level detector
- Tank level detector
- Forming control device
- C.I.P.



Automatic machine for high production
to produce thermoformed containers in continuous band for liquid, semi-liquid and thick products.

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FP40
THE NEXT AGE OF TECHNOLOGY