

Automatic machine to produce unit-doses in plastic thermoformable materials for liquid and semiliquid products



Automatic machine to produce unit-doses in plastic thermoformable materials for liquid and semi-liquid products.

SD4 is a sturdy, accurate, mechanical modular line; it was designed to achieve high production rate, low noise levels, safe and hygienic performances.

Its features are the followings:

• Optimized operation system which allows to have no waste during the production process and in case of machine stop;

- Film forming system (through compressed air blowing) to produce perfect packs;
- Size tooling to seal the film (at constant temperature);
- Volumetric filling pumps. Different fillers can be fitted to the machine to fill special products; 32.3
- Pack positioning system to guarantee a perfect centering of sealing, forming and cutting;

• Continuous band production which allows to obtain strips containing the desired number of packs. The thermoforming machine mod. SD4 is suitable to pack all liquid and semi-liquid products for any application: pharmaceuticals (syrups, creams, gels, lotions, veterinary products, etc.), cosmetics (shampoo, bath-foam, creams, oils, hair dyes, soap, etc.), chemicals (products for plants, for cars, detergents, additives, etc.) food applications (cheese, yogurt desserts fruit-jellies, ice-cream, chocolate, sauces, condiments, etc.).

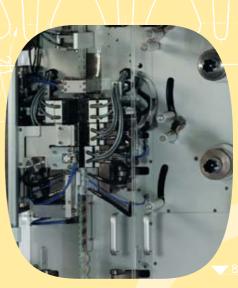
The doses can have easy opening by manual tearing-off or peeling (for products that solidify).



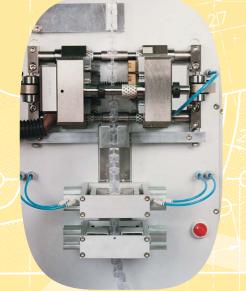
Vertical thermoforming machine mod. PA2000 (stand-up version)



Film folder for stand-up packs



Thermoforming group



Notch and perforation cutter on PA2000

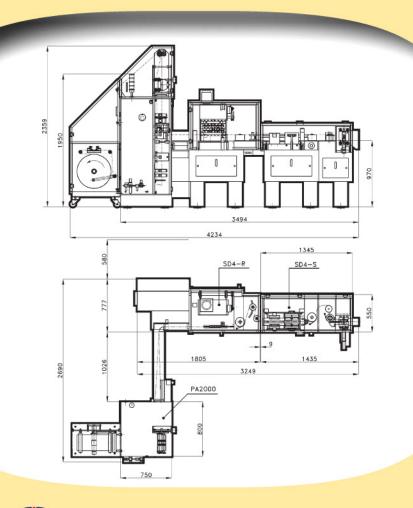


OPTIONAL EQUIPMENT

The following optional devices may be available upon request:

- film folder for stand-up packs
- Print registration group
- Print detector
- Notch and perforation cutter on PA2000 thermoformer
- Pinhole detector
- Film splice detector
- Product tank
- Product filling level detector
- Punch-embossing
- Pre-cutting group
- Upper trimming group
- Cutter for cropping the unit-doses
- Scissor cutting group
- Flap device to sort-out the faulty packs
- Trim aspiration group
- Chiller
- Module for cap insertion





TECHNICAL DATA:

• Output:

Pack index of 17,4 mm: 12000 doses/hour Pack index of 23,2 mm: 7200 doses/hour Pack index of 34,8 mm: 4800 doses/ hour

• Film width: from 44 mm to 118 mm

• Reel diameter: 280 mm

• Packaging materials: PET/PE, PET/EVOH/PE, PS/PE, PS/EVOH/PE, PVC/PE, PVC/PVDC/PE, PVC/PVDC/PP, PET/PP, etc. Thickness: 100 ÷ 300 micron

- Standard voltage: 230/400 V, 50 H, 3ph+N+Earth
- Rated power: 10,5 kW
- Control circuit: 24 VAC
- Weight: 1450 Kg



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