

SD4



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



SD4

 **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.

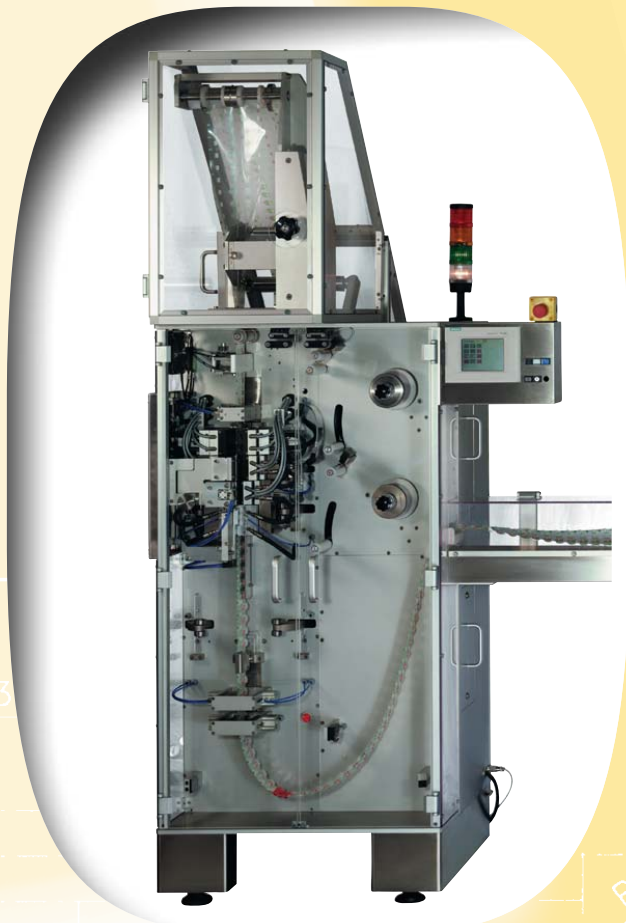
The thermoforming machine mod. SD4 is suitable to pack all liquid and semi-liquid products for any application: pharmaceuticals (syrups, creams, gels, lotions, veterinary products, etc.), cosmetics (shampoo, bath-foam, creams, oils, hair dyes, soap, etc.), chemicals (products for plants, for cars, detergents, 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).

ALTEZZA FILM

R3

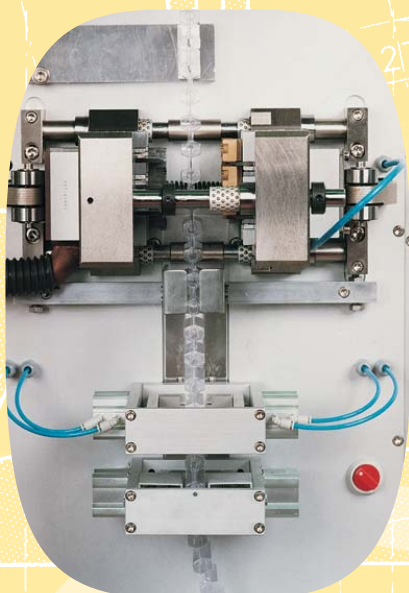
ø2.5



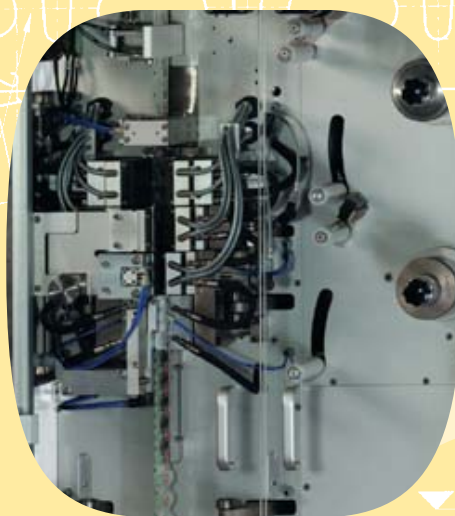
**Vertical thermoforming machine mod. PA2000
(stand-up version)**



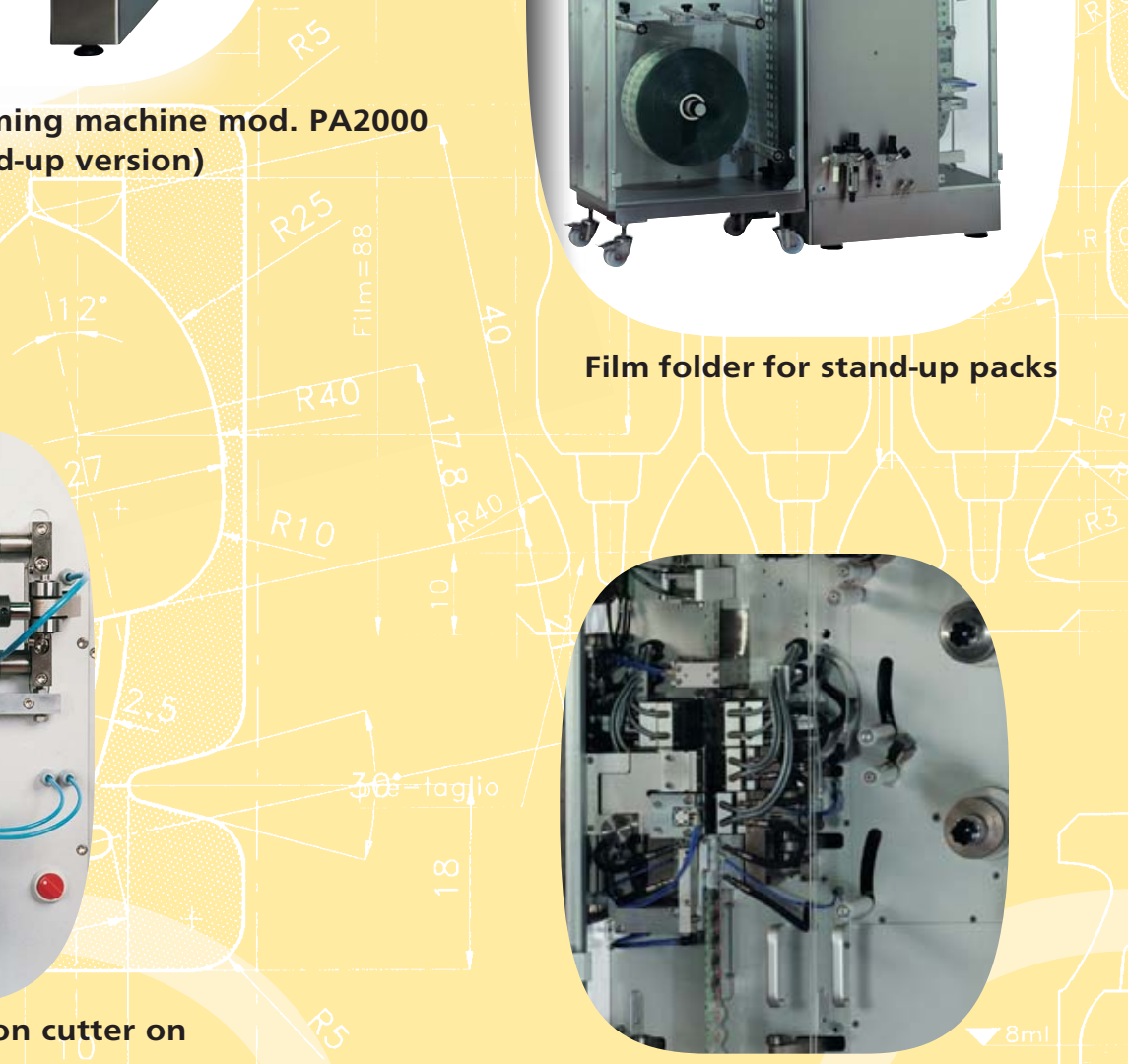
Film folder for stand-up packs



**Notch and perforation cutter on
PA2000**



Thermoforming group



Filling machine mod. SD4 R



32.3



Sealing machine mod. SD4 S

ALTEZZA FILM=72



Filling group

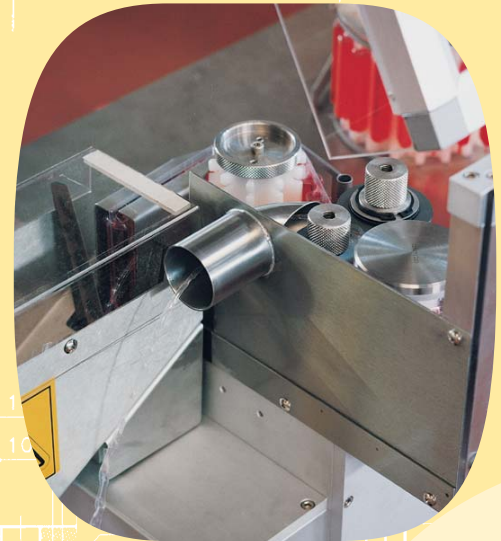
R3

34.8

ø2.5
4.5

8

3 16



Upper trimming and strip cutting



Cutter for unit-dose cropping

zona saldata

1

10

R42

11.12

1.0ml

18

35.5

6

5

8

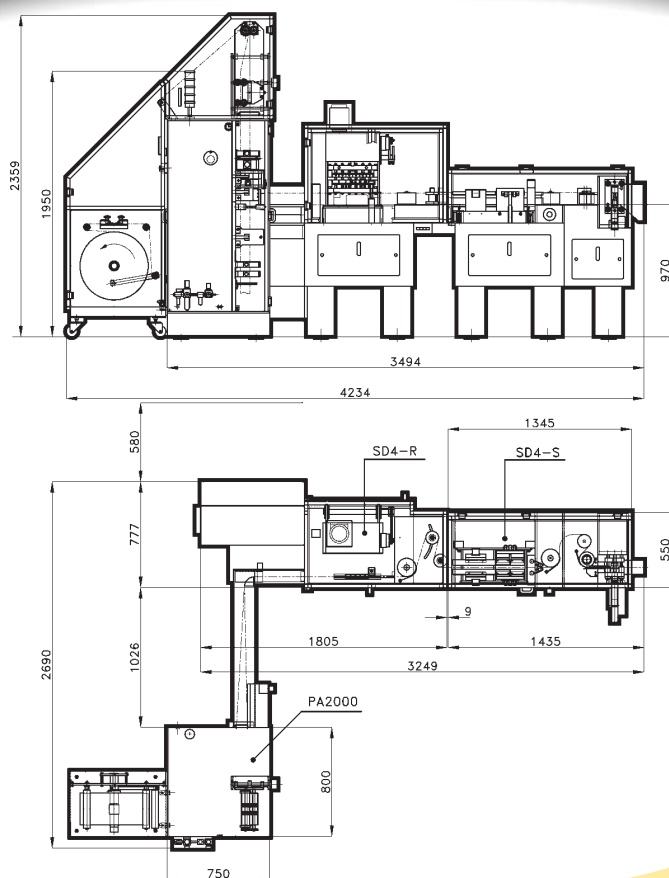
R10

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

