SAAS 6-AP

Automatic machine for the production of suppositories in aluminium or plastic formed cavities

SARONG
PACKAGING & MATERIAL DIVISION

SAAS 6-AP

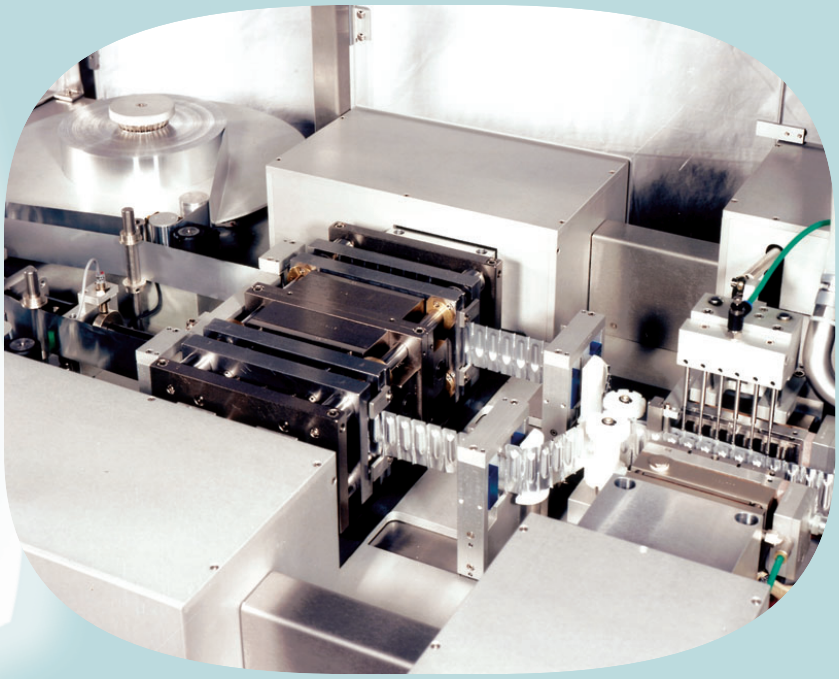
Automatic machine for the production of suppositories packaged in aluminium and in plastic thermoformed cavities.

The SAAS 6 AP is a sturdy, high-precision-made machine, designed to achieve high production rate, low noise levels, safe and hygienic performances. The machine is equipped with a PLC and a PC, from which all machine functions are controlled and monitored.

The features of the machine are the following:

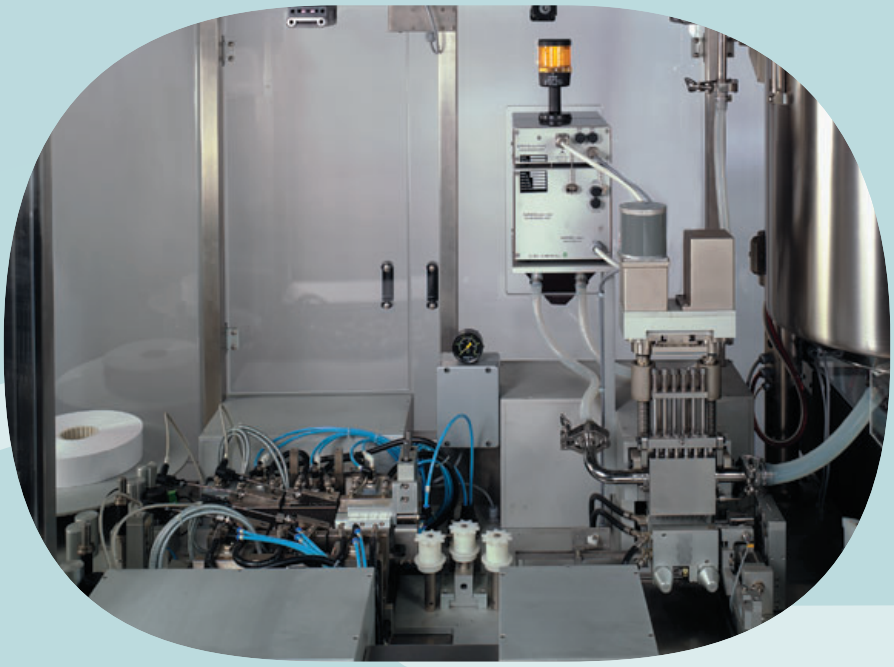
- optimized operation system which allows to have no waste during the production process and in case of machine stop;
- forming station for aluminium foil (by punch and matrix system) or for plastic films (by thermoforming process), to produce perfect suppository cavities;
- bead (or linear) welding of the two films. Each cavity is sealed around the outline of the formed cavity to guarantee a perfect and uniform sealing and to allow an easy extraction of each suppository from the pack with the "peel-off" opening system;
- the product is filled into the container by a volumetric filling pump whose nozzles fit inside the cavities. The filling volume is automatically set through the man machine interface;
- cooling process for product solidification, available in one or two cooling stages; the continuous suppository band is fed through a spiral path where it is cooled by the flow of filtered air, on both sides, until the suppositories are perfectly solidified, in order to obtain the best shape and consistence. The production of suppositories in continuous band allows any number of suppository per pack even if the machine is connected to any horizontal cartoner by means of the CT 1 link-up unit.

Our own manufacture of size tools



Forming station for aluminium foil

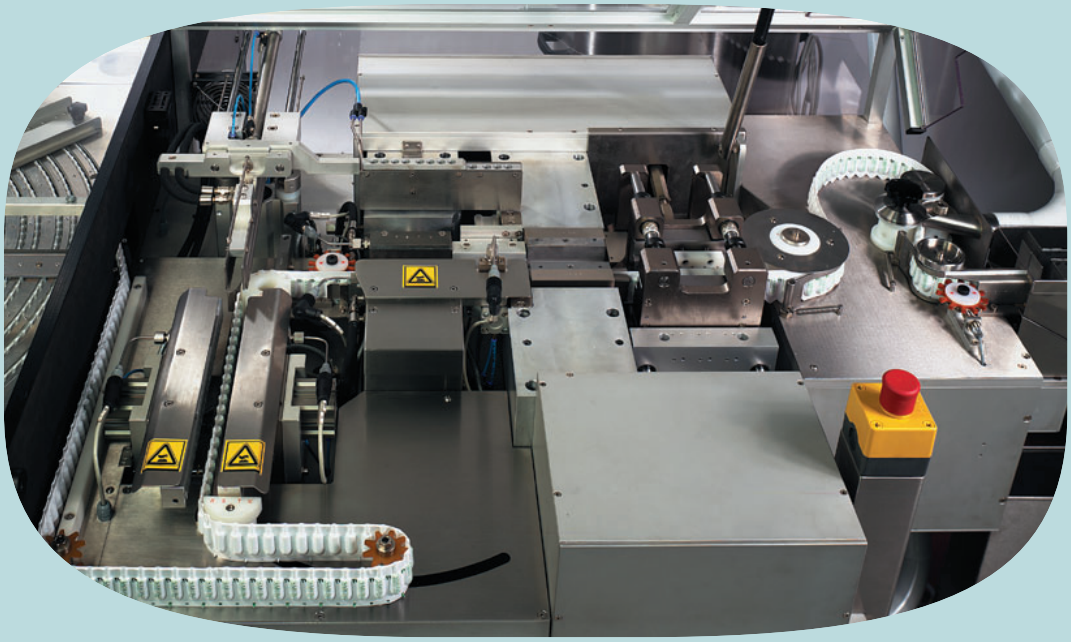
Man machine Interface



Thermoforming station
for plastic films

Filling station

Cooling station

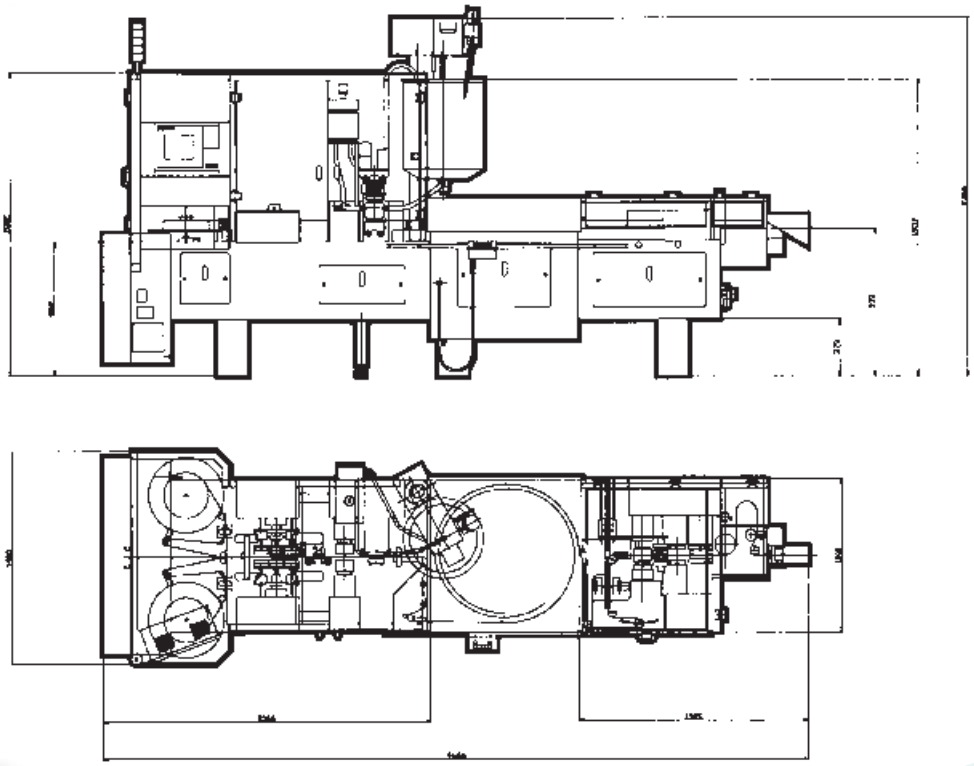


Sealing, embossing and perforating units

CT1 link-up unit

TECHNICAL DATA

• *Output:* 12.000 suppositories/h
• *Capacity of product tank:*
80 lt. heated double-jacketed electric immersion element
• *Max diameter of packaging material reels:* 490 mm
• *Max film width:* 65 mm
• *Packaging materials:*
Aluminium:
• duplex (ALU/PE)
• triplex (PP/ALU/PE)
thickness: 70÷100 microns
Plastic film:
• PVC, PVC/PE, PVC/PVDC/PE and other thermoforming materials
thickness: 100÷200 microns
• *Machine controlled by PLC*
• *MMI:*
PC with "touch screen"in MS Windows environment
• *Cooling time:*
1 stage: 8 min. (1x8)
2 stages: 16 min. (2x8)
• *Min. temperature of cooling air:* 5°C
• *Power of cooling group:*
1 stage: 3600 W
2 stages: 7500 W
• *Pneumatic equipment with 0.3 microns filtered air*
• *Compressed air consumption:*
aluminium foil: max 140 NL/min
plastic film: max. 280 NL/min
• *Rated pressure:* 6 bar
• *Cooling water consumption:* 4.5÷6 lt/min
• *Indicative rated output:*
1 stage: 12 KW
2 stages: 14 KW
• *Standard power supply:*
400 V, 3-phases + Gnd., 50 Hz
• *Other voltages available on request*
• *Control circuit: 24 V.d.c.*
• *Noise level:* below the 78 dB (A)
• *Dimensions (indicative)*
1 stage: 4678 x 1400 x 2360 height
2 stages: 4678 x 2040 x 2360 height
• *Height from floor of strip outfeed:* 960 mm
• *Approx. Weight:*
SAAS 6 AP 1 stage version: 2050 Kg
SAAS 6 AP 2 stage version: 2300 Kg



OPTIONAL EQUIPMENT

- 80 lt. tank separated from the machine with peristaltic product recirculation pump
- Peristaltic pump for the product recirculati
- Automatic product tank level control
- Film splice detector
- Print detector
- Device for print registration on body cavity
- Pinhole detector for plastic cavities
- Cavity filling level detector for plastic cavities
- Trimming group
- Perforation between suppositories
- Dry-coding group
- Ink-jet-coding group
- Closed-circuit chiller
- Equipment for glycerine processing
- Printer
- Flap device to sort-out the defective packages

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