

# SARONG 2-AP




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



**SARONG**  
PACKAGING & MATERIAL DIVISION



# SAAS 2-AP

 **Automatic machine for the production of suppositories in cavities made of aluminium or thermoforming plastic.**

The SAAS/2 –AP is a sturdy, high-precision-made machine and is highly compact with its restricted dimensions. Its mechanical movements ensure perfect operation with constant synchronism, and also guarantee a high reliability with less maintenance.

It is also fitted with all safety devices required by accident prevention standards in the various nations. A PLC supervises the machine's operating logic, manages alarms and temperature regulation and gives information on the progress of production.

Data regarding production line management are communicated to the operator through messages on the visual display and print – outs. As an optional, it is also possible to connect a PC, serving the function of machine supervision, as user interface. Fundamental and Original Features:

- cavity-forming system for aluminium – with matrix punch- and plastic material – through thermoforming;
- bead (or linear) type welding of the two films, in aluminium and plastic material: this method perfectly copies the profile of the cavity, guaranteeing uniform welding around the whole edge and therefore leading to constancy in the force required to extract each suppository from the pack with the “peel-off” opening method;
- micrometric regulation of product dosage, and direct injection of the product into the cavities;
- cooling process for product solidification, featuring a spiral travel path in which the suppositories are cooled by the flow of air, at controlled temperature, on both sides until perfect solidification, and hence optimum shape and consistency, are achieved.

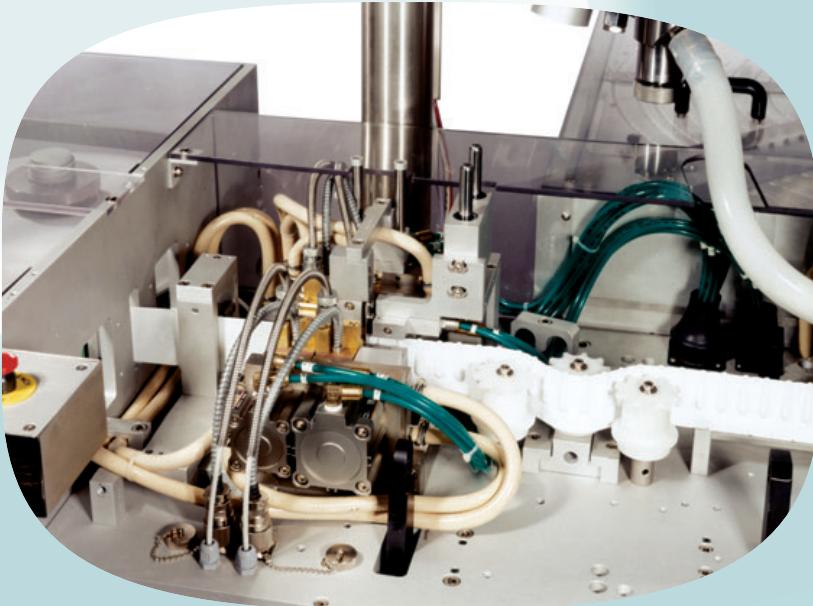
The production of suppositories in continuous strip form allows for the choice of any number of suppositories for pack.



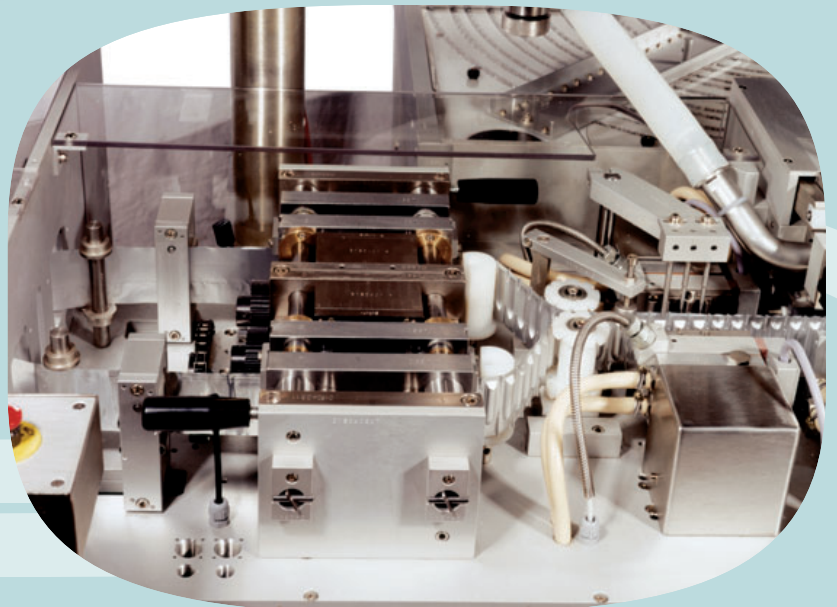
Our own manufacture of size tools



Machine control panel



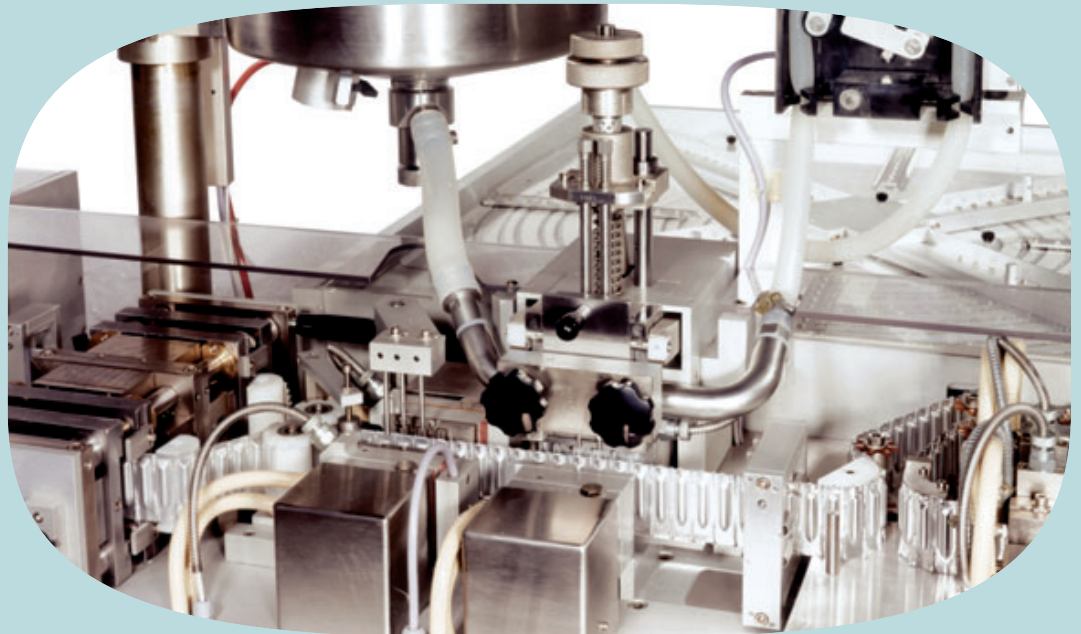
Thermoforming station for plastic films



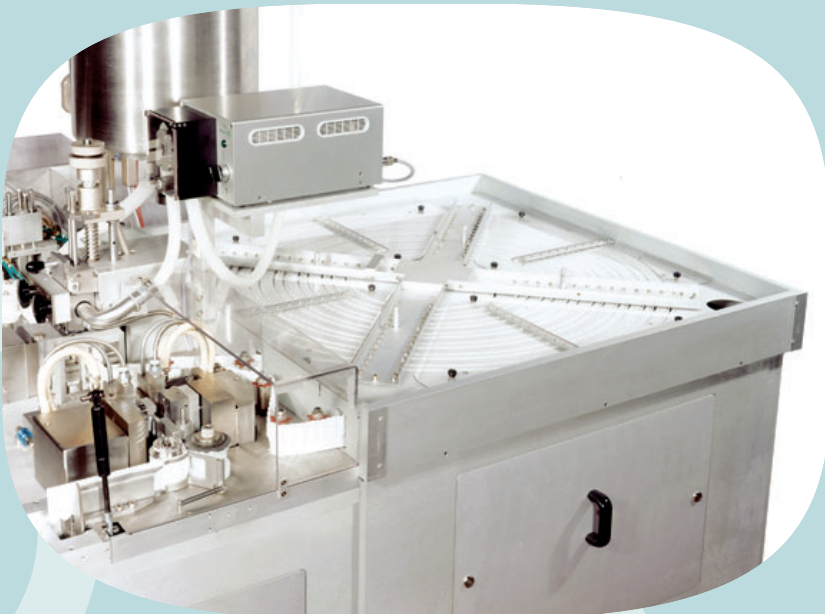
Forming station for aluminium foil



**Product tank**



**Filling station**

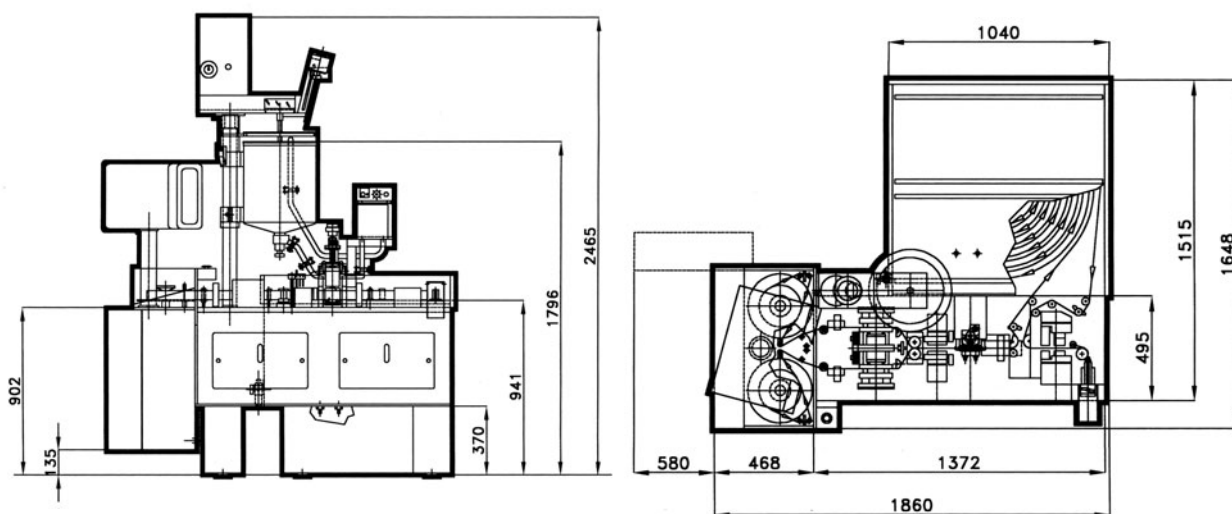


**Cooling station**



## TECHNICAL DATA

- *Output:* 5.000 suppositories/h
- *Capacity of product tank:*  
30 lt. heated double-jacketed electric immersion element
- *Max diameter of packaging material reels:*  
300 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*
- *Cooling time:* 20 minutes
- *Min temperature of cooling air:* 5°C
- *Power of cooling group:* 3600 W
- *Pneumatic equipment with 0.3 microns filtered air*
- *Compressed air consumption:*  
aluminium foil: max 30 NL/min  
plastic film: max. 130 NL/min
- *Rated pressure:* 6 bar
- *Cooling water:* 3÷5 L/min
- *Nominal installed power (indicative):* 10 KW
- *Control circuit:* 24 V.d.c.
- *Standard power supply:*  
230/400 V, 3-phases + N + Gnd., 50 Hz
- *Other voltages available on request*
- *Noise level:* below the 78 dB (A)
- *Dimensions (indicative)*  
1860 x 1648 x 2465 height
- *Height from floor of strip outfeed:* 940 mm
- *Approx. Weight:*  
SAAS 2 AP: 1210 Kg



### OPTIONAL EQUIPMENT

- 80 lt. tank separated from the machine with peristaltic product recirculation pump
- Peristaltic pump for the product recirculation
- 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
- Flap device to sort-out the defective packages.

