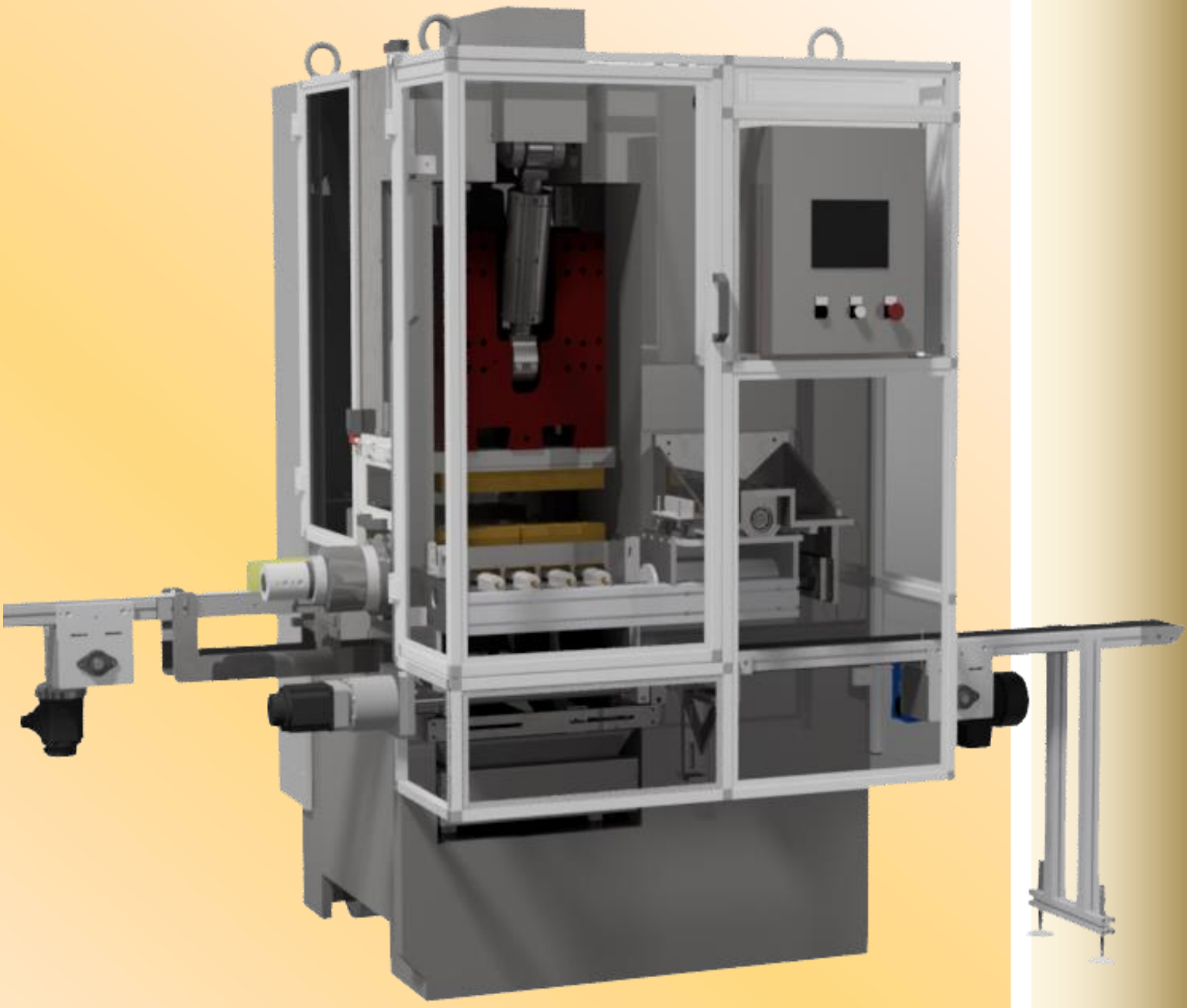
SAS

EQUIPMENT SUPPLIER FOR THE SOAP INDUSTRY

CONDOR

"FLASHSTAMPING" SOAP PRESS



Starting from the Seventies our company SAS MARIANI became well known to many soap companies thanks to the special performances of the CONDOR soap stamping machine, we sold 220 units in several years. Such model has been the **first flash-stamping multi-cavity soap press in the world**, then this technology spread and now the great majority of the toilet soap is flash-stamped.

We then introduced another family of flash-stamping presses, the Stampex and discontinued the manufacture of the CONDOR presses but without forgetting their special features.

In the most recent years, we assist to a development of the soap market with products that are more and more sticky and soft, so the extraction of the stamped bars from the cavities is seldom a challenge even with dies of special material are used.

The stamping process of the CONDOR, thanks to the simultaneous operation of feeding, stamping and extraction, allows a more comfortable and positive removal from the cavities and a reduced impact to the de-flashing plate where the soap excess is more gently separated from the stamped bars.
We therefore wanted to re-design the same process and are proud to present a family of CONDOR presses of different capacities from 200 to 500 stamped bars per minute.
Our Stampex family is still offered for many different applications while we suggest the CONDOR technology when stamping:

- SHAMPOO BARS which are usually soft, sticky and sometime of special shapes
- SYNDET BARS in general
- Translucent Soaps
- 100% “coconut” soaps
- RIM-BLOCKS
- Products with irregular shapes
- Soap Bars of Cosmetic quality

STAMPING PROCESS

The main vertical stamping movement is obtained with a toggle-joint mechanism (no cams) to assure the maximum sturdiness and simplicity.

The action of stamping is with **double-stroke**, this assures a superior finishing and the stabilization of the shape.

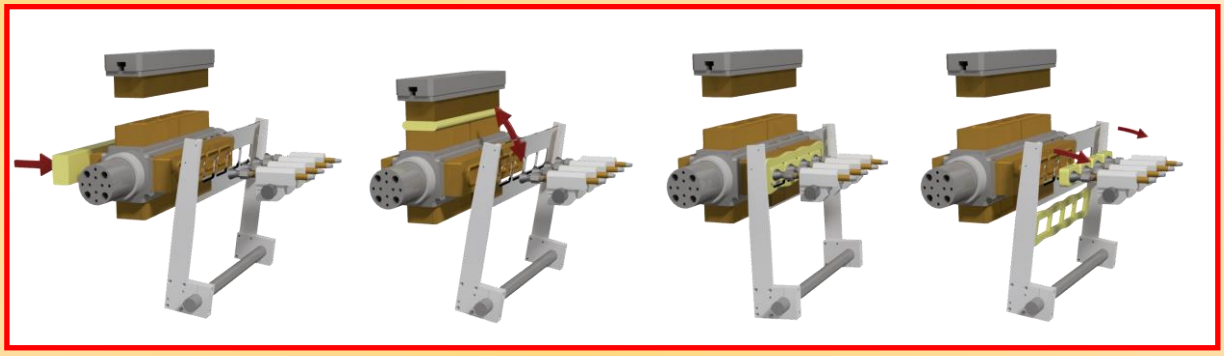
The bottom rotating mandril has four stations, each station has a single operation:

- Loading of billet
- Stamping into bars
- Extraction of stamped bars
- Separation of any flashing, if necessary

Each of these operations can be accurately performed because they are not in sequence but are done in parallel.

The unique feature of the movable de-flashing plate is of great help to allow a delicate separation of the flashing at low relative speed.

The CONDOR press takes advantage of the latest technical developments in terms of solutions and materials. As well as the Stampex press, it has an intermittent infeed conveyor, a customized discharge conveyor, cooling circuits for the die sets, circuits for compressed air and vacuum.



	NUMBER OF CAVITIES	1	2	3	4	5	6	DIE HOLDER LENGTH
CONDOR/200	PRODUCTION RATE (bpm)	100	180	270	340			300 mm
	BAR WEIGHT RANGE (gr)	10-250	10-150	10-70	10-40			
	MAXIMUM BAR LENGTH (mm)	200	100	64	60			
CONDOR/300	PRODUCTION RATE (bpm)	100	180	270	320	375	450	380 mm
	BAR WEIGHT RANGE (gr)	10-250	10-200	10-150	10-70	10-40	10-30	
	MAXIMUM BAR LENGTH (mm)	200	150	100	72	60	55	
CONDOR/360	PRODUCTION RATE (bpm)	100	180	270	320	400	450	480 mm
	BAR WEIGHT RANGE (gr)	20-300	20-300	20-200	20-150	20-75	10-30	
	MAXIMUM BAR LENGTH (mm)	250	200	130	100	75	60	
CONDOR/500	PRODUCTION RATE (bpm)			270	320	375	450	700 mm
	BAR WEIGHT RANGE (gr)			20-300	20-250	20-200	20-150	
	MAXIMUM BAR LENGTH (mm)			210	155	120	100	

Maximum Stamped Bar Width for all models: 70mm
Maximum Bar Thickness for all models: 50mm

CONDOR MODEL	200	300	360	500
Installed Power (kW)	3	4	6	8
Air consumption with Venturi vacuum system (liters/min at 6 bars)	900	1000	1100	1300
Die Chiller Capacity (kcal at -30°C)	2200	2700	3500	4500
Machine Weight (kg)	2500	2800	3200	5200

SAS MARIANI SRL
VIA TOSCANINI, 46 - 20831 SEREGNO (MB) ITALY - www.sasoap.com
Phone: +39 0362 239988 – E-mail: sasoap@sasoap.com