

EURO P8

COTTONSWABS FORMING & PACKING MACHINE



eurosicmaTM
packaging solutions



- User friendly machine fully servo driven with many different parameter settings trough PC controller
- Modular arrangements to meet the most various needs
- High-speed up to 3000 cotton swabs per min and high efficiency to get top performance

EURO P8 MANUAL

UNIVERSAL COTTONSWABS MACHINE

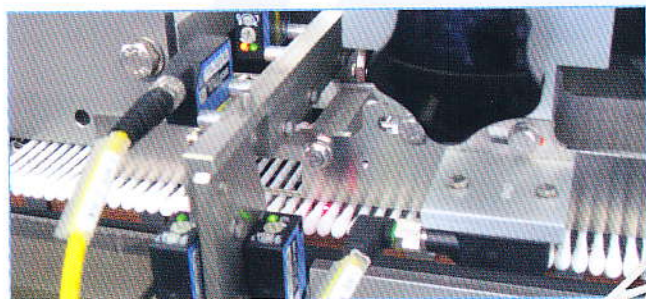
The **Euro P8** is the product of our experience acquired from the forming machine models P3 and P4.

Thanks to the synthesis of these successful versions and the new components developed for the growing demand for High Performance, Reliability and Flexibility, Eurosicma has introduced in the market this machine.

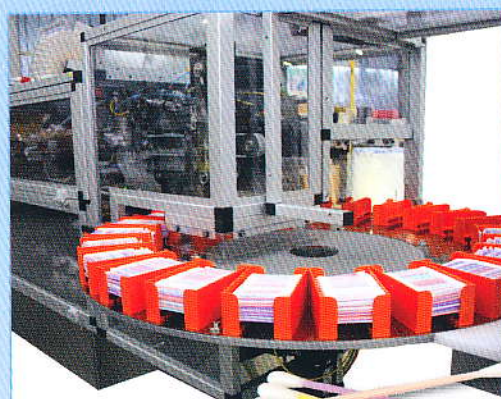
The Euro P8 is fully electronic and uses a PC and servomotors technology.

Every function is electronically controlled by the operator on the machine screen that allows also for the quick change of the size and materials parameters, as well as for the machine adjustments.

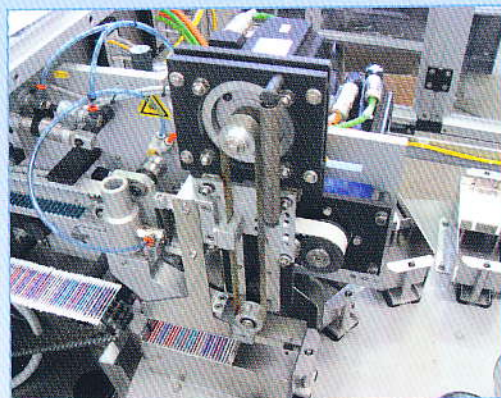
The Euro P8 is ideal for the production of cotton-swabs in different shapes and is available in different configurations described in this brochure.



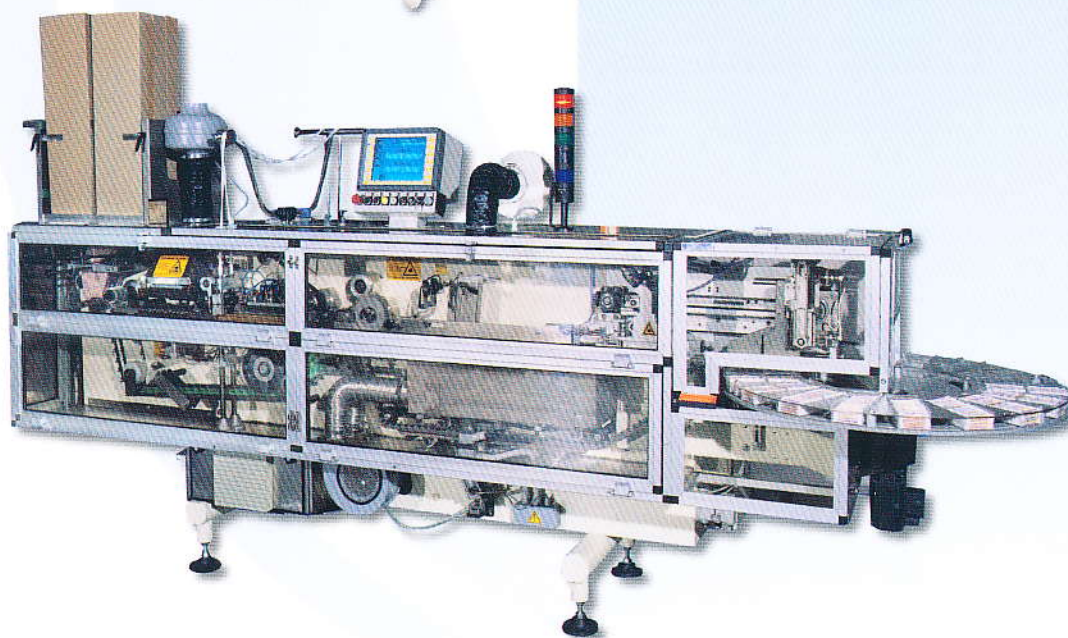
Selecting device detail



Turn table Mod. BT



Servomotorized deposit unit



EURO P8 PLASTIC BOX

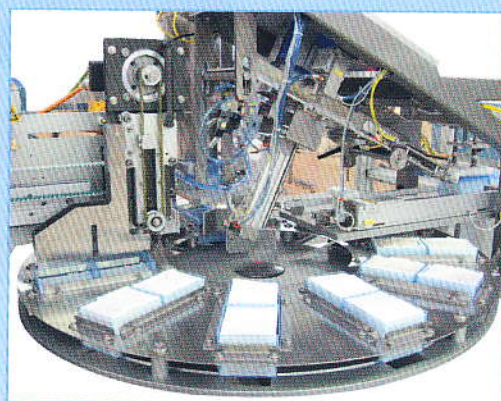
The infeed device for this model of the Euro P8 has been designed and projected in order to feed cotton swabs in plastic boxes, and to close them with their relevant lids in a fully automatic cycle.

This device is composed by a turn table disc divided in 12 buckets. It is driven by a brushless motors and synchronized electronically with the Euro P8.

Beside the turn table disc, there are four different stations. The first station is a double vertical magazine from where the empty boxes are collected 2 by 2, and deposited onto the rotating disc.

In the second station the empty boxes are fed with the required number of cotton-swabs: in the third one the filled boxes reach gradually the ejection station where the lids are automatically applied.

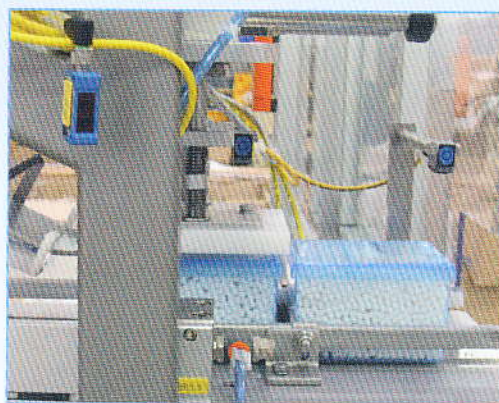
In the fourth and last step the complete boxes are labelled in tamper-proof way.



Plastic box infeed unit



Servomotorized deposit unit



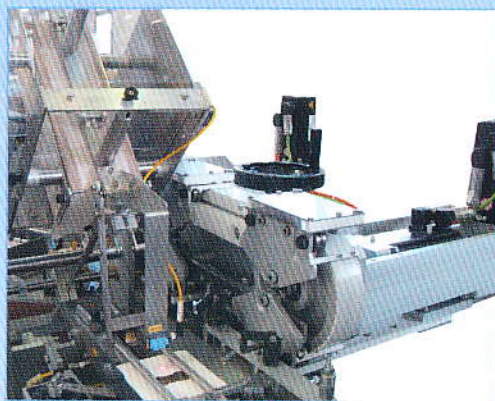
Filled and lided box exit unit

EURO P8 CARTON BOX

In the model of the Euro P8 designed for packing cotton-swabs into **carton boxes**, the storage unit is composed by a series of supports with specific dimensions able to carry the pre-shaped carton boxes. Thanks to a movable suction arm, the carton boxes are taken from the storage unit, opened and moved onto the working bench.

The opened carton boxes are then filled with cotton-swabs through the shuttle device. This specific unit can handle the cotton-swabs in order to have the layers perfectly compacted and reducing consequentially the boxes dimensions.

The filled carton boxes are then moved through the different forming stages where the sides are glued and folded.



Carton box storage and feeding unit



Shuttle device



Automatic selection unit



EURO P8 CANISTER

In the model Euro P8 designed for packing cotton-swabs into **plastic round canisters**, the empty canisters are collected one by one into a timing disc that brings them into the filling station.

Here, a robot ("hand") collects the cotton-swabs from the turn table of the Euro P8 and filled the canisters.

After this phase, an automatic station for the lids is provided. The system is fed using a centrifugal disc that aligns the lids and, through a vibrating hopper, they are deposited onto the canisters.

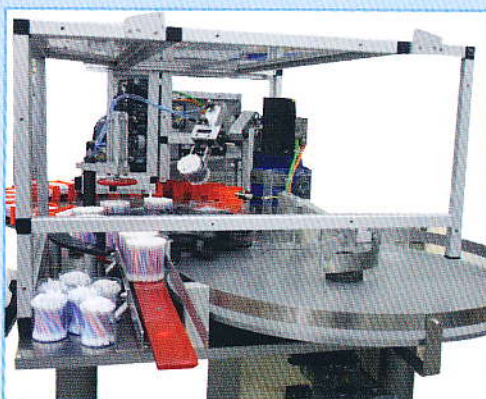
This system is equipped with an electronic control that checks the presence of the lid, and stops the line in case of non-detection of it.

The complete canister slides under a roller which presses the lid and closes the final canister.

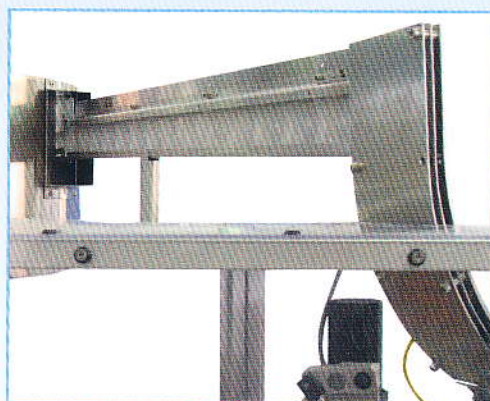
A further station is available eventually for labels.



Pick-up robot with brushless motor detail



Filled and lided canister exit unit



Detail of lid feeder



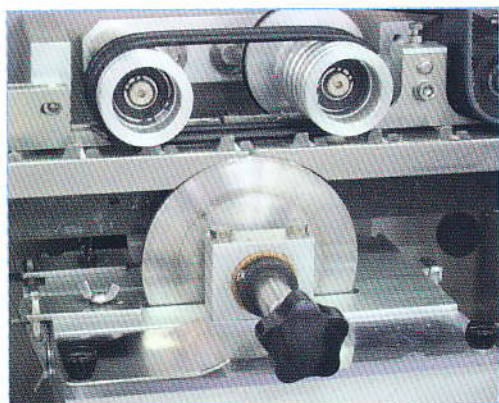
eurosicma™
packaging solutions

DETAILS

**Sticks infeed double
hopper. Up to 8
boxes storable**



Sticks phasing wheel



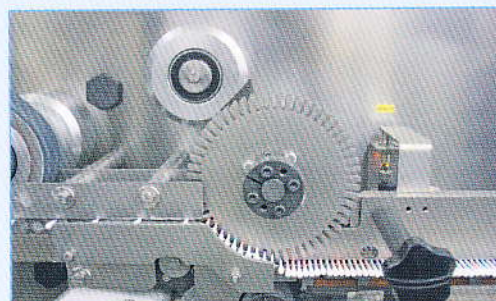
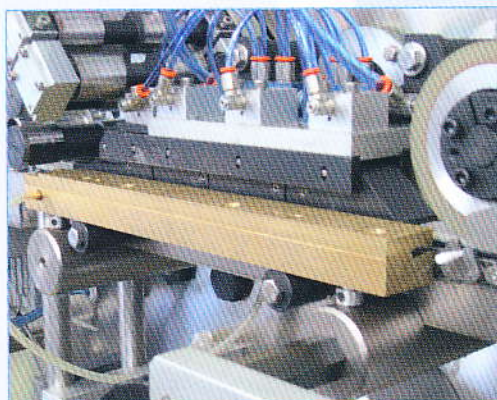
Glueing unit



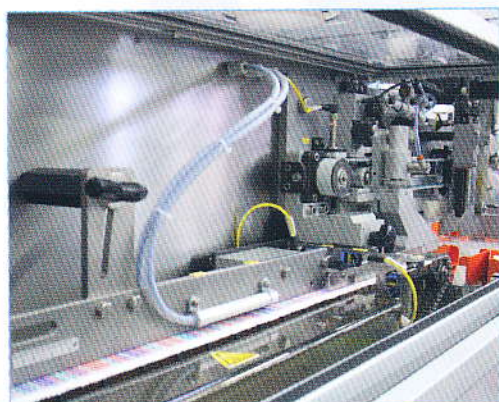
Fusing unit



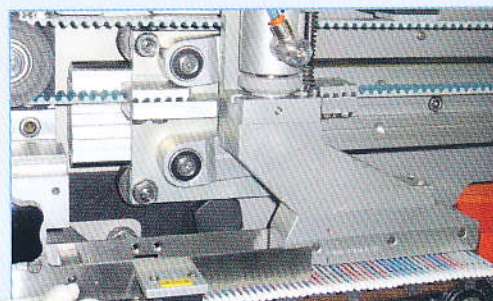
Forming



Cotton swabs pitch reduction wheel

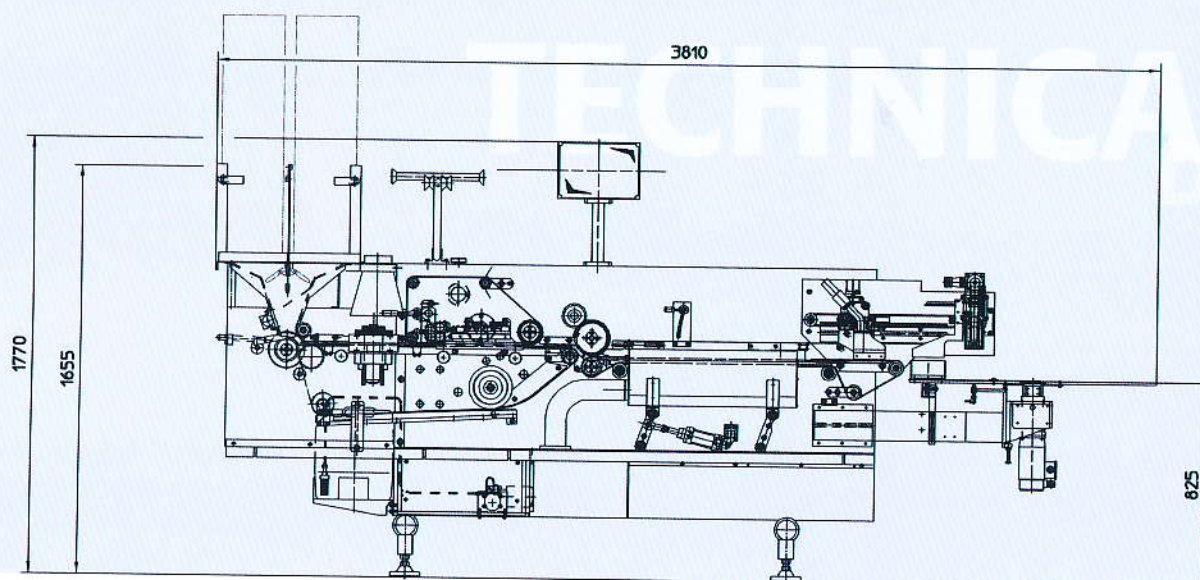


Drying unit



Cotton swabs pick-up vacuum head





IN THE STANDARD VERSION, THE MACHINES ARE COMPOSED BY:

- Electronic forming machine Mod P8
- Fusing or gluing unit for cotton anchorage
- Turn table disc for manual collection of cotton swabs Mod BT

TECHNICAL DATA

Stick material:	Polypropylene, polystyrene, paper, wood and bio-degradable
Cotton rope:	Fiber length from 10 to 30 mm - Weight from 1,2 to 4g/m. depending on the bud shape
Solution:	As per Customer's specifications
Stick dimension:	Length from 73 to 76 mm +/- 0,5 - Diameter from 2,4 to 2,8 mm +/- 0,1 to be specified and sampled
Bud shape	Standard, Safety, Beauty and Flat (on request)
Number of swabs per layer:	up to 50
Number of layers:	up to 15
Product Speed in the basic version:	up to. 3.000 pcs/min (depending on materials and cotton anchorage)
Installed power:	Kw 10
Air consumption:	approx. 0.5 m ³ /min. - 6 bar/0.6 MPa
Voltage:	400 V. - 50 HZ - 3PH standard (others possible upon request)
Solution tank:	20 l
Machine dimensions with turntable:	3810 x 1310 x 1770 mm
Free space:	250 mm on adjustable feet
Net weight:	approx. 1.200 Kg

OPTIONS

- Automatic infeed and packing unit for square/rectangular plastic boxes
- Automatic infeed and packing cartoning unit
- Automatic infeed and packing canister filling system Mod. BF
- Semiautomatic polybag unit
- Automatic infeed and packing blister packaging unit Mod BS
- Cotton swabs drying unit
- Mirror version available



eurosicmaTM
packaging solutions

Via Michelangelo Buonarroti, 4/6
20090 SEGRATE - MILANO - Italy
care@eurosicma.it - www.eurosicma.it

Care Equipment Division

Tel. +39 02 21896 402 - Fax +39 02 269529 90
e-mail: care@eurosicma.it