HIGH SPEED COTTON SWAB MACHINE

FEATURES:

Production Capacity
The production capacity of the CF2 machine ranges from 200 to 3000 pcs/min. The upper limit applies to standard ear-cleaning cotton swabs.

Materials
Stick
- Types: polyethylene, polypropylene, polystyrene, paper, wood, corn starch.
- Dimensions: length 72 - 160 mm; diameter 1.8 - 4.0 mm.

Fiber
- Types: 100% cotton, cotton-rayon blend or mixture with rayon.
- Format: sliver from 1.2 to 4.0 g/m.

Accessories
- Safety protection cabin
- Additional forming plates for different tip shapes.

Dimensions and weight
- Installed, without control panel L1180xW550xH1525 mm; weight 510 kg.
- In wooden box for shipping (including control panel): L2900xW850xH1780 mm; weight 660 kg.

Continuing improvement policy
It is Strema's policy to pursue the continuous improvement of all its products. As a consequence, variations from data shown above may occur.

CF2

GENERAL DESCRIPTION

The CF2 cotton swab manufacturing machine is derived from CF1, based on years of research and development at Strema and acknowledged world-wide as the leading machine in this field.

CF2 was developed for those manufacturers who have:
- Manual or proprietary packaging processes, or
- a production cycle including oven drying before packaging.

In these cases, the CF1 features related to drying and to the mechanical interface with the automated packaging are not needed.

The result is a simplified machine, optimized for producing cotton swabs at even higher speed than the CF1.

CF2 has been designed to meet the most demanding requirements from manufacturers of:
- Cotton swabs for ear care & hygiene (standard, baby, safety, etc.).
- Cotton swabs for cosmetics.
- Swabs for the industry.
- Swabs for medical applications.

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TECHNICAL SPECIFICATIONS

SUBSYSTEM	STANDARD	OPTIONS
Configuration	▪ Process moves from left to right facing the machine (as in picture). Right version.	▪ Left version
	▪ Epoxy painted body, colour gray RAL 7032	▪ Body in customer's specified colours ▪ Body in stainless steel sheet
Stick Feeder	▪ Capacity 5 stick boxes on one row	▪ Capacity 2 boxes on two row for mixing colours ▪ Capacity 10 boxes on two row for mixing colours
	▪ Lever for manual on-off control of stick supply	▪ Switch for on-off control of stick supply
	▪ Signalling for minimum level in stick feeder	▪ Automatic anti-clogging device ▪ Detector for missing sticks on chain
Stick gripping Tip-fusing unit (for plastic sticks)	▪ Manual or automatic on-off operation ▪ Adjustable thermostat with display ▪ Detector for failure of heating elements ▪ Melting limiting device when the machine is off	
Glue unit (for non-plastic sticks)	▪ Revolving disk type ▪ Adjustable glue skimming device ▪ Manual or automatic on-off operation	
Cotton feeder	▪ Differential speed double roller couple ▪ Knob for fine setting of cotton supply ▪ Photo-electric detector for interruption in cotton sliver feed ▪ Vacuum pump for continuous cotton feeder cleaning	
Head forming	▪ Belt-based stick rotating device ▪ Brass forming plates ▪ Fixing agent peristaltic pumps with adjustable flow rate and swich for manual or automatic on-off.	▪ Brass forming plates, open type
Power and control system	▪ Main motor, variable speed, operated through inverter ▪ Maximum torque safety feature ▪ Speed setting knob and display ▪ Manual advancement of chain by hand wheel during set-up or fine tuning ▪ Signalling of thermal overload switches	