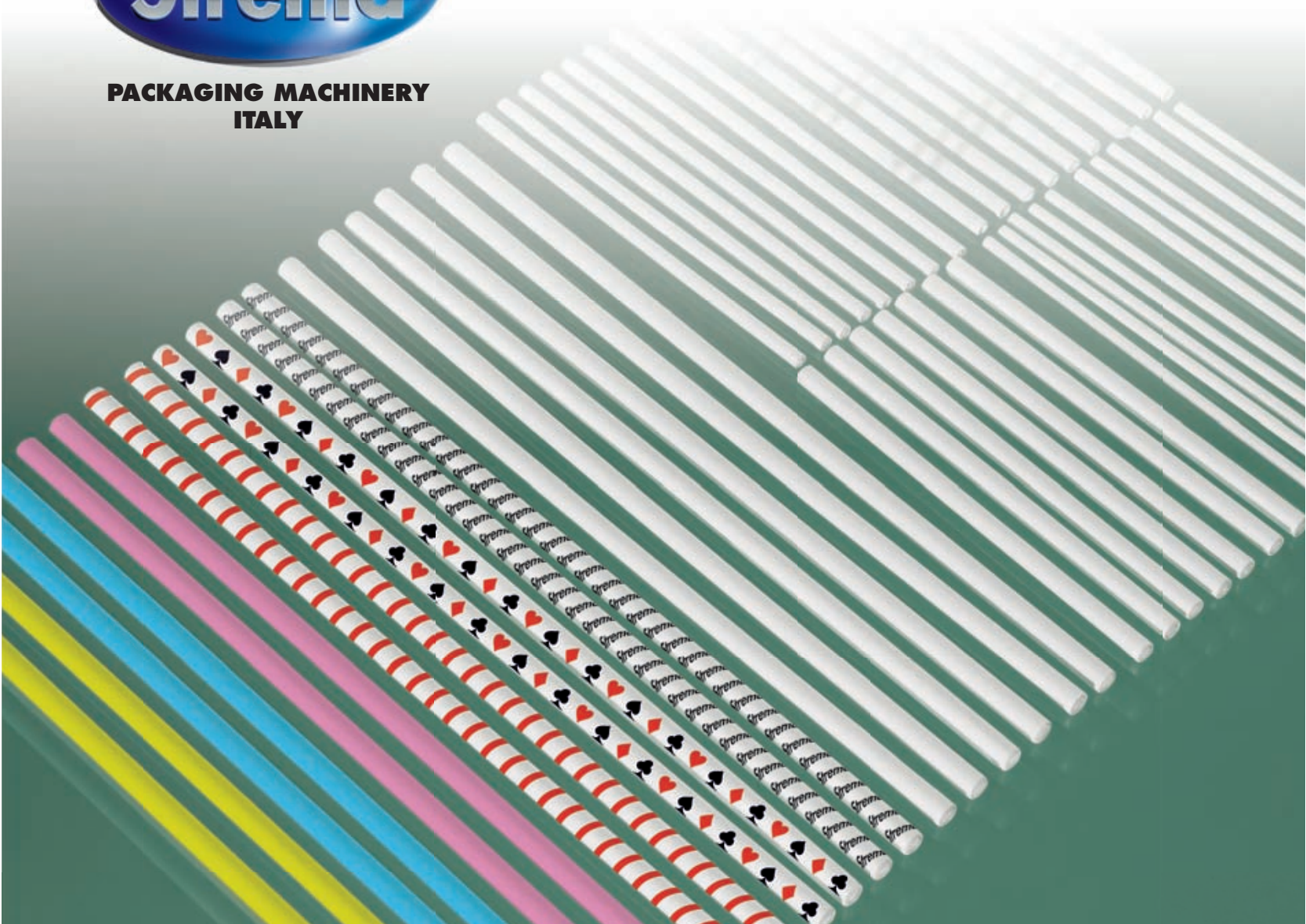




**PACKAGING MACHINERY
ITALY**



STREMA **BC09**

PAPER STICK MANUFACTURING MACHINE



Cotton
swab



Chupa
lollipop



Classic
lollipop



Chocolate
cake stick



Spun sugar
stick



Flag
stick



Fan
stick



Party stick
Umbrella stick



STREMA BC09

PAPER STICK MANUFACTURING MACHINE

FIELD OF APPLICATION

The Strema BC09 is a machine for the entirely automatic production of paper sticks. The packaging of the product is semi-automatic in cardboard and metal boxes. It is capable of producing sticks by different diameters and different lengths (see the data sheet). The paper used can be white, coloured or printed with decorations or even with customized logo. The sticks produced by the BC09 are used in the healthcare and cosmetic industry for manufacturing ear-cleaning and cosmetic swabs, in the medical industry for manufacturing medical applicators, in the confectionery industry for manufacturing lollipops, sucker sticks, party sticks. Other sectors may follow.

DESCRIPTION OF OPERATION

The BC09 is composed of several units and control and operating devices. Their main characteristics, as well as their operation, are described here below and in the paragraphs that follow.

• Reel-holder unit

This is made out of a hoist, a reel fixing system and a paper braking/tensioning unit. Its function is to feed the machine regularly.

• Automatic paper alignment device

This guarantees perfect and constant positioning of the paper with respect to the machine axis.

• Stressing bar

The function of this bar is to render the fibres of the material less consistent so that they wind more easily around each other.

• Feeding and cross-cut station

This is made out of four rollers, a set of gears and a cutting blade. Thanks to this unit, the reel of paper is fed and cut to size.

• Winding and longitudinal-cut station

A rotating drum, a jaw and a set of blades make up this station in which the stick is formed.

• Moistening and bonding system

Before they leave the winding station, the sticks are moistened by natural water so as to permit bonding. No need of glue.



• **Extraction bar**

Facilitates the detachment of the sticks from the drum.

• **Drying unit**

This ensures perfect drying of the product.

• **Double ordered orientation station**

Composed of a series of toothed belts, this transfers the sticks in an orderly manner to the packaging unit.

• **Vibrating box holder for packaging**

This is an aid for the manual filling of the boxes.

OPERATING AND CONTROL DEVICES

The main ones are:

- Reel hoist control
- Winding jaw closure control
- Water flow rate adjustment
- Paper feed speed control
- Product feed speed control
- Drying temperature regulation
- Reel empty control
- Paper blockage control

ACCESSORIES AND OPTIONS

The machine can be provided with accessories and options on request; the main ones include:

- Specific formats
- Automatic packaging unit
- Structure in stainless steel or in a different colour
- Remote diagnosis by modem (tele-servicing)
- Customized features



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DATA SHEET

Dimensions (mm)	4050 wide x 1760 deep x 1670 high.
Weight (kg)	1,300.
Electric power supply (V)	As requested by the user.
Installed power (kW)	13.
Compressed air pressure (bar)	No compressed air is required.
Compressed air consumption (litres/cycle)	No compressed air is required.
Production capacity (pcs/minute)	3000 an indicative figure referring to dia. 2.5 mm, length 73 mm. <i>Real performance depends on many factors such as, for example, the dimensions of the sticks, the quality and characteristics of the raw material...</i>
Dimensions of the sticks (mm)	Dia. from 2.0 to 3.5 with lengths from 68 to 80. Dia. from 3.6 to 6.0 with lengths from 81 to 305.
Maximum paper reel dimensions (mm)	Width 300, dia. 1300. <i>The width can be increased on request.</i>
Number of operators.	One operator. If automatic packaging is used one operator is sufficient for two machines.

The data indicated in this catalogue are not binding.

We reserve the right to make changes or improvements without any obligation to provide notice.



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