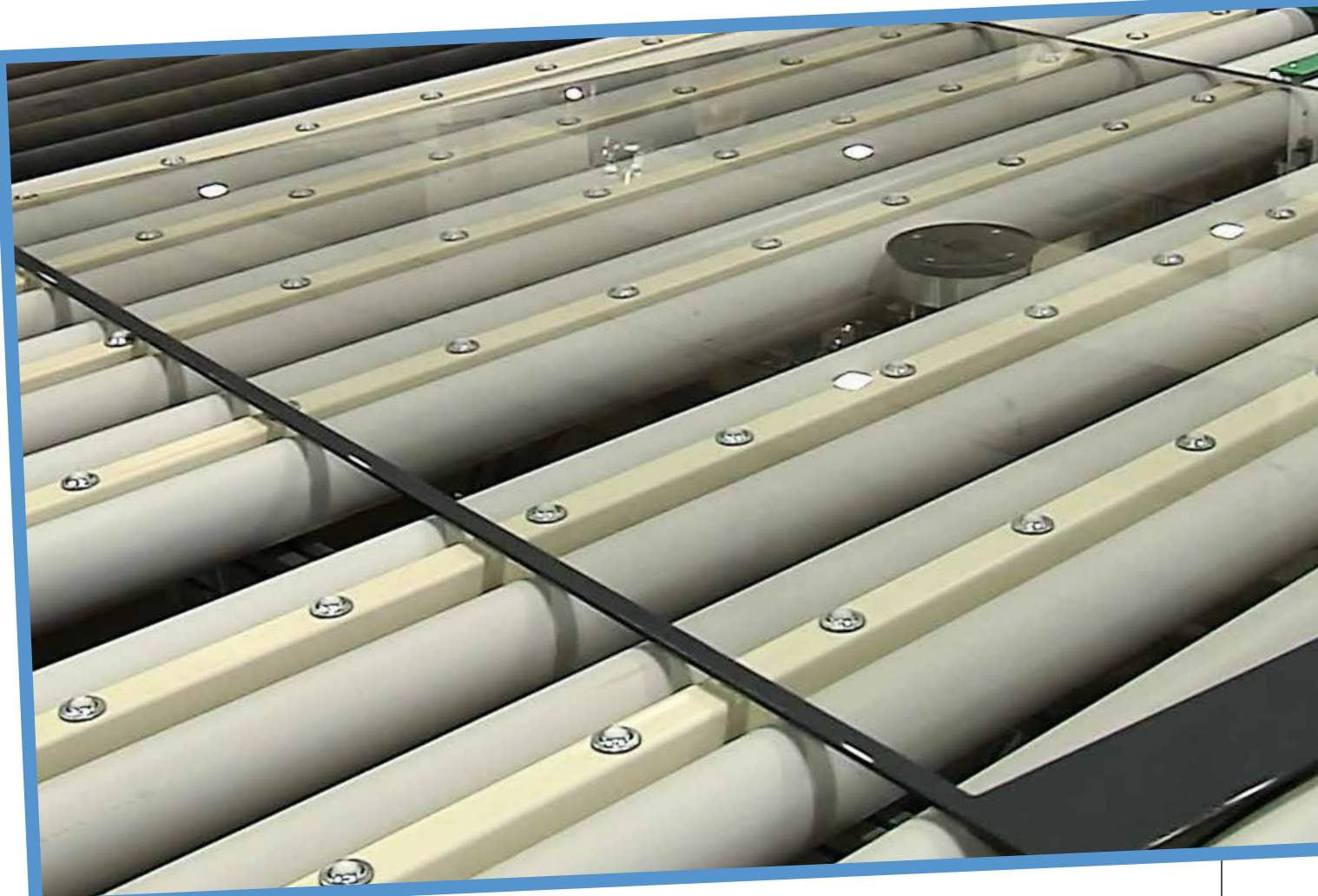


Perimeter varnishing of flat glass sheets with GLASSLINE from ROLLMAC

The whole range of Rollmac systems aims at innovative, functional and customized solutions based on the customers' needs. The popular Rollmac machines are COLORGLASS and MULTIGLASS, used for the varnishing of glass sheets with thickness up to 25 mm and with width up to 2600 mm, and the roller machine GLASSLINE for flat glass edge enamelling.





GLASSLINE is Rollmac's machine made to varnish the four edges of flat glass sheets by means of a steel engraved cylinder, both with ceramic glazes or cold varnish; it responds to the demands of construction and furniture companies that need specific processing techniques on the edges of glass flat sheets.

The engraved roller quickly applies a uniform quantity of enamel, up to 250 g/sq.m. on any type of flat glass, with thickness from 2 to 25 mm and scopes up to 2600 mm. The width section can range from a minimum of 5 to a maximum of 300 mm and the machine is easy to use thanks to the electronic user panel.

This solution allows to produce frames with four per-

fect edges: each band can have a different width, perfectly parallel to the edge, assuring no waves, gradients or overflows. The machine is specifically designed to eliminate any drop, overflow or excess of application on the entering edge of the sheet.

THE GLASSLINE SYSTEM

The system is made up of three main components: the entry roller conveyor, the coating module with the engraved roller and the exit roller conveyor. To guarantee straight enamelling on the bands, the machine provides a modular system and a removable side roller conveyor for the finishing of particularly long sheets. This operation is performed in four steps, with

the return and 90° rotation of the sheet between a paint application and the next. Finally, the sheet is sent to the oven to dry. The reverse roller enamelling guarantees a perfect distribution of enamels and paints.

ASR - AUTOMATIC SHEET ROTATION

A further option for GLASSLINE is the ASR device (Automatic Sheet Rotation). This can be added to the entry roller conveyor and it is useful for the complete automation of the glass sheet rotation and positioning operations.

The operation is performed in four fully automatic steps:

1. detecting the centre of sheet to be printed
2. positioning the sheet

in contact with the side guiding list (lining-up)

3. waiting for the sheet to return
4. locking the sheet, rotating it by 90° and repositioning the sheet in contact with the side guiding list (lining-up).

After all four sides have been painted, the sheet is then sent to the oven to dry.

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