



NEW

PATTERN CONTROL SYSTEM

BÜHNEN
ADHESIVE SYSTEMS

Pattern control system

The pattern control system enables **automated operation**. It autonomously controls the solenoid valves on the application heads. The control system allows accurate and consistent hot melt adhesive application. The application is performed by calling up recipes or **programme variants**. The recipes make changing of the products to be bonded on the production line **significantly faster**. For example, when changing the cardboard packing material on a packaging line, there is no necessity to laboriously change the settings of the application heads. **Up to 100 recipes** can be programmed.

Operation of the pattern control system is carried out via a **7-inch touch screen** and is intuitive. The control system is **compatible with all BÜHNEN tank systems** of the **HB 4000, HB 5010 and HB 6000** series and **application heads**. Application of the adhesive is either time- or distance-controlled.

Use of the pattern control system can **save up to 30% hot melt adhesive**, as the adhesive can be applied in a series of small dots or beads, instead of a single long bead.



Advantages and equipment features

- › Precise and consistent hot melt adhesive application
- › Intuitive operation via 7" touch screen
- › High level of compatibility with all existing BÜHNEN application systems (tank systems and application heads)
- › Programming of up to 100 recipes
- › Time-controlled or distance-controlled adhesive application (Rotary encoder is additionally required)
- › Easy integration into existing systems
- › Up to 30% saving in hot melt adhesive by dot application
- › Simple plug-in connection from the linear path control system directly to the application head
- › Separate circuit a direct connection to the parent machine or the hot melt adhesive tank system is not required
- › Six inputs for reflex light sensor (depending on the model)
- › Six outputs for the activation channels of the solenoid valves (2 outputs per channel) (depending on the model)
- › Two 0-10 V analogue outputs for regulation of the pump pressure of the hot melt adhesive tank system
- › Rotary encoder input

Technical Data	Pattern control system
Dimensions	312 x 224 x 216 mm
Output voltage	24 V
Operating voltage	220-230 V, 50/60 Hz
Top speed	600 m / min

