

Semi-automated adhesive applying machine KAM VAN-Portal Mini



Adhesive applying machine for large panels **KAM VAN-Portal Mini** is designed for precisely metered application of two component adhesives with semi-motorized applicator along the working table width.

Adhesive extruder **KAM VAN-Portal Mini** consists from:

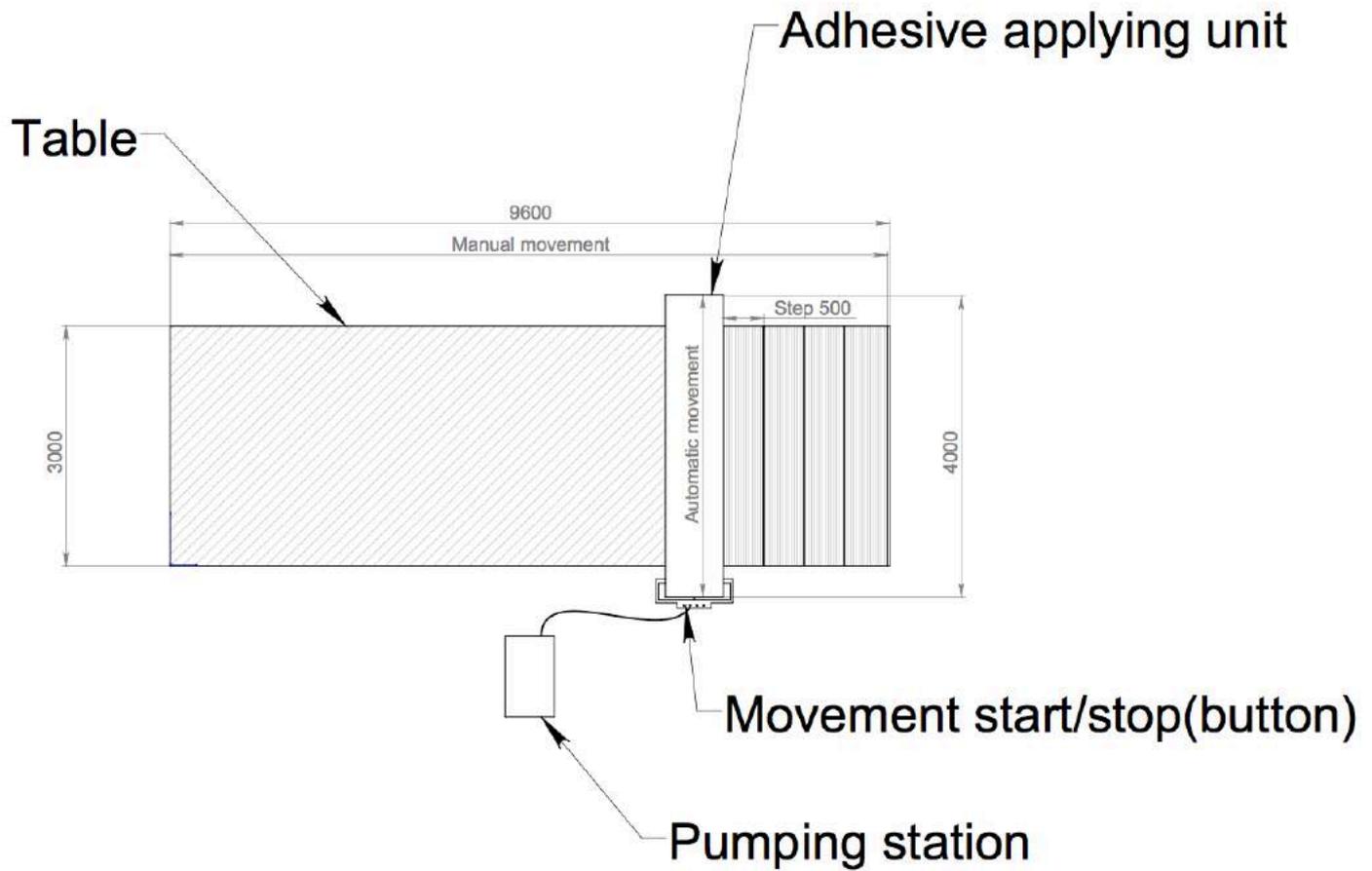
1. Pumping station with two high accuracy dosing gear-pumps, one pump for each component of PU adhesive system.
2. Special frame-holder for adhesive tanks.
3. Set of connection pipes.
4. Stationary assembling table.
5. Moving adhesive applying portal.
6. Control panel.

The application portal is installed on the guide rails of the table.

The movement along the length occurs manually by moving the portal from now fixed point to another, distance between the stop points is 500 mm. Maximum applying length of the panels is 9000 mm.

The movement along width occurs automatically by pressing a START button on the portal. There is a measurement line with movable sensor whereby the width of application is set. Maximum applying width of the panels is 3000 mm.

The application head is located on distance 200 mm above the upper surface of the working table. Maximum applying thickness of panels is 180 mm.



Glue applying movable station is equipped with high-precision adjustable dosing gear pumps, driven with gear-motors, controlled with frequency converters with a vector system adjusting parameters. The control system allows to adjust the precise adhesive applying rate, leveling the viscosity difference.

Adhesive applying unit consists of the static mixer and adhesive applicator.

Components are mixed in **static mixer** directly before applying.

Manufacturer provides ten replaceable static plastic mixers (with specification), and four adhesive applicators that have demountable structure, consisting of metal housing and demountable P.T.F.E. core.

Machine is equipped with cleaning washing device for static mixer. One cleaning cycle needs not more 0,5 liters of solvent.



Pumping Station* is equipped with stainless buffer tanks that allow to finish application process for panel with empty main tanks. Level sensors, connected to main control panel will send the alarm signal to control panel in case of cessation the feeding of adhesive components from the main tank to the buffer tanks. The next cycle starts only after replacing the empty main tanks.

Special frame-holder for adhesive tanks with volume:

Comp A - 200 L barrel;

Comp B - 200 L barrel.

*



* there will be a frame-holder for two 200 L barrels and a view of the pumping station will be different from the station on the picture.

Control panel with preset several positions of the adhesive consumptions.

Language of the operator screen interface - Polish.

Operator is able to control following parameters on the panel:

1. Speed of the movement of the applying head.
2. Adhesive consumption.
3. Turn on/off all actuators in manual mode.
4. Input parameters of the adhesive density.
5. Glue counter.
6. Error messages.

There is a slot in the control cabinet for connection machine to personal computer. If internet access is available it is possible to control remotely parameters of machine via internet.

