Gluestream SIP Panel adhesive applying machine SPL-9 "Optima"
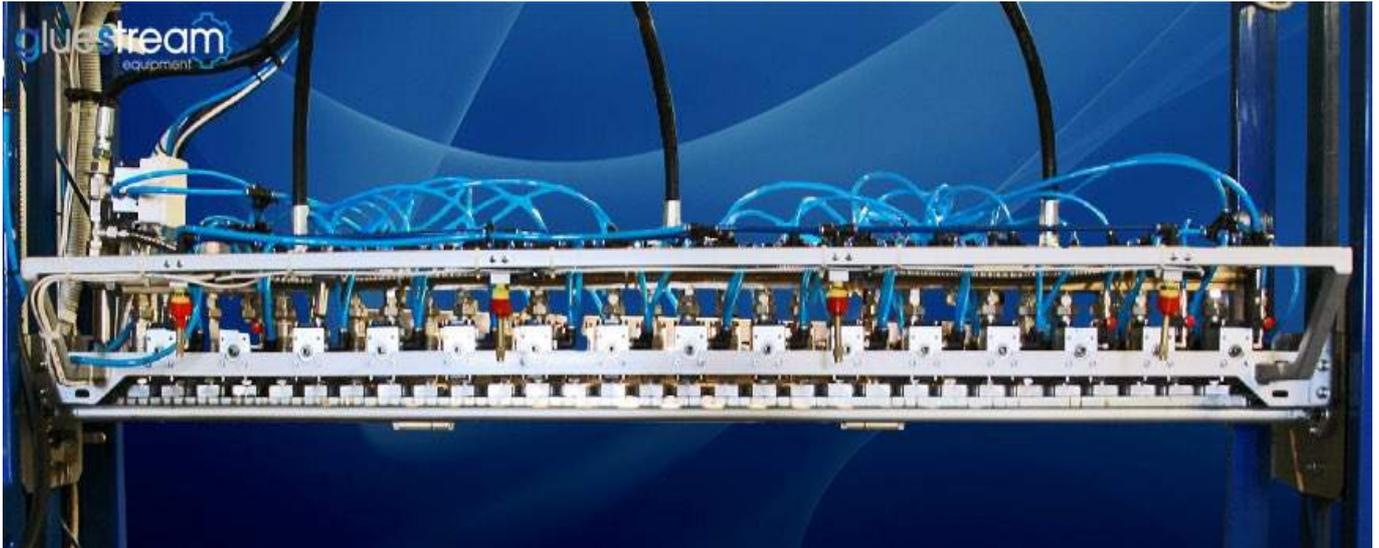

Adhesive extruder SPL-9 is designed for automatic applying 1-C PUR adhesives on the upper surface of the bonding substrates.

Glue applicator machine has several modifications:

◉ with stationary platform;
◉ with movable platform on the wheels;
◉ with motorized movable platform, installed on the rails.

video of the line operation https://www.youtube.com/watch?v=gq-pyrQrdO8&t=11s
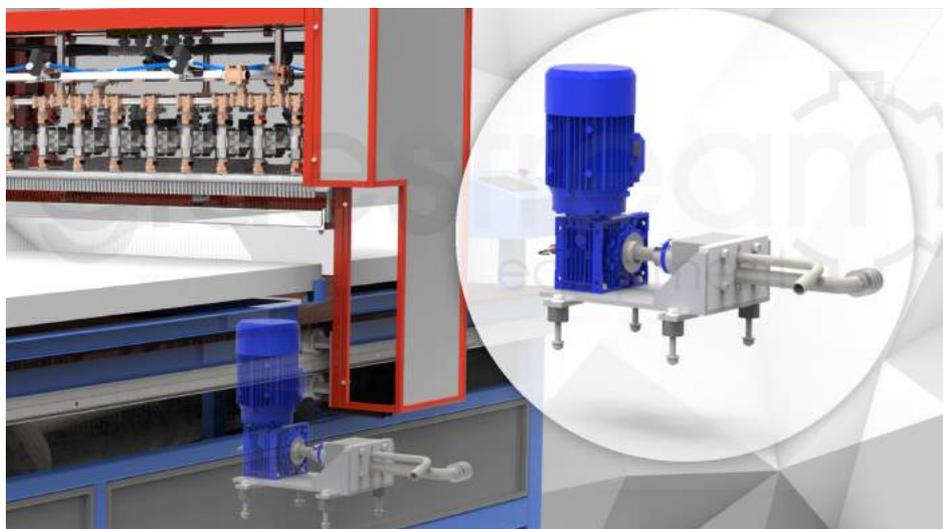
Adhesive applicator KAM-PRO series is equipped with the two-way valves, operated pneumatically, and a special tray with shutter liquid, which prevents a start of adhesive reaction inside of the nozzles of the applicator. The shutter tray closes in two ways:

- automatically, in case of the power failure or machine stop more than one minute (this option can be adjusted according with the Open Time of the used adhesive)
- manually, by pressing the appropriate key on the control panel.

High accuracy of the positioning and automatic control allows you to eliminate the loss of the adhesive.

The design allows operation in both automatic and manual modes without current maintenance of the adhesive applying unit. No need to replace the consumables.

The adhesive is fed with a high precision dosing pump which allows to apply of the accurately determined amount of adhesive (+/- 5g/m2), leveling difference of the adhesive viscosity. This allows to use 1-component polyurethane adhesives of any manufacturers without reconfiguring the hardware.

High accuracy of applying of PUR adhesive with adhesive extruder:

GLUESTREAM glue extruder equipped with sensor control panels:

The control panel is equipped with a controller, which greatly expands the possibilities of setting up a flow rate of adhesive and allows diagnosing the system right from the control panel. Operator is able to set the needed running speed of the carriage and the necessary glue consumption, directly from the control panel.

There is a statistic information about glue consumption for certain period.

Automatic equipment and software represents the wide possibilities for controlling and monitoring the manufacturing process.

Gluestream machinery is equipped with remote access module that provides the customer with 24/7 online support via internet. Operator's screen interface can be in English or in other required language.

Technical specification of Gluestream adhesive extruder SPL-9

№	Name of parameter	Value*
1	Type of adhesive	**One component PU adhesive**
2	Viscosity range, mPas (Brookfield RVT)	3000…15000
3	Adhesive consumption, gram/m2	80-250
4	Gluing width, mm	1250*
5	Step of glue tracks, not more than, mm	7-10
6	Gluing length (programming step - 1mm), mm	500-3000
7	Gluing speed, m/min	15
8	Precision flow of glue, gram/m2	±5
9	Programming shutting time, sec	0-180
10	Automatic fault diagnostics	Yes
11	Compressed air pressure, bar	6-8
12	Compressed air consumption, m3/min (cyclic)	0,01
13	Electricity: Voltage, V / Frequency, Hz	380V / 50 Hz**
14	Power consumption, kW	1,5
15	Irrigation water tank, litr	25
16	Overall dimensions, mm: - length - width - high	4500 1700 1550
17	Weight, kg	1200

* declare the desirable parameters.

Please, pay attention on the parameters of available electrical networks in Your region.