

GVH112

Semi-automatic glass pane gluing machine

Gluing into the glazing rebate and casement overlap

Advantages of gluing panes

- no pad insertion necessary
- mechanical pre-priming only necessary for sashes
- slender appearance (more light in the living space)
- about 20% better insulation in profile cross section
- improved sound insulation (the glue acts as an absorber)
- better security and protection against break-ins due to improved connection between glass and sash
- glass pane units can be replaced at any time

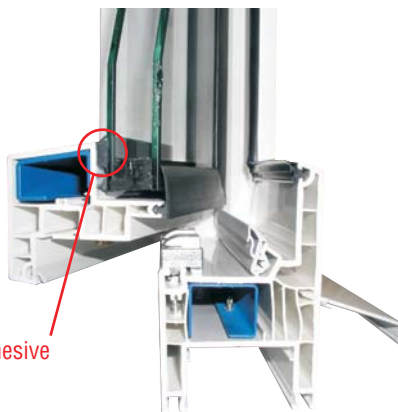


Profile cross section with glass pane glued in (Gluing in the glazing rebate)

Technical informations

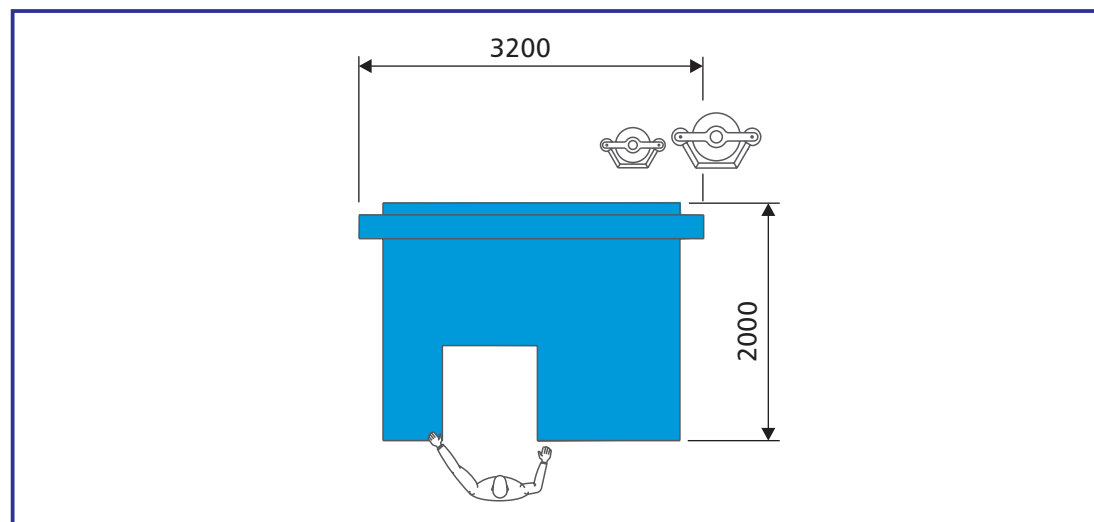
Maximum element size:	<i>based on customer requests</i>
Minimum element size:	<i>based on customer requests</i>
Maximum profile cross section:	<i>based on customer requests</i>
Minimum profile cross section:	<i>based on customer requests</i>
Machining time:	<i>about 4 minutes / element</i>
Type of glue	<i>based on customer requests</i>
Pumping and sorting station	<i>based on customer requests</i>

Other Measurements / Parameter upon request.

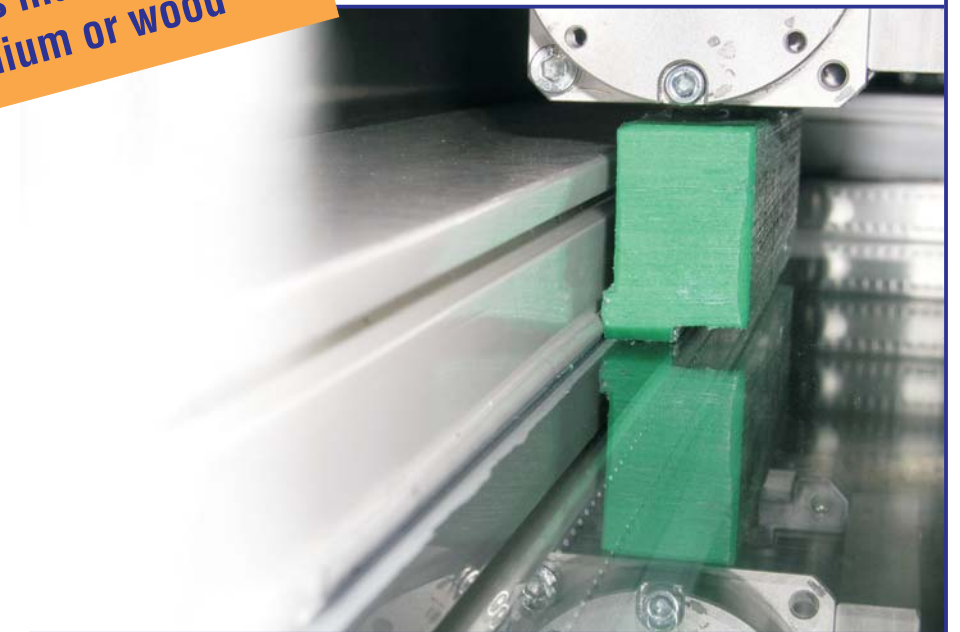


Profile cross section with glass pane glued in (Gluing in the casement overlap)

Possible configurations



For Elements made of plastic, aluminium or wood



Automation im Fensterbau

Made in Germany

GVH112

Semi-automatic glass pane gluing machine

Gluing into the glazing rebate and casement overlap

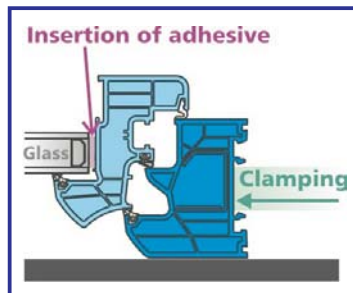
GVH112

Semi-automatic glass pane gluing machine

Gluing into the glazing rebate or casement overlap

Gluing into the glazing rebate or casement overlap combined in one system

The semi-automatic glass pane gluing machine from the *GVH112* series provides an optimal, inexpensive way to introduce the production of glued elements. Depending on the customer's production requirements, the system glues elements made of plastic, aluminium or wood into the glazing rebate or casement overlap.



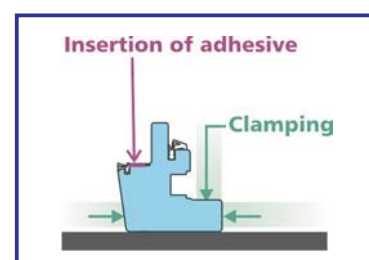
Gluing into the glazing rebate / rebate base

When gluing into the glazing rebate, the glass pane is inserted into the sash before applying the glue. The glue is spread into the area between the glass laminate and the glazing rebate / rebate base.

However, profiles that will be processed later need to be constructed accordingly. That means that the gap between the glass pane and the glazing rebate base is reduced by 3 - 4 mm to minimize the amount of glue. It's possible to reduce this gap because this gluing concept doesn't require the insertion of pads.

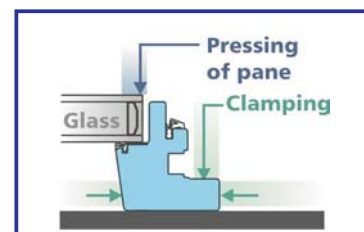
Gluing into the casement overlap

With this process, the glue is applied into the casement overlap either on the inside or the outside. The glass pane is inserted after the glue has been applied.



Applying the glue

The element that is to be glued is pushed manually into the processing position and is then automatically clamped in place. The operator starts the procedure, and the glue application



for the first side of the element begins. After the application on the first side is completed, the operator manually turns the element over to the second side and pushes it into the processing position.

The glue application for the second side then takes place automatically. After this procedure has been followed for all 4 sides, further processing such as adding glazing beads can take place.

Machine control

The most important data are displayed on a two-line readout where they can be monitored and optimized. It is not required to make data accessible.

Professional service

Just as with all other LEMUTH machines, this machine comes with the best in customer service.

Gluing affords greater stability

Gluing technology delivers a much higher level of stability. The number of subsidences or deformations is noticeably reduced. The gluing of PVC sashes in glazing rebates of up to 2 m also dispenses with the need for steel reinforcements. It is also possible to narrow the profile of the sash itself resulting in an additional savings on materials. The sash is lighter. The greater rigidity of the unit facilitates the production of larger sashes.

Extremely narrow sashes

The gluing on the casement overlap is based on a window where the casement no longer has a

glazing bead. This allows for extremely narrow sashes, since the glass more or less holds the profile. Normal insulated panes are used in this process, not multi-layered insulated panes.



Outstanding heat insulation

The glued sashes are absolutely windproof. Elements with standard glazing improve the insulation value by 20%. Windows with such good characteristics are optimal for use in passive and low-energy houses.



The all-round service from LEMUTH

guarantees security for your investment

You will receive the following services from a single source and harmonised down to the last detail

- Project management
- System planning
- Factory planning
- Construction
- Electrical project management
- Component production
- Installation
- Start-up
- Staff training
- Documentation

And included in the software field:

- PLC programming of the system control
- Programming of the industrial PC interfaces
- Network connection to the company network
- Networking the window construction system

Further LEMUTH Systems for your Window Manufacture:

Cutting and processing for PVC or aluminium
unicut200 range

Cutting for steel
Zs180 range

Vertical four-headed welder
VKS140 range

Vertical corner cleaner
EPA120 range

Glazing bar saw
ZFW300 range

Gasket insertion partially automatic in rods
DAGL110 range

Gasket insertion, fully automatic in sash and frame
DAW100 range

Manual assembly of fittings
FBM135 range

Partially automatic assembly of fittings
FBS136 / FBK135 range

Fully automatic assembly of fittings
FBA130/136/138 range
RBA330 range

Stacking
AS165 range

Bonding the pane in the element, fully automatic
Gluing in the glazing rebate or casement overlap
GVA115-FF / GVA115-FÜ range

More information on the internet at www.LEMUTH.com or by telephone +49 3693 9412-0