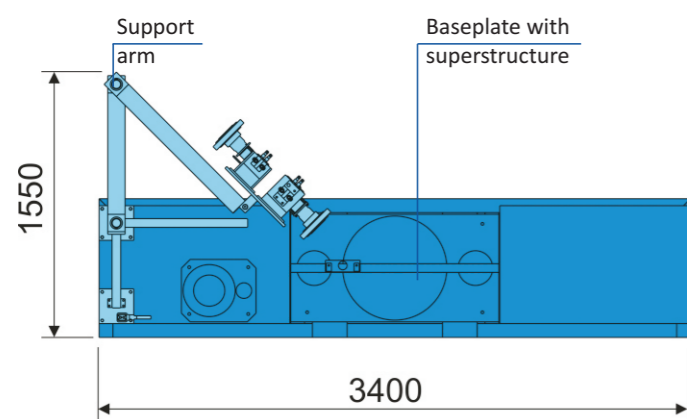


Technical information

Window element min.:	customized
Window element max.:	customized
Application of:	1-component adhesives 2-component adhesives silicone-containing adhesives
Adhesive application:	into the glazing rebate into the casement overlap
Adhesive storage:	20-l-Hobbock 200-l-barrel



The all-round service from LEMUTH - guarantees security for your investment

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

- Project management
- System planning
- Factory planning
- Construction
- Elektrical 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



998_328 Prospekt GVM114_2014_englisch - Technical modification reserved



For elements made of:

✓ PVC

✓ Wood

✓ Aluminum



GVM114

Glass pane gluing station

The glass pane gluing station *GVM114* has been designed as the entry into the manufacture of glued elements and optimized for the application of two-component adhesives. To meet the customer's manufacturing requirements the gluing station is capable of gluing sashes or complete window structures made of plastics, aluminium or wood. The gluing nozzle is manually guided so that the adhesive can be applied into the glazing rebate or the casement overlap.

Although the manual gluing station is mainly used as an entry into gluing, its parts can nevertheless be reused later on in an automatic gluing system. Thus the pumping equipment, the LEMUTH *DynaFlow* metering station, the industrial PC and the supply hoses can be reused in a fully automatic version of a gluing machine.

The control

A Beckhoff industrial PC is used for the control of the metering station. This PC controls all parameters of adhesive metering and can also be used as a monitoring unit. All process-relevant parameters are monitored and recorded. This allows all parameters of a glued element to be checked later and at any time. The control is programmed with Windows XP. Remote maintenance of the systems is possible via the Internet.

Boom to carry the adhesive hoses

The hose can be easily guided throughout the entire working area by a cantilever arm attached to the boom.

DynaFlow NC mixing unit

with servo-driven gear pumps and pressure control

LEMUTH *DynaFlow*

The specially designed LEMUTH *DynaFlow* metering station is the main part of the gluing station. Like the industrial PC, the metering station is mounted on a base frame. The adhesive delivered by pumps is transported by the barrel pumps to the metering station, where the pressure of the adhesive is reduced by pressure reducers and where afterwards the optimum mixing ratio of both components is adjusted by gear pumps that are driven by servomotors. By reducing the pressure of the adhesive upstream of the gear pumps, the operation of the gear pumps is almost wear-free. Both components are then transported in an optimum ratio to the application nozzle where they are mixed.

Sturdy base frame

to carry all parts of the gluing station

Application gun

An application gun fitted to the hose ends is used for mixing the two-component adhesives. The two substances are mixed by a replaceable one-way PVC mixer.

Pumping equipment

