

BARKVALL 4700

– Automatic dispensing system
for sandwich panel production

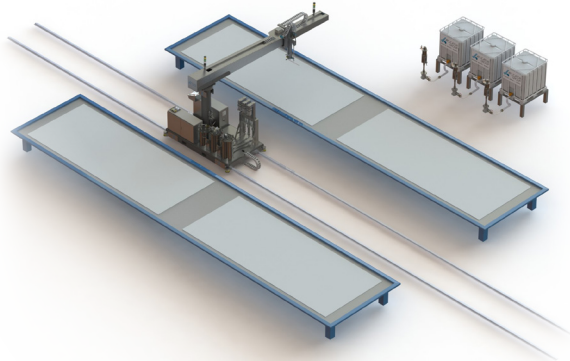


Barkvall 4700 is an automatic machine system for pumping, dosing and dispensing 3-component adhesives such as Polyurethane. The system is designed for sandwich panel production, commonly used when producing truck bodies, caravans and Structural Insulated

Panels (SIP), where an even and accurate adhesive spreading is required. Barkvall 4700 helps to increase production speed, reduce material waste and improve the working environment for the operator.

BARKVALL 4700

– Automatic dispensing system for sandwich panel production



DUAL-SIDED WORKSTATION

The machine moves on rails and consists of an adhesive station and a metering and dispensing unit. The rails make it possible to extend the working tables to allow for future upscaling production. Due to the arm with 180° turn function, it's possible to have working tables on both sides of the machine. The arm is rotated with a wireless remote control and the operator can work at the table as the machine moves forward or is operating on the opposite table.



DYNAMIC MIXING RATIO

With the Barkvall 4700 it's possible to increase production speed due to the servo-controlled metering pumps with dynamic mixing and workshop temperature control. This makes it possible for the operator to set an open time for each gluing layer and therefore shorten the press time, making it more cost effective.



APPLICATION OF ADHESIVE

The adhesive is applied with a moving spreader according to a chosen recipe. Each recipe can be stored and are easily accessed when needed on the operator panel.

The spreader and mixer are disposable and can be thrown after use. Thus, the operator never has to handle solvents to flush the system and end of day cleaning is quick and simple. If a metal spreader, with a solvent flushing system, is desired the machine can be equipped with this solution instead.

BARKVALL 4700

– Automatic dispensing system
for sandwich panel production

VERSATILE MATERIAL HANDLING

It's possible to use both 200L drum and/or IBC container for the material handling. The system has automatic control of material flow and coat weight.



STANDARD FEATURES

- Dynamic mixing ratio with temperature control
- Electric pump drive (servo driven pumps)
- Disposable mixer and spreader – No solvent needed
- Holding tanks
- Wireless remote control
- Operator panel, touch screen (14" Kentima)
- Recipe handling with option to have;
 - Multiple layer recipe
 - Multiple panel recipe
 - "Window area" recipe
- Low-level monitoring
- Log-function
- Auto-fill function
- Countdown clock with pot-life warning
- Purge function
- Automatic flow and coat weight control
- Pressure alarm
- Two gluing patterns; diamond or string
- Safety system with lasers
- Factory Accept Test (FAT) before delivery

OPTIONS

- Agitator, to prevent sedimentation
- Heating system
- Steel spreader with solvent flush unit

TECHNICAL DATA

| | |
|-----------------------------------|--|
| Mixing ratio: | Dynamic |
| Mixing accuracy: | ±2% |
| Air pressure requirement: | 6 bar volume @ 1500 l/min |
| Power supply requirement: | 400 V, 50 Hz three-phase, 20A |
| Material container volume: | 200L or 1000L |
| Viscosity: | Up to 50 000 mPas (liquid) |
| Capacity: | Up to 8 litre/min |
| Spreader width: | 500 mm standard |
| Pumps: | As per specification, depending on capacity and configuration. |
| Arm length (total length): | 5900 mm |
| Track width: | 1200 mm |
| Machine length: | 2800 mm |
| Machine width: | 1600 mm |
| Machine height: | 3100mm |

All data and characteristics mentioned in this booklet are by way of example only. Given flow capacities and material pressure are depending of; inlet air pressure, material viscosity, the hose dimensions and other equipment fitted after the pump outlet. Aplicator Group reserves the right to modify the products without prior notice.