

BARKVALL 4600

– Automatic dispensing system
for sandwich panel production

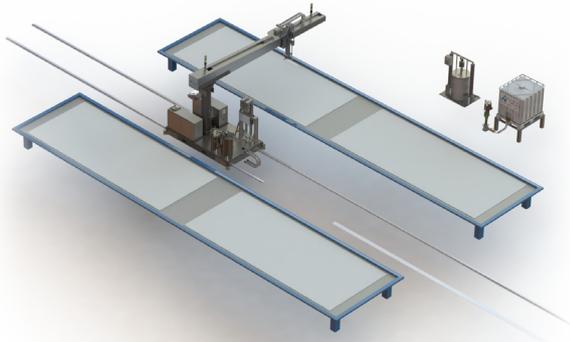


Barkvall 4600 is an automatic machine system for pumping, dosing and dispensing 2-component adhesives such as Polyurethane. The system is designed for sandwich panel production, commonly used when producing truck bodies, caravans and Structural Insulated

Panels (SIP), where an even and accurate adhesive spreading is required. Barkvall 4600 helps to increase production speed, reduce material waste and improve the working environment for the operator.

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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.



SERVO CONTROLLED METERING PUMPS

The Barkvall 4600 uses servo-controlled metering pumps. The mixing ratio is fixed but due to the electric pump drive it's possible to change mixing ratio if needed.



APPLICATION OF ADHESIVE

The adhesive is applied with a moving spreader according to a chosen recipe. Each recipe can be stored and is 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.

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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

- 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
- 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:	Fixed
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
Machine length:	2800 mm
Machine width:	1600 mm
Machine height:	3100 mm

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. Applicator Group reserves the right to modify the products without prior notice.