

BARKVALL 3600

– Automatic dispensing system
for sandwich panel production

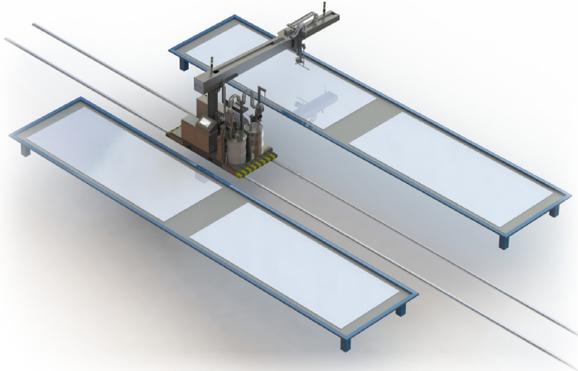


Barkvall 3600 is an automatic machine system for pumping, dosing and dispensing 1 or 2 component adhesives such as Polyurethane and Epoxy. The system is designed for sandwich panel production such as truck bodies, caravans and Structural Insulated Panels (SIP),

where an even and accurate adhesive spreading is required. Barkvall 3600 helps to increase production speed, reduce material waste and improve the working environment for the operator.

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Example of layout

DESIGNED FOR SCALABLE PRODUCTION

The machine moves on rails which make it possible to extend the working tables to secure for . 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.



2K metering unit - Barkvall 3200

A RELIABLE PUMP AND METERING UNIT

It's possible to use both 200L drum and/or IBC container for the material handling. The pump and metering system is based on Aplicators renowned Barkvall 3200, a reliable pneumatic driven system which has been on the market for decades. The system has automatic control of material flow and coat weight.



14" Kentima operator panel, touch screen

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, meaning 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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STANDARD FEATURES

- Disposable mixer and spreader
- Pump station for IBC or/and 200L drum
- Operator panel, touch screen (Kentima)
- Wireless remote control
- Low-level monitoring
- Recipe handling with storage
- Purge function
- Automatic flow and coat weight control
- Selection of two gluing pattern; diamond or string
- Safety system with lasers
- Factory Accept Test (FAT) before delivery



IBC pump station

OPTIONS

- Steel spreader with solvent flush system
- Log-function
- Agitator, to prevent sedimentation
- Holding tanks for seamless container change
- Heating system
- System for 2x speed adhesive

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.



Spreader unit with disposable mixer and spreader

TECHNICAL DATA

Mixing ratio:	Fixed 100:100 – 100:10
Mixing accuracy:	± 2 %
Air pressure requirement:	6 bar volume @ 1500 l/min
Current 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