

HB 6000 connect

Product name: HB 6000 connect

Item number: on request

Reproducible bonding processes for modern production lines

The **HB 6000 connect** series was developed for packaging applications where system availability, fast product changes and economic operation are crucial. It integrates seamlessly into existing lines or OEM machine concepts.

Integrated adhesive database – shorter set-up times, greater process reliability

- The integrated adhesive management system makes the device an active component in your production line.
- Product changeovers are quick and reproducible
- Parameters are automatically applied correctly
- Setup errors are prevented by defined user permissions
- Process know-how is permanently stored in the system
- Consistent quality – regardless of the operator or shift

For packaging manufacturers:

Stable bonding results even with frequently changing formats.



Optional

- Granulate feeder
- Line control
- Available with PT100 / Ni120 / NTC

For OEM:

Predefined machine recipes speed up commissioning and reduce service requirements.

Article	Tankvolume	Connections	Options	Gatewaysystems
HB 6050 connect	5 l	2 / 6 / 8*	PT 100 / Ni120 / NTC	Modbus EthernetIP Profinet Profibus
HB 6100 connect	10 l	2 / 6 / 8*	PT 100 / Ni120 / NTC	
HB 6200 connect	20 l	2 / 6 / 8*	PT 100 / Ni120* / NTC*	
HB 6350 connect	35 l	2 / 6 / 8*	PT 100 / Ni120* / NTC*	

on request





HB 6100 connect



HB 6200 connect



HB 6350 connect

Significantly lower energy costs during operation

The design of the HB 6000 connect is consistently geared towards efficiency.

- Noticeably reduced energy costs thanks to minimised heat loss
- Less thermal stress on the adhesive
- Constant processing temperatures without fluctuations in quality
- Sustainable operation thanks to lower energy consumption

Result: Greater cost-effectiveness per hour of production.

Future-proof integration into your control system

- Seamless integration into existing machine control systems
- Easy integration into digital production environments
- Prepared for connected Industry 4.0 concepts



The HB 6000 connect thus becomes a fully-fledged component of modern packaging lines.

Flexible design for varying production line requirements

The HB 6000 connect grows with your needs.

- The right tank size for every production output
- Suitable for various types of adhesive
- Adaptable to different hose and application configurations
- Compatible with existing components from other manufacturers

Your benefit: investment security and maximum flexibility.





Consistent application pattern – even at high cycle rates

Precise pump and pressure control ensures stable process conditions.

- Uniform adhesive application even during continuous production
- Piston pump flow rate individually adjustable
- Very high melt output for continuous production



Greater safety in day-to-day operations

The units are designed to protect both operators and processes.

- Reduced risk of burns thanks to an insulated housing
- Greater operational safety through controlled temperature monitoring
- Quick and safe access for maintenance
- Low noise levels in the production environment

Your benefit: Safe operation combined with reduced maintenance requirements.

Key benefits at a glance

- Reproducible processes thanks to an integrated adhesive database
- Significantly reduced set-up times
- Noticeable energy savings during operation
- High process stability in packaging applications
- Reliable and low-maintenance operation
- Seamless integration into OEM and production line concepts
- Compatible, scalable and future-proof



[Book a consultation](#)



Video: How a granulate conveyor works

Automatic adhesive dispensing for greater efficiency and safety

The **granulate conveyor** eliminates the need for manual refilling of hot-melt adhesives – a clear benefit for your process reliability. The system continuously monitors the fill level in the melt tank and ensures automatic refilling with fresh adhesive granules as required. This prevents unplanned production stoppages and reduces temperature fluctuations, thereby minimising the formation of caking inside the unit.

Your benefits at a glance:

- Maximum safety – the lid remains closed, eliminating the risk of burns and preventing vapours from escaping
- Cost savings through reduced cleaning, maintenance and downtime, as well as lower staffing costs
- Optimised hot-melt adhesive quality – prevents temperature fluctuations and cracking



Time- and distance-controlled application

The **line control system** enables automated operation. It independently controls the solenoid valves on the application heads. The control system ensures precise and consistently repeatable hot-melt adhesive application. This application is carried out by calling up recipes or programme variants. The recipes make it significantly quicker to switch between the products to be bonded on the production line. When changing the cardboard type on a packaging line, for example, there is no need for the tedious task of adjusting the settings on the print heads. Up to 100 recipes can be programmed.

Your benefits at a glance:

- Time- or distance-controlled adhesive dispensing (rotary encoder required)
- High compatibility with all existing BÜHNEN dispensing systems (melting units and dispensing heads)
- Programming of up to 100 recipes

BÜHNEN hoses always fit!

Heated hoses from BÜHNEN are manufactured from high-quality materials, setting the standard for long service life and high operational reliability with precise temperature control. By heating the hot-melt adhesive inside the hose, a constant temperature is maintained, ensuring precise application.

Every hot-melt adhesive application system requires the right hoses in various lengths and nominal diameters. In addition, the hoses are available in versions with different temperature sensors (PT100, Ni120, FeCuNi, NTC).



Your benefits at a glance:

- Flexible lengths
- Available in versions compatible with Nordson, Robatech, ITW Dynatech and Meltex
- TPE, polyamide and metal-reinforced versions
- High-temperature and PUR versions available

HB 11 – For particularly fast cycle times

The **HB 11 micro-dispensing head** is the compact standard for precise bead dispensing at high cycle rates. Its slim design makes it ideal for applications with limited installation space and allows for easy integration into existing systems.

The fast switching technology ensures clean, drip-free adhesive dispensing. Thanks to the flexible choice of nozzles, the dispensing pattern can be optimally adapted to different applications.

The HB 11 impresses with its high process reliability, low maintenance requirements and broad compatibility with standard systems – the reliable solution for cost-effective series production.

Your benefits at a glance:

- slim
- very fast
- drip-free
- one4all



[Video: HB 11 in action](#)



BÜHNEN

The experts in hot-melt adhesives: Simple. Reliable. Efficient.

- ✓ For over 100 years, we have been making bonding simple, safe and efficient. We believe that a reliable bonding process is the foundation for quality, cost-effectiveness and success in production.
- ✓ A comprehensive range of hot-melt adhesives for virtually every application.
- ✓ Plus a wide selection of application systems, equipment and accessories – all from a single source, with just one point of contact for all your bonding needs.
- ✓ With expert advice, personalised support and prompt service, we assist our customers at every stage of the bonding process.
- ✓ Our experts work closely with you, respond quickly and develop tailor-made solutions for every application.
- ✓ This is how we build partnerships that last – just like our adhesives.



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