



# GEBHARDT StoreBiter<sup>®</sup> HDS

For maximum storage density and efficiency



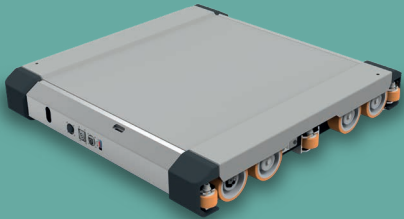
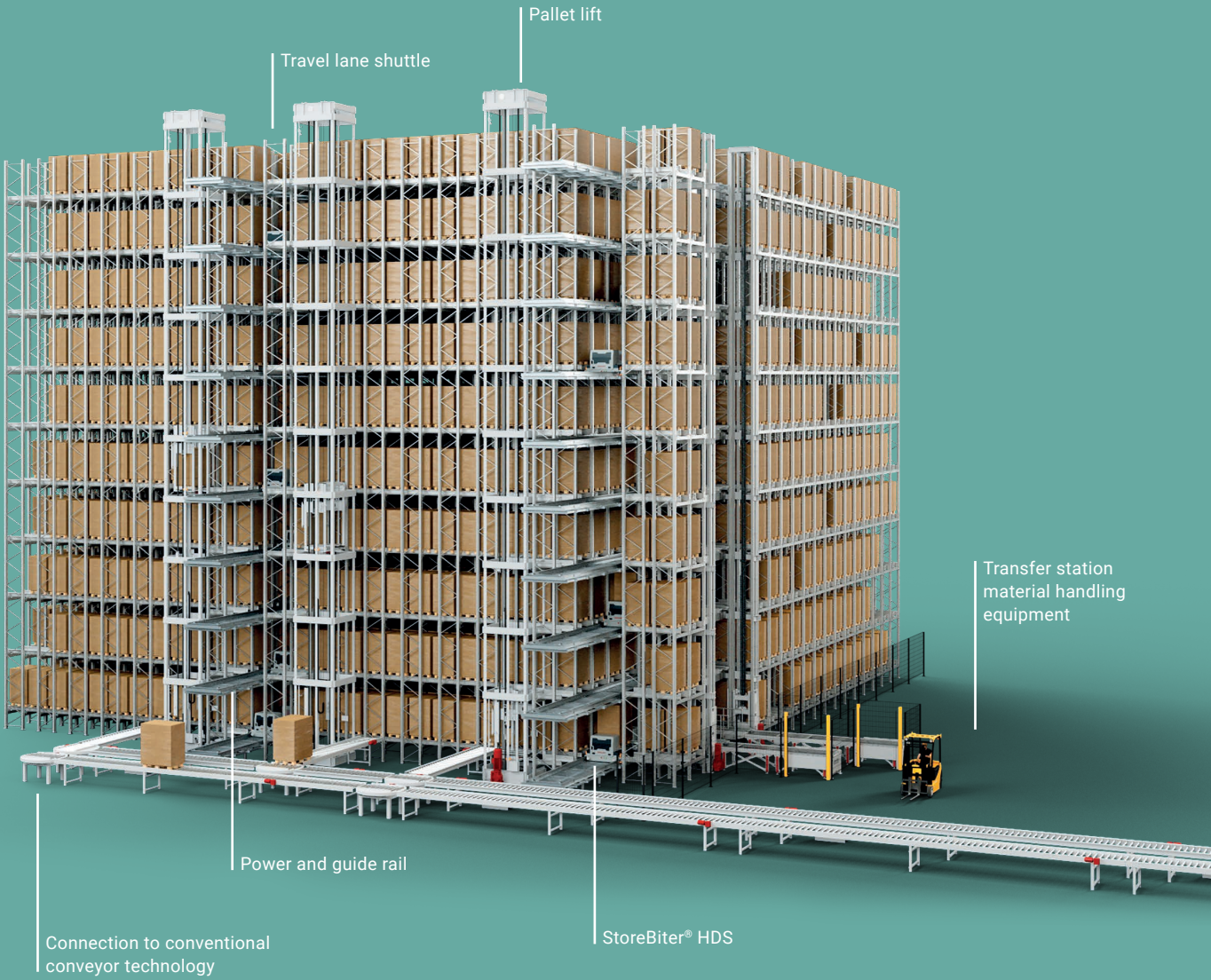
FOR MAXIMUM STORAGE DENSITY AND EFFICIENCY

The market's increasing demand for dynamic storage systems in pallet storage poses a challenge for companies in finding efficient solutions. GEBHARDT StoreBiter® HDS offers an innovative answer to these requirements. Compared to conventional pallet storage and retrieval machines, the HDS »Hive and Drone« shuttle enables more flexible and effective implementation of storage requirements. GEBHARDT StoreBiter® HDS is a state-of-the-art pallet storage system that redefines the limits of warehouse logistics. Its multiple-deep storage and scalable shuttle technology enable high storage density, flexibility, and efficiency.



SCALABLE MOTHER-DAUGHTER SHUTTLE

The GEBHARDT StoreBiter® HDS system is based on a scalable concept involving a mother-daughter shuttle. The high-performance mother shuttle operates with a daughter shuttle, which manages the storage and retrieval of pallets in the storage channels. Thanks to the flexible design of the mother-daughter shuttle, the GEBHARDT StoreBiter® HDS system is highly adaptable and can be easily customised to fit any building structure. It is suitable for both greenfield and brownfield projects, as its flexible architecture allows for easy integration into existing buildings and facilities. The innovative shuttle technology ensures efficient pallet storage and maximises the throughput of your warehouse.



GEBHARDT StoreBiter® OPS



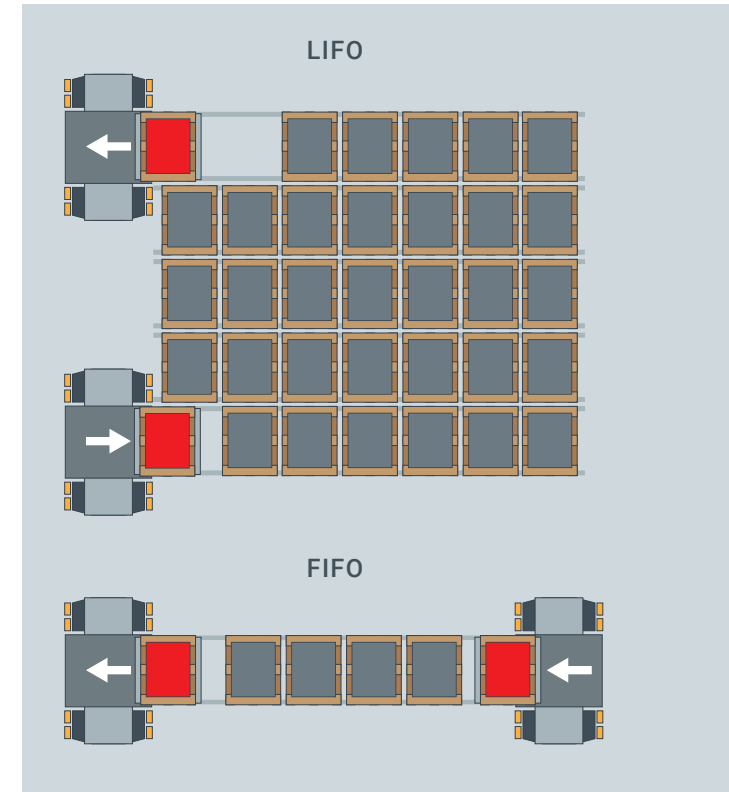


### HIGH STORAGE DENSITY THROUGH MULTIPLE-DEEP STORAGE

The GEBHARDT StoreBiter® HDS is known for its multiple-deep storage capability, allowing storage of up to 25 pallets at one depth. This feature significantly reduces the required storage area, lowering construction and operating costs. Additionally, the low overall height of the GEBHARDT StoreBiter® HDS enables its use in logistics facilities with low ceilings, making it suitable for applications where SRM systems are not cost-effective due to their size and approach dimensions.

### LIFO AND FIFO STORAGE

Regardless of the preferred storage strategies, the GEBHARDT StoreBiter® HDS offers the flexibility to store both according to the LIFO (Last In, First Out) and FIFO (First In, First Out) principles. This versatility makes it possible to adapt the storage to specific requirements, such as observing best-before dates, and to ensure an optimal storage organisation.



### EFFICIENT ORDER CONSOLIDATION AND DYNAMIC PALLET MOVEMENT

The GEBHARDT StoreBiter® HDS simplifies order consolidation in storage channels and optimises material flow. It is known for its high dynamics in the pallet area, allowing for fast and efficient pallet movement. Compared to conventional storage and retrieval machines, it significantly reduces the number of aisles, leading to cost savings and higher storage density..



## THE ADVANTAGES AT A GLANCE

- Fully automatic storage and retrieval
- Low height
- High throughput and availability
- Different storage principles possible: FIFO/LIFO
- For load carriers up to 1,500 kg
- No lithium-ion technology
- Up to 25-deep storage
- Acceleration: max. 1.2 m/s<sup>2</sup>
- Storage of pallets and mesh boxes
- Connection to conveyor system or AGV
- Sequence-controlled storage and retrieval
- Easily accessible maintenance concept



Max.  
load carrier

**1.500 kg**

Storage  
up to

**25 -deep**

Max.  
travel acceleration

**1,2 m/s<sup>2</sup>**

Varios storage  
principles

**FIFO/LIFO**

high energy  
efficiency

**Ultracapacitor**

## DIGITAL TWIN FOR OPTIMAL TRANSPARENCY AND MONITORING

Thanks to the integration of the GEBHARDT Galileo IoT® platform, your intralogistics system is fully digitised and networked. With the digital twin and the 360-degree status overview, you always have an overview of your warehouse. Regardless of storage and retrieval sequences, maintenance requirements, or storage capacity, with the GEBHARDT StoreBiter® HDS, you maintain complete control over your warehouse operations.



## MAXIMUM ENERGY EFFICIENCY FOR SUSTAINABLE OPERATION

The GEBHARDT StoreBiter® HDS is known for its high energy efficiency. This is because of the low moving load per order and the use of ultracapacitors for the shuttle's energy supply. The reliable GEBHARDT Power-Caps technology in the shuttle ensures maximum performance and reliability.

Discover the modern pallet storage solution with the GEBHARDT StoreBiter® HDS. The shuttle offers outstanding reliability, durability, and minimal maintenance, reducing operating costs and ensuring long-term investment security.



Learn more:  
[bit.ly/gebhardt-hds-3d-en](https://bit.ly/gebhardt-hds-3d-en)  
Or at [gebhardt.com](https://www.gebhardt.com)



# NEXT GENERATION INTRALOGISTICS

Already in its third generation, the name GEBHARDT is closely associated with innovative intralogistics solutions. The company has always developed, manufactured and installed individual products as well as complete turnkey solutions. The portfolio includes storage systems, conveyor systems, sorting and order picking systems as well as goods lifts, automated guided vehicles and software applications.

The complete range of systems, intelligent software and life cycle services enables the most reliable and efficient automation technology for retail & e-commerce, food & beverages, automotive, healthcare, contract logistics, fashion & consumer goods and industry.



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