

GEBHARDTStoreWare

For Processes in Motion

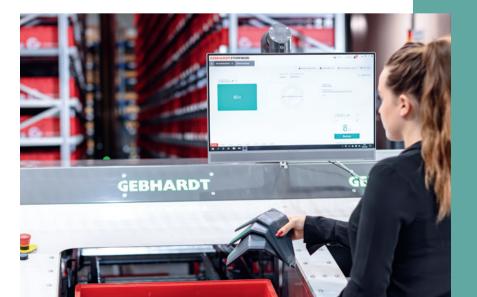


THE EFFICIENT AND FLEXIBLE CONTROL SYSTEM FOR YOUR WAREHOUSE

The demands on your intralogistics and the associated warehouse management system are manifold. It is important to avoid chaotic warehousing, record goods movements quickly, dispatch the correct goods error-free and efficiently, and reduce the inventory effort. Powerful software is therefore indispensable to control inventories and logistical business processes efficiently and reliably.

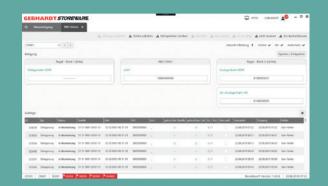
GEBHARDT StoreWare integrates the warehouse control system (WCS) and warehouse management system (WMS) into one platform. The operation is user-friendly and intuitive, thanks to the visualization system. The WCS connects, controls, and monitors all system components, ensuring the smooth operation of fully automated logistics systems and guarantees an efficient material flow. The WMS bundles process information and orders, thus ensuring optimal interaction between the warehouse and upstream or downstream systems. Furthermore, in addition to the reliable control of stock and goods flows, the WMS offers many tools to optimise the material flow and order processing consistently. This means that you benefit from a wide range of data that is available centrally in one place.

As a result, StoreWare ensures an efficient warehouse and material flow. Fast processes, reliable provision of goods and cost savings become a reality. StoreWare supports you wherever necessary and is as flexible as possible, a prerequisite for precise integration into the existing structures of your company.



The WCS and its functions

- Management of transport orders incl. logging
- Blocking and releasing workplaces and aisles
- Resource management and communication with conveyor and storage systems
- Clarification station function
- Destination control of transport units
- Contour and weight control
- Statistics on system components and performance
- User and rights management
- Creation of customer-specific documents (e.g. delivery notes, shipping labels)



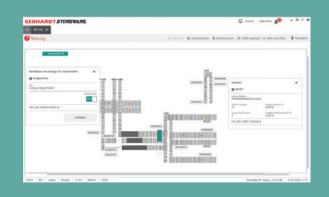


The WMS and its functions

- Interfaces to all ERP systems
- Incoming goods processing including dialogues
- Storage according to customer-specific rules
- Retrieval from storage takes the current system load into account
- Connection of various picking systems (pick by light, pick by voice, etc.)
- Management of different storage areas
- Client managemer
- Replenishment control
- Inventory

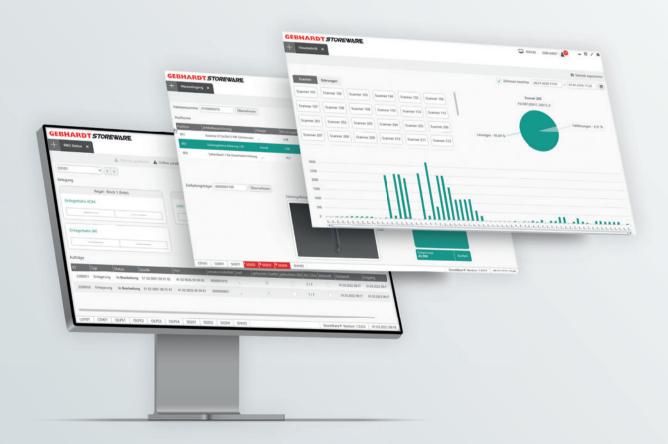
Visualisation system SCADA

- Fault localisation
- Jam display
- Engine malfunctions
- Current errors
- Scanner and error statistics and history
- Scanner reading
- Dashboard overview



KEY ADVANTAGES

- Modular architecture with various interfaces
- Easy integration into the existing IT infrastructure as well as into host systems
- Detailed evaluation functions
- Efficient processes
- Energy efficiency function
- Maintenance and service management
- · Project-specific requirements can be integrated
- Detailed analysis function
- Execution of all user dialogues in a modern ergonomic design
- Dashboards for warehouse control centre
- Easy connection to Galileo IoT® and Insight



Reduced operating



Improved customer satisfaction



Easy integration

SAP and other host systems



Pure functionality

Clear design and less visual noise

Minimal error rate



ON THE WAY TO THE DIGITAL FUTURE

StoreWare is an intelligent IT solution for controlling complete processes in your intralogistics system. As a result, you receive optimised inventories and material flows and are always ready to deliver and achieve your strategic business goals more quickly. You can use each StoreWare module alone or in combination with GEBHARDT Galileo IoT® and Insight. Only in combination with the optimal collection, digitalisation, and analysis of the data of your logistics processes can you best use the full potential of modern automation solutions.

Complete digitalisation of warehouse components and processes realises unprecedented process transparency. Dashboards provide information on the status of a system at any time; upcoming downtimes and necessary maintenance work on individual system components are detected at an early stage. The virtualisation of plants serves as a digital twin, simplifying planning, conversions, or extensions, as well as the operation of a plant and enables the use of augmented reality.



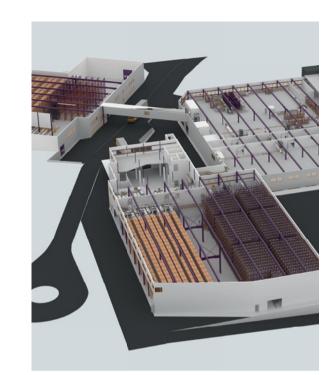
COMPETENCE FROM THE FIELD – GEBHARDT FOR KW AUTOMOTIVE

The processes in intralogistics are becoming increasingly complex. At the same time, the intralogistics challenges in your warehouse continue to develop dynamically. Countless processes have to be recorded, managed and controlled. StoreWare is the ideal tool to optimise your inventory and goods flows and to be ready for delivery at any time.

IN THE FAST LANE THANKS TO STOREWARE

At KW automotive, the chassis manufacturer from Fichtenberg, the requirements for the warehouse management system were also diverse. They wanted to optimise their warehouse processes, reduce costs and perfectly coordinate processes while making them transparent for all those involved.

In the first step, GEBHARDT implemented intralogistics solutions. The entire logistical process and warehousing is divided into the automatic miniload warehouse for production supply, the automatic high-bay pallet warehouse, the StoreBiter® Multi-Level Shuttle (MLS) warehouse as an order buffer and an automatic miniload warehouse for shipping, including connecting conveyor technology and corresponding workstations.





Automatic Miniload Warehouse for production supply

- Three aisles with five GEBHARDT StoreBiter® One-Level-Shuttle (OLS) each
- Total capacity of 19,760 storage bins

Automatic High-Bay Pallet Warehouse for raw springs

- One aisle with one GEBHARDT Cheetah® heavy
- Up to ninefold deep storage
- Approx. 4,266 storage locations

MLS storage as an order buffer

- Functions as intermediate storage
- One aisle with a GEBHARDT StoreBiter® MLS
- Small containers are stored double-deep, large containers single-deep
- 589 storage locations

Shipping

- Three aisles with one storage and retrieval machine type 716 each
- 13,848 storage locations
- Single- and double-deep storage

PERFECT INTERACTION

KW automotive relies on GEBHARDT StoreWare to implement a reliable, transparent, and perfectly coordinated warehouse management. The software works hand-in-hand with the GEBHARDT Galileo IoT® platform and Galileo Insight, offering the first step towards Industry 4.0.

GEBHARDT perfectly coordinated the entire warehouse management with the various warehouses, orders, and order picking. The result is a state-of-the-art flexible, cost-efficient, and transparent process.



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 solutions, 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.



