



GEBHARDT StoreWare

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 versatile. It is important to avoid chaotic warehousing, to record goods movements quickly, to dispatch the right goods error-free and efficiently, and to reduce the inventory effort. The use of powerful software is therefore indispensable for you to control stock and logistical business processes efficiently and reliably.

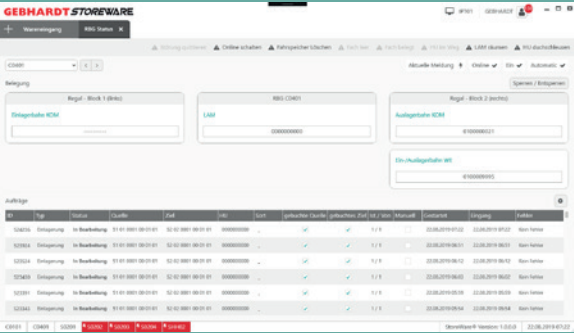
GEBHARDT StoreWare integrates the warehouse control system (WCS) and warehouse management system (WMS) within one platform. Operation is user-friendly and intuitive thanks to the visualisation system. The WCS connects, controls and monitors all system components. This ensures the smooth running of fully automated logistics systems and guarantees an efficient material flow. The WMS bundles process information and orders and thus ensures optimal interaction both of the systems in the warehouse and with upstream or downstream structures. Furthermore, in addition to the reliable control of stock and goods flows, the WMS offers many tools to consistently optimise the material flow as well as order processing. 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 reality. StoreWare supports you as standardised as necessary and as flexible as possible. The prerequisite for precise integration into the existing structures of your company.



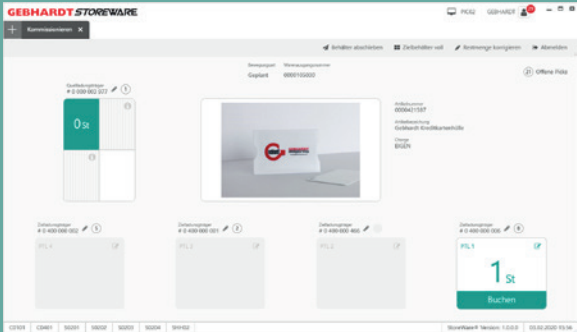
The WCS and its functions

- 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)



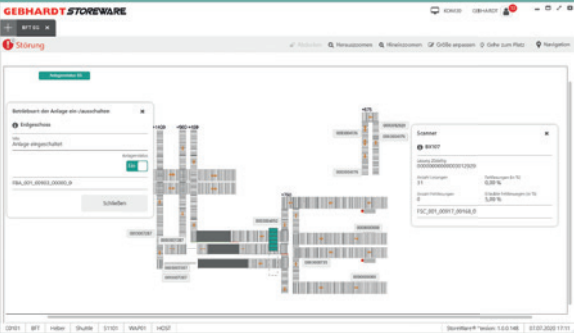
The WMS and its function

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



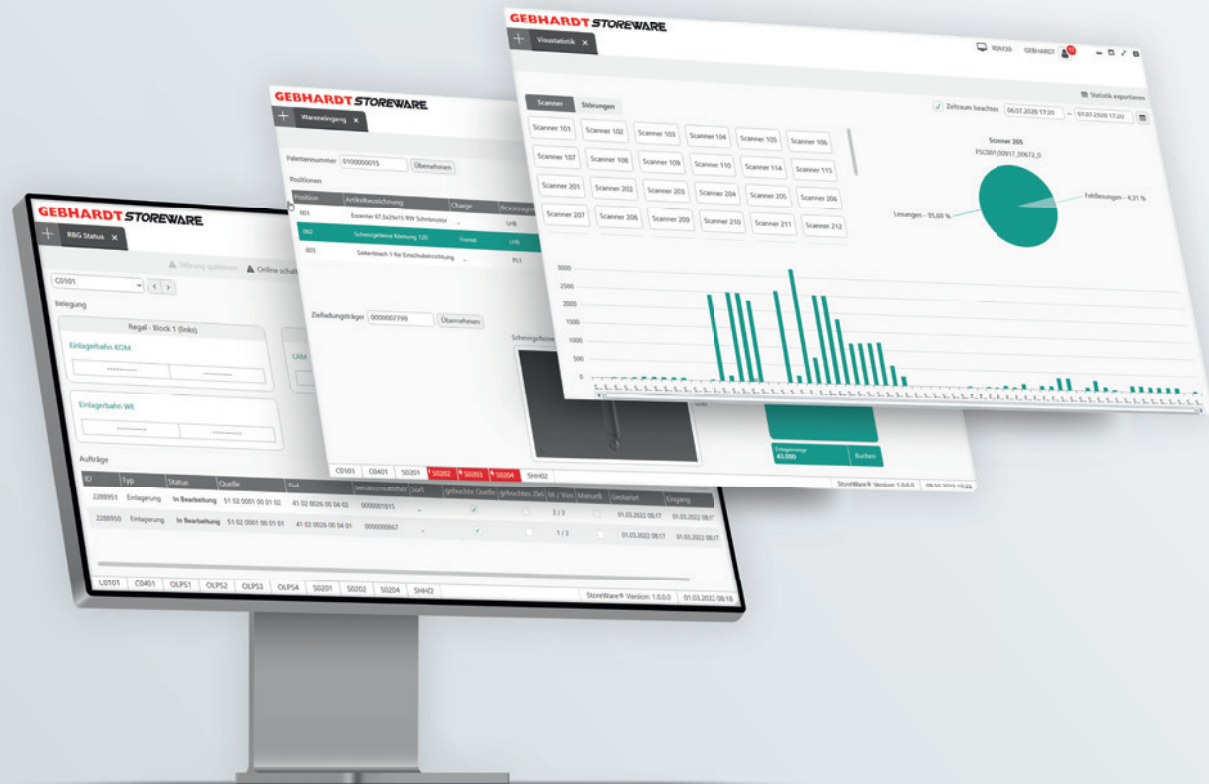
Visualisation system SCADA

- Fault localisation
- Jam displays
- Engine fault
- Actual faults
- Scanner and fault 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 costs



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

GEBHARDT StoreWare is an intelligent IT solution for controlling complete processes in your intralogistics system. As a result, you receive optimised stocks and flows of goods, are always ready to deliver and achieve your strategic business goals more easily. Each StoreWare module can be used alone or in combination with GEBHARDT Galileo IoT® and Insight. Only in conjunction with optimal collection, digitisation and analysis of the data of your logistics processes, you can best utilise the full potential of modern automation solutions.

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



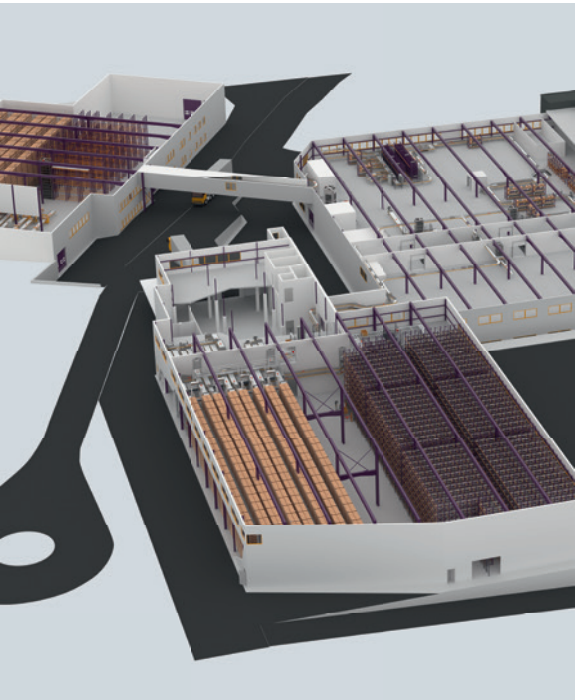
**COMPETENCE FROM THE FIELD –
GEBHARDT FOR KW AUTOMOTIVE**

The processes in intralogistics are becoming increasingly complex. At the same time, the intralogistical challenges in your warehouse continue to develop dynamically. Countless processes have to be recorded, managed and controlled. StoreWare is the ideal tool for you to optimise both your inventory and your 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 logistics process chain and warehousing is divided into the automatic small parts warehouse (AS/RS) for production supply, the automatic pallet high-bay warehouse (AS/RS), the StoreBiter® Multi-Level Shuttle (MLS) warehouse as an order buffer and an AS/RS for shipping including connecting conveyor technology and corresponding workstations.



AS/RS for production supply

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

Unit load AS/RS for raw springs

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

MLS storage as 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 store

- Three aisles with one stacker crane 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. Thanks to its combinability with the GEBHARDT Galileo IoT® platform and Galileo Insight, the software solution offers the first step towards Intralogistics 4.0.

GEBHARDT perfectly coordinated the entire warehouse management with the various warehouses, orders and order picking. With the result of an optimal, 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.



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