

Intralogistics

Mahr GmbH



Mahr is a global manufacturer of high-precision production measurement technology. For production supply and dispatch handling, Mahr relies on our warehouse management system PSiWms with an integrated forklift control system - connected to the ERP system PSiPenta.

Company data

- + **Industry:** Manufacturer of production measurement technology
- + **Warehouse location:** Göttingen, Germany
- + **Employees:** 1,900 worldwide
- + **Turnover:** n.a.

Software in use

- + **Deployed software:** PSiWms
- + **Realized interfaces:** ERP system (PSiPenta), Automatic small parts warehouse (SPS), Dispatch system (CS5)

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Paperless order picking and the new IT processes have significantly simplified our handling processes, enable faster throughput times and shorter training phases for employees.

Kevin Heinemann
Manager of the Logistics Center Göttingen (Germany)

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The challenge

In the central production plant in Göttingen (Germany), Mahr manufactures high-precision production measuring devices and systems in eleven different production areas as well as ball guides, gear and dosing pumps which are also essential components of the product portfolio. The logistics center is divided into two hall complexes where more than 40,000 articles are stored – raw materials and semi-finished products. For this purpose, different storage rack systems are available that include different workstations for processing and picking orders. To avoid crossing flows of goods and to accelerate the individual processes, the

halls are consistently divided into the areas of production warehouse and finished goods warehouse.

Plans for a further expansion of product and service quality and increasing sales targets only required optimized article and inventory management of raw materials and finished products as well order picking and route planning in line with the order and on time – for both production supply and dispatch handling. Manual order picking based on orders submitted on paper has clearly reached its limits: The throughput times were too long; the material flow was not transparent and could not be managed.

The solution

- + Today, Mahr controls its supply processes as well as the order production with PSIWms
- + The optimal interaction with the ERP system PSIpenta as well as the integrated modules control station, cockpit and the forklift control system for route-optimized processes also play a significant role
- + The system creates maximum transparency regarding the processing status and system utilization and enables the recording and reporting of all necessary key figures
- + The conversion to permanent inventory also enables Mahr to reliably and efficiently monitor and control inventories
- + With currently 3,500 picking orders per month, the employees in the Göttingen logistics center achieve approx. 100,000 picks per year for production supply and dispatch. This puts Mahr well above the previous throughput rates
- + The processes of contract manufacturing have become faster and more reliable and Mahr has gained greater flexibility in logistics

Fact sheet

User

- + Approx. 25 users in the system

Language

- + German

Warehouse characteristics

- + Production supply by route train with approx. 80 production areas
- + Order picking, packing and shipping of customer orders
- + Approx. 3,500 picking orders or 5,500 items per month
- + Approx. 7,500 picks (picking/withdrawals) per month
- + Two logistics halls
- + Pallet warehouse with approx. 300 storing positions
- + Modular shelving system with approx. 1,100 storing positions
- + Connection of automatic small parts warehouse with two workstations for order picking and inventory (approx. 2,700 storing positions)

PSIWms functions in use

- + Cockpit, Cross docking, Production supply and disposal, Serial number management, Batch management, Forklift control system, Route trains, Empties and loading aids, Archive

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