



+ Production Logistics

Koenig & Bauer Kammann GmbH

Koenig & Bauer Kammann is one of the leading manufacturers of state-of-the-art decoration machines for the glass, plastics and packaging industry. With subsidiaries in the USA and China as well as representatives and distribution partners worldwide, the company plans, designs and assembles its special decoration machines completely in its factory in Löhne, Germany. Here, PSIwms is used for the smooth processing of production logistics.

The Challenge

Since 2007, Koenig & Bauer Kammann has been controlling its ERP processes with PSIpenta, the ERP system from the PSI Group. With the construction of the new plant in Löhne, Germany, the desire to optimize internal production logistics arose. While previously missing materials were ordered by employees, in the future this should be centralized and automated. Therefore, it was logical to take a look at the functions of PSIwms which convinced with an interface to PSIpenta and extensive standards.

Information



Industry: Machinery and plant manufacturing
Warehouse location: Löhne, Germany
Employees: > 170

Deployed software: PSIwms

Realized interfaces:

- + ERP system (PSIpenta)
- + Material flow computer (Jungheinrich)

+ Reference project

” PSIwms improves the interaction of the warehouse management system and the ERP. The contact persons at PSI were available at all times which was very helpful for us during the go-live phase.

Gerhard Drews, Head of IT Koenig & Bauer Kammann GmbH

The solution

Today, PSIWms takes over the control of material orders and ensures that the production materials are available at the right time and at the required production location. Incoming goods, which are urgently needed in production, are directly recorded and guided through to the workplace via a bypass. Storage is not necessary.

Otherwise, the storage/retrieval is done with the help of a storage and retrieval machine in the form of a semi-automatic forklift. This is controlled via telegrams at the material flow computer. The PSIWms transmits the target storage location which is automatically controlled via the forklift. There, the goods are handed over and the transfer/retrieval is confirmed via a mobile data terminal connected to PSIWms. This way, the forklift receives the signal for the next transport order.

In addition to the predominant external procurement of production components for the high-tech decoration machines, there are individual parts which are produced internally. In this case, the parts are coordinated via PSIWms. In the picking process, there are two types of material withdrawals from the high-bay warehouse. The picker is notified by a corresponding note on the article whether the goods can simply be removed from the pallet on the shelf or whether the complete pallet must first be brought to another storage location to remove the article, for example, because it is too heavy and bulky. Then, the pallet is re-stored.

The power cable warehouse is logistically handled by PSIWms as well. The different power cables are on rolls (TE) as bulk stock. The picker receives the information via PSIWms about which stored rolls have the required number of linear meters to control them. If there is not enough material on the rolls, PSIWms automatically triggers a replenishment delivery from another storage area. Liquids, such as oils are managed similarly via PSIWms.

Fact sheet

Users:

- + ca. 5

Language:

- + Deutsch

Warehouse characteristics:

- + 2.112 sqm of storage area
- + 22,573 spaces to be managed
- + 6,000 SKUs
- + 1 narrow aisle forklift operated
- + 2 aisles, each 50 m long, 18 shuttles
- + Tray warehouse, cantilever warehouse
- + Types of stored goods: Long goods, material in containers/ cardboard boxes or on pallets, pallet cages, hoses, cables, rolled goods
- + Two- or multi-level order picking by radio data transmission + by receipt

PSIWms function in use:

- + Cross-docking
- + Master data administration
- + Handling units management
- + Empties and loading aids
- + Forklift control system
- + Production supply/disposal
- + Multi-storage capability
- + Archive



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