



TAILWIND FOR INCREASED PRODUCTIVITY

Case Study // ebm-papst Mulfingen GmbH & Co. KG

Automated processes have long been standard in production at ebm-papst. So, it was only natural for the fan and motor experts to also seize the advantages offered by intralogistics automation. For this purpose, the company used autonomously driven Linde L-MATIC pallet stackers in the dispatch center. These were also networked with the existing in-house warehouse management system.

ebmpapst

Company: ebm-papst Mulfingen GmbH & Co. KG, Mulfingen (Germany)

Industry: Air technology and drive engineering

Task: Automation of transport between the packaging line and dispatch drop-off point

Linde solution: Supply and implementation of three automated Linde L-MATIC pallet stackers including connection to the SAP Extended Warehouse Management System

Task

Ensuring efficient movement is the core value of the family-owned company ebm-papst. The global innovation leader for air and drive technology also applies this to its intralogistics processes and went in search of suitable automation solutions for its dispatch center. Specifically, it was a looking to automate a process in which palletized goods had to be transported manually by forklift over a distance of 30 meters between the packaging line and the transfer point.

Challenge

Due to the heavy traffic in the area in question, a static conveyor solution was not an option; therefore the customer wanted a system that would not require any conversions and that could handle the transport task reliably and safely as it was time-efficient. At the same time, the solution had to be easily adaptable to possible changes in the process.



Clear paths, maximum safety Since the autonomous Linde units operate in a high-traffic area, they project red warning lines on the floor on either side of the truck, among other safety features.

Solution

After a feasibility study in which, among other things, the handling of around 20 load carriers was tested, the implementation of three Linde L-MATICS proved to be the optimal solution. To ensure permanent availability, a loading station with a movable contact plate was installed on site, which the vehicles stop at, for example, during shift breaks.

Advantages

The Linde network partner's application engineers networked the Linde trucks with the warehouse management system, so that the packaging line is always started up at the right time. As a result, the number of transports required per hour could be increased from 36 to up to 50. LED stripes project from the sides of the trucks onto the floor and the Linde TruckSpot™ ensures maximum safety for the vehicles, which are controlled by geo navigation. In addition, networking with a combox ensures that the equipment immediately stops its work and keeps escape routes clear in the event of a fire, for example.



»The fact that the Linde MH network partner provided us with everything from planning and equipment through to software connection all from a single source was ideal for us.«

Tobias Arndt, Logistics Manager ebm-papst, Mulfingen



Timing is everything The L-MATIC trucks transport goods at precisely the right time thanks to the SAP connection.

Roll it!

The button leads you directly to our video, which shows the Linde L-MATIC trucks in action.



Linde Material Handling

Linde

Linde Material Handling GmbH | Carl-von-Linde-Platz | 63741 Aschaffenburg
Telefon +49 6021 99 0 | Fax +49 6021 99 1570 | www.linde-mh.de | info@linde-mh.de
Printed in Germany