

Case Study

High Availability & Picking Performance





Fourfold increase in picking performance

Customer and task

Wipotec not only produces innovative technologies, but also continuously examines the status quo and looks for modern ways to improve existing operations. With the support of Kardex, the company regularly optimizes its ever-growing intralogistics processes.

Wipotec understands how critical a smooth production supply is when working with complex and varied in-house demands. To ensure this was possible even with a constantly growing order volume, Wipotec had to introduce a two-shift operation. Kardex's latest task was to convert the existing systems during ongoing operations to enable further growth and increase picking rates.

Solution

For its production supply, Wipotec uses eight Kardex Shuttles and the Kardex Color Pick System. The latter is a team picking strategy. Four Kardex Shuttles face one another. Several orders are given a location on a picking cart, thus forming a batch. The Kardex Color Pick System assigns a color to this batch. The cart then shows this color and the machines provide the needed items. The cart's pick information, color and location are displayed on the machines' access openings.

Multiple batches are processed and depending on the workload, the number of operators is flexible and can easily fluctuate. The Kardex Color Pick System allows simultaneous picking and inventory control.

In other areas, Kardex Shuttles are used to store SMD parts, in combination with pick-to-light technology (Kardex Frame Pick System) or with access openings on different levels.

Case at a glance

High material availability through smart intralogistics solutions

Wipotec Group is a leading global provider of intelligent weighing and inspection technology. At its headquarters in Kaiserslautern, Germany, the company develops and produces unique machine solutions and technologies for OEM and end customers in various industries. Twenty years ago, Wipotec chose Kardex as its key intralogistics supplier. Since then, Kardex has installed 25 Vertical Lift Module Kardex Shuttles and connected them to Wipotec's ERP system. This smart solution ensures material supply throughout the production halls.

Quadrupled
picking
performance

Increased
throughput

Reduced
shift operations



Scope of delivery



In total 25 Vertical Lift Module Kardex Shuttles



8 Vertical Lift Module Kardex Shuttles using the Kardex Color Pick System for order fulfillment



Bi-directional connection of the Vertical Lift Module Kardex Shuttles to Wipotec's ERP system