

Application Success Stories

Kardex Remstar Storage Systems

kardexremstar

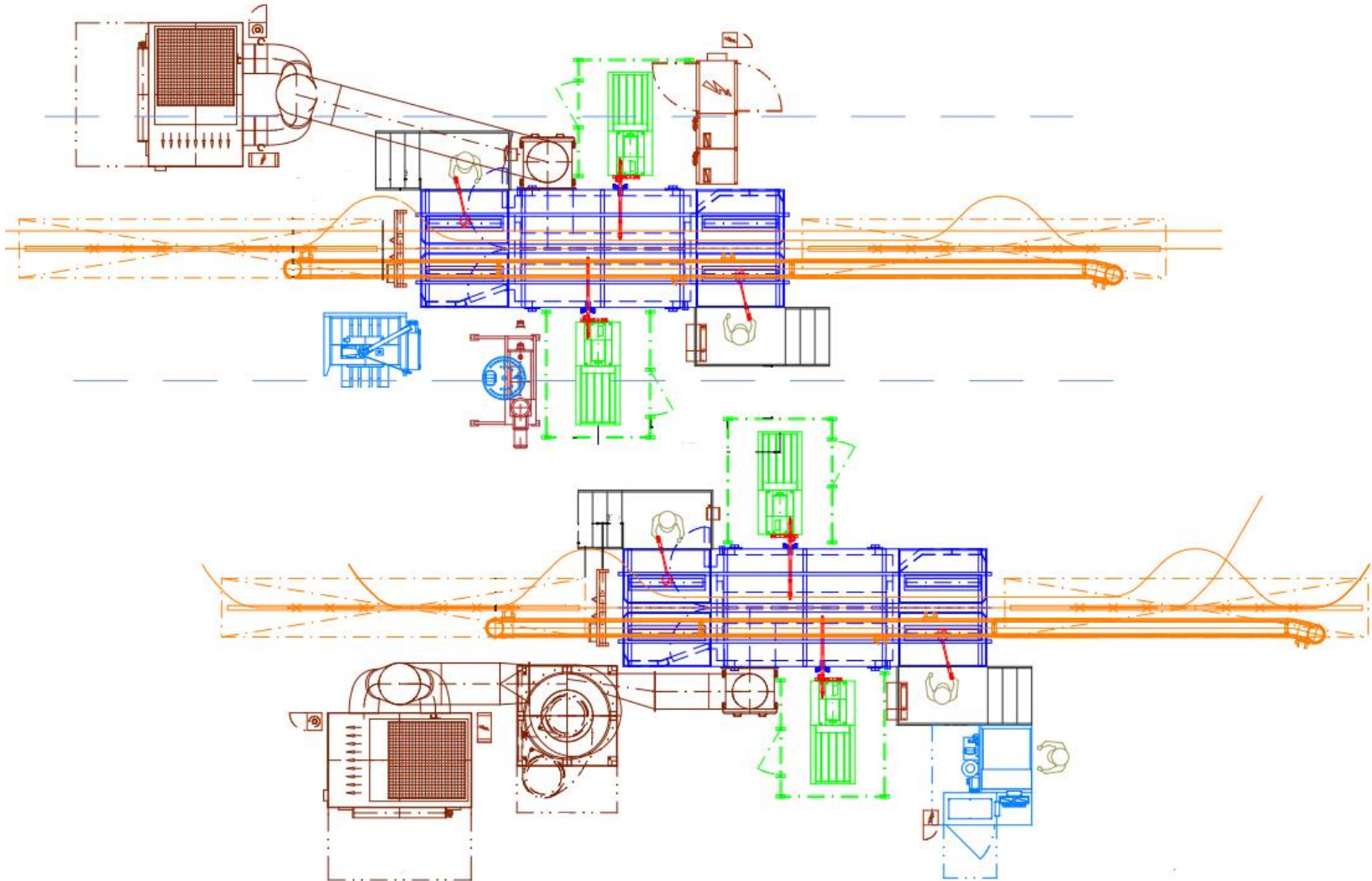


Increase of
capacity

Optimization of
production

Process reliability

Application Success Stories



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Installation Key Data

Parts:

Components for intra-logistic solutions

Parts size:

H 1'800 mm

W 1'000 mm

L 6'200 mm

Conveyor speed:

v 2,0 – 3,6 m/min

Scope of Delivery:

2 x OptiFlex AS04 / 18P

2 x ZA05-18 / XT10-10

2 Control Systems ICS/CM30

2 Magic Compact EquiFlow BA04

(1 x Cyclone System for Quick Color Change)

(1 x Single Color System)

OptiCenter OC02

Powder Transfer System PTS 650



Application Success Stories



The Kardex Group is a global industrial partner for intra-logistics solutions and a leading supplier of automated storage systems and material handling systems. The group consists of two divisions, Kardex Remstar and Kardex Mlog. At the Bellheim site near Karlsruhe, Kardex Remstar relies since 1992 on recyclable water-based paint for part coating. Subsidiary colors for the equipment interior could thus be used for coating.

Over time, the product range at Kardex Remstar changed. This led to a surplus of recycled paint that could no longer be used. The staff-intensive maintenance, the high material prices, a level of efficiency of only 60% and no longer usable residual paint were the main reasons for Kardex Remstar to switch to electrostatic powder coating. The planning resulted in a combined single-color/multi-color powder plant, which guarantees the highest degree of flexibility and process reliability.

Process reliability has vastly improved, because with water-based paint painting often had to be done two to three times. The throughput capacity has doubled and personnel expenses reduced so that only two people are needed to operate the entire system. Waiting times and bottlenecks are a thing of the past because the workflow has become a much more continuous operation. 50% less material consumption, 25% savings in personnel and 10% energy savings sum up to an expected amortization period of less than three years!