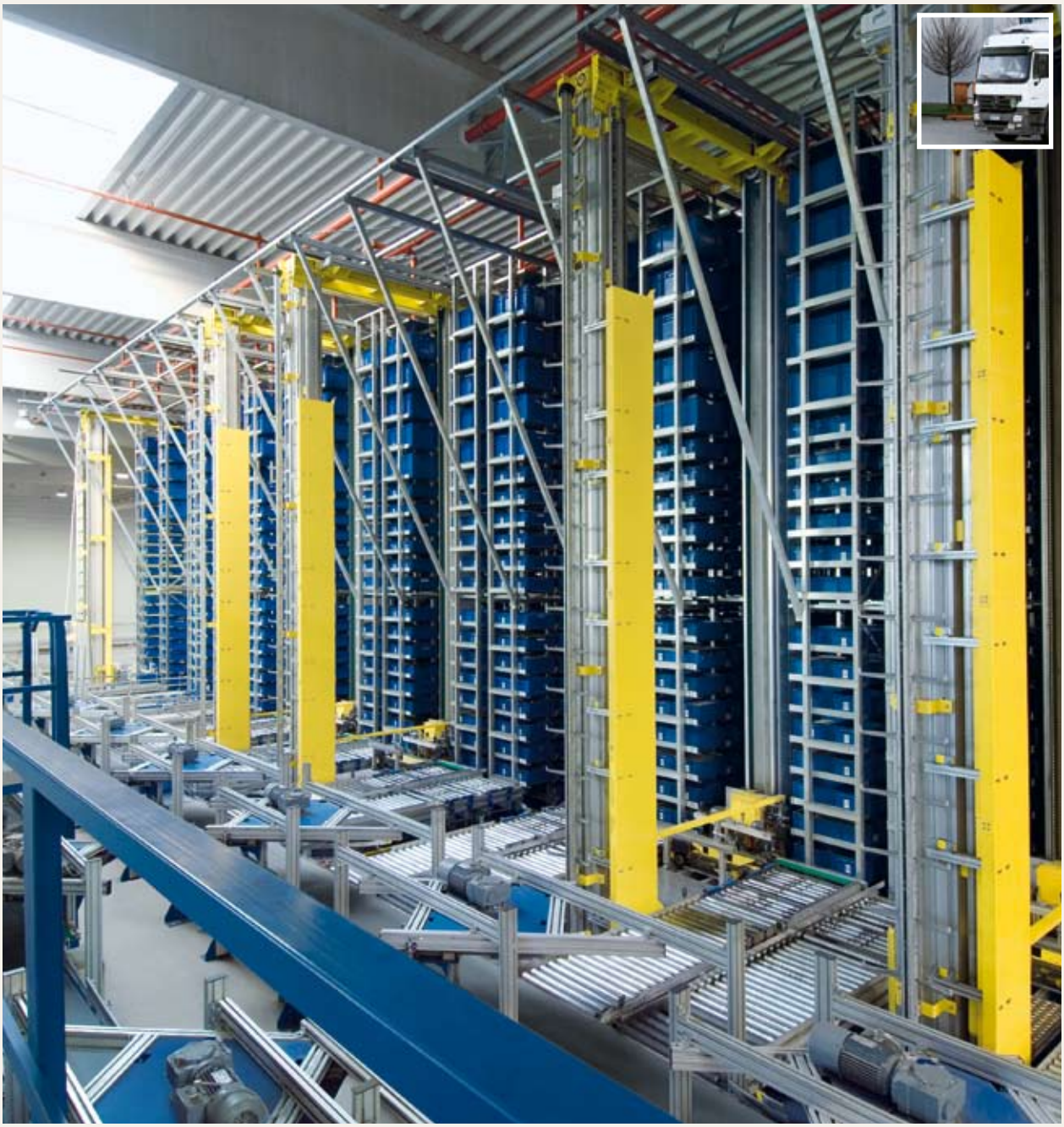
Ultramodern logistics center for the on-time supply of time-critical spare parts for agricultural equipment

THIRD-PARTY DISTRIBUTORS



Case Description

experience the difference

CS Parts Logistics GmbH, affiliated company of CLAAS KGaA mbH and Stute Verkehrs-GmbH, operates an ultramodern logistics center in Hamm-Uentrop. From there, customers, dealers and warehouses, in Germany and abroad, are supplied with spare parts for CLAAS harvesters and tractors.

Design criteria

The supply of spare parts for harvesters is a very time-critical logistical issue, as the machines are operated a few weeks or months of the year only; during this time, however, they are mostly employed around the clock. A break-down often causes losses, which can hardly be made up again.

A highly sophisticated material flow concept had to be worked out, in order to handle the wide product variety of CLAAS. Core of this concept was a small parts warehouse for the handling of very small items (to be implemented in three phases).

The solution

In the first stage, six *runloader*® AS/RS (miniload) systems, and the bin conveyor system, which connects the goods receiving and the shipping area with the small parts warehouse, were installed.

On a platform, directly in front of the small parts warehouse, the order picking zone with eight work stations is located. The empty bins come directly from the packing zone. Via an S-shaped conveyor, the order bins are brought to the packing zone (with 30 lanes).

After five years, the installation was extended by one aisle; another year later, the 8th aisle was realized.

More than 105,000 different articles are permanently available in the storage areas (in parts fully automated). On peak days, more than 10,000 orders are shipped from the logistics center, according to the delivery date requirements of the customers.

Customer:	CS Parts Logistics GmbH 59071 Hamm-Uentrop / Germany
System:	Zero-pressure roller and belt conveyor technology, 8 *runloader*® AS/RS (mini-load) systems, PLC, SCADA system