



# Software & IT systems

## Jungheinrich WCS

**JUNGHEINRICH**

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## **for improved performance.**

Optimised management of fully automated warehouse systems.

As one of the most advanced warehouse control systems, the Jungheinrich WCS offers a variety of highly optimised intelligent algorithms and functions for complex automated systems that control and optimise the material flow to maximise warehouse efficiency and sustainably increase delivery readiness.

The Jungheinrich WCS is responsible for areas such as transport management, storage location selection or LD management and is supplemented by the Jungheinrich WMS, which takes care of stock management as well as the control, monitoring and optimisation of all intralogistics processes.

The Jungheinrich WCS ensures that the desired goods reach the optimum position in the correct quantity via internal conveyor components (conveyor belts, stacker cranes, AGVs, etc.).

### **All benefits at a glance**

- Decades of experience in intralogistics and software development.
- One of the best warehouse control systems on the market.
- Highly optimised algorithms for material flow control.
- Guarantee of smooth processes between all components of an automated warehouse.
- Professional planning, implementation and support.

# Jungheinrich WCS

## Warehouse optimisation with intelligent strategies.



### Efficiency

Coordinate the processes in your warehouse with the help of the intelligent control provided by the Jungheinrich WCS.

Minimise costs and reduce the time required for processes within your warehouse.

#### Optimum utilisation of the warehouse system capacities

- Intelligent control and advanced drive technology.
- Precise management of transport data (e.g. source and target location as well as loading device number) by higher-level WCS.

#### Reduction of general downtime

- Cost-efficient transport management.

#### Targeted response to imminent bottlenecks and peak loads with efficient handling of stacking and removal transports

- Prevention of unnecessary movements and empty runs.
- Planning of balanced utilisation.



### Flexibility

The Jungheinrich WCS adapts to your individual warehouse environment.

Intelligent algorithms control your intralogistics processes as efficiently as possible and are flexibly adapted to your requirements.

#### Combination and weighting of different optimisation strategies

- Development of an individual overall strategy.

#### Fully automated warehouse management

- Determination of the optimal storage location with the help of suitable algorithms for the storage location search, taking into account item and ABC criteria.

#### Transport-related fault management thanks to higher-level system

- Avoidance of congestion in front of racking aisles due to intelligent transport management.



### Reliability

Intelligent control and monitoring of your systems will enable you to avoid disruptions in the management of your warehouse.

Thanks to maximum transparency regarding your warehouse components and processes, you can identify critical situations at an early stage.

#### Increased transparency thanks to control panel with information system

- Monitoring of the system status.
- Support in the execution of administrative tasks.

#### Monitoring for the controlled warehouse components

- Visualisation of process-critical information in the control panel.
- Support for rectifying faults in your systems.