

KUGLERCONSULTING

WMS Product Information

WMS Warehouse Management System

Our Warehouse Management System WMS fulfills the following functions:

- *Logistics management center with logistics controlling*
for the overall control of order flow and material flow
- *Dynamic storage location management*
with strategies for the optimization of putaway, picking and replenishment
- *Fully automated high bay warehouse control*
with automated control of rack serving equipment and conveyors
- *Order orientated material flow control*
from receiving to putaway and picking till shipping including cross-docking
- *Fork-lift control system / Picking operator control system with mobile radio frequency terminals*
for the control and optimization of all resources (equipment and staff)
- *Picking, packing and shipping control*
for the timely and fast control of customer order flow, order status and fulfillment, work load and cost
- *Online in the Internet: electronic business (e-commerce)*
with full integration into the logistics supply chain and information exchange from the suppliers to the customers

This system is operational at more than 300 high performing warehouses, logistics centers and distribution centers worldwide, e.g. ABBOTT, Ryder-Ascent logistics services Singapore, Bohle, DaimlerChrysler, Drescher papers, General Logistics Service, Grote & Hartmann, Pfizer-Gödecke pharmaceuticals, Huber packing, igepa papers, Kerpen cables, Lehmann beverages, LKW-Walter logistics services Vienna, Malaysian Airline Catering, Nissin/Sharp European distribution center, Ostfriesische Teegesellschaft Laurens Spethmann, Peguform plastics for Audi cars, Rittal switch cabinets, SAF Otto Sauer axles, Schenker International, Schumacher furnitures Italy, trans-o-flex logistics services, Volkswagen, Carl Zeiss optical and electronic products.

The WMS can be integrated flexibly into the organization, software environment and e-business structure of the customer. WMS is available on client server systems (Unix-/ Linux-/ Windows-server, Windows-client, Oracle) and on IBM AS/400 (DB/2) and provides qualified online-Interfaces for worldclass software systems (e.g. SAP, Baan, BPICS, JDE, JBA u.a.) and for radio frequency communication systems as well as for underlaid systems for high bay warehouse and conveyor control.

High quality, individuality and efficiency, based on the outstanding logistics competence of KuglerConsulting, create significant benefits for the customers: full transparency of the dynamic logistics process, traceability, high process speed, high accuracy, reduction of work load, of time and invested capital, high availability and delivery service degree, very good ROI Return on Investment - and thereby important competitive advantages and independency.

www.kuglerconsulting.com

KuglerConsulting GmbH D-71540 Murrhardt Almstraße 3 Telefon (07192) 9332-0 Telefax (07192) 9332-10
Eingetragene HR Backnang B1776 Geschäftsführer: Steffen Kugler
Deutsche Bank Stuttgart (BLZ 600 700 24) Kto.-Nr. 122808900

07/03

WMS Warehouse Management System

Basic Functions

Dynamic storage location management and inventory management for warehouse with rack store

• Putaway and picking

- putaway dialogue (optimized location by zone, location size, ABC-category, location priority)
- picking dialogue (optimized location by FIFO)
- relocation dialogue

• Information

- display of item by location
- warehouse occupancy display
- item inventory level list
- item by storage location list
- location by item list
- warehouse movement list

• Reference data

- warehouse data
- location data
- item data
- loading medium data
- movement key data
- system data

Additional Functions

• Alternatives of warehouse management e.g.

- bulk store
- fixed locations

• Functional enhancements e.g.

- support of multiple languages
- support of multiple warehouse users/customers
- lot/batch referencing
- stock management by Shelf Life Date / Best Before Date / Expiry Date
- Cross Docking
- Yard Management
- Vendor Managed Inventory
- Value Added Services
- and others

• Receiving

• Shipping

• Logistics Control Center

with TRM Task Resource Management

• Fork-lift control system/ Picking operator control system (with Radio Frequency)

• Additional Putaway functions

• Additional Order picking functions

• Additional Relocation functions

• Stocktaking functions

• Special booking functions

- quality control freeze/release
- customs control freeze/release

• Additional Reference data maintenance

• Additional Information functions

• Analysis/Service functions

• Automatic functions

- radio frequency communication
- RFID Radio Frequency Identification
- rack serving equipment control communication
- conveyor control communication or communication with MFC or PLC control systems
- automated scales

Interfaces

- to ERP-Systems
- to control systems for conveyor, rack serving equipment, sorter and AGV systems
- to other systems in the Supply Chain: Collaborative Business

07/03