



## Warehouse Management System

### Raising Warehouse Operation Efficiency & Improving Inventory Management

To many logistics, retail and trading companies, warehouses play a very important role in their daily operations, making the warehouse operation become a key success factor of their business. However, a warehouse involves complicated workflow processes and tedious transaction logging works, which often result in errors and huge manpower consumption. Meanwhile, the growing demand of flexible and fast response supply chain management also brings a great challenge to the warehouse management.

### Comprehensive Solution for Warehouse Operations

Warehouse Management System (WMS) is a comprehensive solution to address the problems above. The system is designed to automate the daily inventory handling process in a warehouse. It provides the core functionalities for warehouse management, including receiving & putaway, inventory management, stock allocation, picking & packing, shipment confirmation, reporting, etc. Integrated with barcodes and scanning devices or radio frequency identification (RFID) devices, the system further increases the efficiency and productivity in the management of warehouses and inventories.

### Major Benefits of WMS

- ◆ Speed up warehouse operations
- ◆ Improve correctness and readiness of inventory information
- ◆ Reduce labour cost for tedious transaction documentation and inventory calculation
- ◆ Prevent shipment of wrong goods by item validation at picking and packing processes
- ◆ Utilize inventory usage by rule-based allocation of inventory to orders
- ◆ Enable the integration of barcode or RFID devices to increase the efficiency
- ◆ Facilitate the integration with ERP, Order Taking or Distribution Planning Systems to streamline the whole business workflow

## Key Features of WMS

### **Receiving & Putaway**

When arrived at warehouse, items are received according to ASN (Advance Shipment Notice). Putaway is then done to move the received items to the appropriate location. The details of the received items and putaway processes are stored in the inventory database to maintain up-to-date inventory records.

### **Inventory Management**

Users always can access the latest inventory information. On the other hand, the system provides the flexibility to carry out some actions, including inventory adjustment, cycle/physical count, inventory hold and inventory move, to enhance inventory accuracy and maximize space utilization.

### **Stock Allocation**

This process allocates available inventories in the warehouse to orders due for delivery. Allocation rules can be applied to the system to serve different business or product nature. Pre-defined rules such as FIFO, LIFO, Shelf Life, etc can be fitted into the system.

### **Picking& Packing**

After the stock is allocated to particular orders, the warehouse staff has to pick out the allocated inventory. Then the goods are packed into boxes for shipment and the packing details are stored in the system for documentation.

### **Shipment Confirmation**

The confirmation of shipment can be done by order or travel route. When the confirmation is made, inventory is decremented accordingly.

### **Reporting**

Various reports can be generated to keep track of the daily warehouse activities. Examples are Inventory Balance Report to decide stock replenishment schedule and Goods Receiving Report or Shipment Summary Report summarize the inbound and outbound transactions.

### **Support on Barcode/RFID Usage**

The system can be integrated with barcode scanners or RFID tags and readers to facilitate accurate and fast information capture throughout the warehouse workflow.



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