



Warehouse Management System



FalconWMS is an enterprise grade advanced warehouse management system that provides seamless visibility of inventory from the time it enters the warehouse until it leaves the facility. FalconWMS focuses on increasing productivity, maximizing efficiency, improving inventory accuracy and reducing costs. With its low TCO compared to its peers, FalconWMS delivers a quick ROI.

FalconWMS supports multi-site warehousing using Barcode and Radio Frequency (RF) technologies. This suite covers all significant warehousing activities such as receiving, putaway, inventory management, multi-UoM conversions, cycle count, kitting, order fulfillment, quality control, location planning along with picking, checking, packing and shipping.

Seamless integration with all major ERP's, modular design and configurable mechanism helps setup system and perform go-live at reasonable time.

Target Industry

- Aviation & Defence
- Food & Beverages
- Pharma & Surgical
- Fashion & Lifestyle
- Automobile
- Government
- 3rd Party Logistics (3PL)
- Wholesale & Distribution Centers

Key Benefits

- ✓ Improved inventory visibility and accuracy allows for greater planning and control
- ✓ Optimize resources in terms of manpower, equipment and warehouse space utilization
- ✓ Efficient order processing thru optimized pick paths
- ✓ Error free auto data capture with barcode and RFID technologies
- ✓ Controlling purchase from the material flow and ageing analysis
- ✓ High availability of Inventory through improved replenishment and forecasting
- ✓ Improved order fulfillment, accuracy and speed
- ✓ Replenishment alerts
- ✓ Real-time event integration with ERP's (SAP/JD Edwards/Infor/MS Dynamics) for synchronized data
- ✓ Quick view of floor plans with aisle, rack, bay and bins and real-time inventory data through virtual warehouse

INBOUND



FEATURE	DESCRIPTION
Purchase Order and ASN Management	<ul style="list-style-type: none"> ▪ Create/Import PO from ERP systems ▪ Update ASN against PO / Import ASN from the supplier
Receiving	<ul style="list-style-type: none"> ▪ Receive shipments on workstations and wireless handheld devices ▪ Receive against Purchase Orders(PO) and Non-PO's ▪ Generates Receiving Tally Report (RTR) based on PO and supplier invoice ▪ System directed / operator chosen putaway ▪ Multiple receivers receive goods from single RTR ▪ Pallet receiving based on EPC Global standard labels ▪ Barcode/RFID tag printing at receiving ▪ Validate quantities, Kit items on goods receiving ▪ Supports multi-UoM receiving ▪ Inward QC recording and validation as per preset configuration ▪ Min. Transaction UoM validation on receiving
Customer Returns	<ul style="list-style-type: none"> ▪ Customer return based on delivery note



OUTBOUND

FEATURE	DESCRIPTION
Delivery Order Management	<ul style="list-style-type: none"> Create/Import Delivery Order such as Sales/Work Order and Production Order from Line of Business application
Inventory Control & Goods Allocation	<ul style="list-style-type: none"> Performs rules-based goods allocation to outstanding orders Goods allocation is based on contemporary warehouse logic such as FIFO, FEFO, FPF0 and LIFO Allocation based on customer requested material specification Restricts expired, non-conformity material
Picking	<ul style="list-style-type: none"> Goods picking on workstations and wireless handheld devices Goods issue against Delivery Note based on Sales Order and Non-System Orders Generates Delivery Pick Slip (DPS) based on delivery orders Generates packing slip after last pick (label or paper) Automatically assigns delivery orders to operators by warehouse, zone and priority Supports multi-UoM picking based on Material Master configuration
Supplier Returns	<ul style="list-style-type: none"> Supplier return based on Receiving Tally Report (RTR)



❑ CYCLE COUNT

Supports both ABC and Controlled cycle counts:

- ABC- cycle count based on 'Pareto Principle'
- Controlled cycle count based on inventory parameters such as Owner/Location/Material/Batch/Serial/Department
- Blind count to trace the discrepancies and sort them by stock adjustments

❑ LOCATION MANAGEMENT

- Provides virtual warehouse (VW), with interactive features to trace material, create new locations and configure locations in a warehouse
- Locates material to its bin level in the warehouse
- VW provides graphical layouts of zones in the warehouse with bin status for advanced capacity planning

❑ ADJUSTMENTS

Provides capability to adjust inventory levels in the warehouse.

- Customer Returns adjustment
- Internal Use
- Cycle Count adjustments

❑ TRACKING

Tracking discrete balances by lot and/or tracking specific serial numbered items.

- Bin-level tracking
- Capture at Receiving & Picking
- Provides material serial / batch tracking to its bin level
- Identifies expired goods and future expiry goods
- Track movement of goods from receiving till dispatch

❑ REPORTING & DASHBOARDS

- Dashboards with customized widgets rendering graphical data of significant store activities
- Supplier, Operator performance report
- Inward Quality Check Report
- Demand Forecast Report
- Forward, Backward Traceability Report
- Material ageing report, Material replenishment report and subscription service alerts
- Expiry, Shelf life expiry, Asset calibration expiry reports and alert subscription

□ ADDITIONAL FEATURES

ERP / EDI Integration

- Integrates with industry standard ERP systems using real-time synchronization for SAP, JD Edwards, Infor and Microsoft Dynamics
- Communicates with 3rd party applications using EDI standards

Kit Configuration & Management

- Create and Configure Kit Items
- Automatically links the kit items to its parent in Receiving Tally Report (RTR) for Inbound Receiving and Delivery Pick Note (DPN) for Outbound Picking
- Create Phantom/Set Kits with Bill of Material (BOM)

Multi-Zone

Flexibility to define multiple zones within your warehouse and set up discrete rules within each. Features include:

- Restrict allocation based on zone: include zones for picking and replenishment, exclude zones for allocation
- Multiple pickers working on the same sales order in different zones
- Ability to assign barcode / RF label printers for each zone, and direct label printing to their respective zones

Expiry/Shelf life Management

- Provides a flexible method for tracking and validating issue of goods with expiry / shelf life due considerations

Write-offs

- Provides functionality to handle inventory write-offs

Supplier Management

- Provides the capability to manage supplier and their unique codes to support the composite unique identification of material across the inventory

Material Master Management

- Create Material Master data with multiple views of data ranging from Material Requirement Planning, Sales, Purchase, Accounting and Warehouse
- Configure Material Storage Parameters, multiple UoM conversions to capture data during goods movement
- Configure QC attributes to validate on Inward QC for goods receipts
- Configure cross supplier references with price and planned delivery times to influence the purchase
- Support attachments of Product technical data sheets such as CoC, CAD drawings, Profile pictures etc.
- Revision history management for sub assembly and finished good type materials

3PL Features

- Custom contracts on Customer-to-Customer basis, based on rate configuration and discounts
- Custom inventory handling billing for Inbounds, Outbounds, Warehouse transfers and special cases
- Custom storage billing for anniversary and recurring storage
- Storage billing based on piece per Bin, Pallet, Carton on daily basis
- Bulk storage billing based on CBM / SQM
- Packaging capture billing instances for value-added/accessorial in real-time
- Custom service billing for Kitting and Assembly
- Automated invoice generation from billing records created using the custom contracts
- Invoice includes Inward/Outward handling charges, Accessorial charges and Storage charges
- EDI Integration with customer's 3rd Party Accounting Packages

❑ 3rd PARTY INTEGRATION

- Integrates thermal probes in the freezers, capture temperature data from probes at intervals, alerts operators on limit variations
- Integrates GPS services and captures delivery vehicle movements for reporting
- Integrates with shipping delivery systems for FedEx, USPS, DHL, UPS etc.

❑ IMPLEMENTATION STRATEGIES

- On-Premise
- Cloud hosting

❑ TRAINING

- System overview for all stakeholders
- Application installation and configuration (IT team)
- Role based operator training (warehouse supervisor, goods receive operator, pickers and checkers)
- Training for warehouse executives and key decision makers on reporting
- User friendly interactive operations manual

❑ ADMINISTRATION MODULE

- Maintains application global settings and key data maintenance
- Configure application modules and their connectivity
- System security management

❑ SUPPORT

- Customer help desk
- Call support (VoIP / Phone Line), Email support, On-site support

❑ IMPLEMENTATION INFRASTRUCTURE

- Workstations or tablets with standard web browsers
- Windows Servers for application hosting
- MS SQL Server for database
- SOA Architecture
- Windows CE/Mobile based Handheld Scanners
- Industry Standard ZPL support Barcode / RF printers and UHF RFID Tags

