

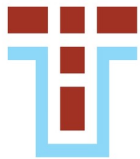
# Mobile Warehouse Manager (WMS)



## Hands Free RF Warehouse Management System

*With more than 30 years of experience and expertise, **TurningPoint Systems** has established itself as a leading provider of enterprise resource planning (ERP) solutions, wholesale distribution and warehouse management systems (WMS), Sales Force Automation (SFA), and direct store delivery (DSD) software for the candy and tobacco industry, food service industry, and pharmaceutical distribution industries.*

*Put our experience and deep expertise to work for your company. We'll show you how to use better technology to increase profitability.*



### **TurningPoint Systems, Inc.**

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**Mobile Warehouse Manager**, from TurningPoint Systems, is a real time wireless warehouse management system that utilizes wrist mount devices with ring scanners allowing not just pickers but **ALL WAREHOUSE EMPLOYEES** to use both hands for all tasks in a paperless environment.

Features include easy to use prompts, scan verification of all warehouse item movements, label printing, batch picking, container quality assurance, truck loading and real time management information views.

Installation typically takes less than a month and the **ROI on Mobile Warehouse Manager is typically less than 12 months!**

Profit Delivery is also available allowing drivers to scan all containers, cartons, and cases at the point of delivery eliminating mis-deliveries.

#### **Key Features:**

- Hands Free Receiving
- Hands Free Put-away
- Hands Free Inventory
- Hands Free Picking
- Hands Free Consolidation
- Hands Free Loading
- Identifies Mis-picks and Overages
- Handles Substitutes and Reason Codes
- Improve Entire Warehouse Accuracy

**RF receiving** allows incoming product to be scanned at the receiving dock or in specific warehouse zones. Once received, items are immediately available for put-away with the system suggesting where to place the product based on standard industry and rotation practices. Product is available for picking directly from the dock, if desired, when put-away has not been completed and inventory is required for picking.

**RF replenishment** allows for both forecasted and emergency replenishment. Forecasted replenishment uses many variables such as movement history, pallet move logic, slot minimum and maximums to most efficiently direct personnel to most efficiently replenish pick locations. Looking not just at the current day's needs, but at the most efficient needs over a period of time based on location size. RF replenishment can reduce the amount of time used for replenishment using these tested algorithms.

**RF order picking** allows warehouse managers to set criteria for picking by zone to most efficiently pick and pack product. Hands free, directed picking into totes, boxes, case picking can be configured by zone. Barcoded labels include the description and quantity of the product that is in each tote and box.

**Managers can monitor the progress in real time** utilizing pick control screens to determine if personnel should be moved from one zone to another to balance the nights picks and loading. A consolidation station can be used to reduce the number of containers going out by consolidating multiple zones into fewer boxes and totes. **Reports are available to show who picked what and average pick rates by zone and by employee.**

**RF Loading:** Pick zones can be configured to use specific loading lanes for consolidation and truck loading. Each container and tote are scanned onto the truck by route and stop. The system verifies that all required containers are placed on the correct truck in the correct order. Management loading screens allow managers to monitor loading progress by truck to effectively manage personnel so trucks are sure to leave at the schedule times.

## Key Features

### Real Time Receiving

- User-defined receiving rules using RF, paper, workstation or combination
- Single receiver, multiple PO's
- Single PO, multiple receivers
- Capture/track lot, date, shelf life, random weights, catch weights, serial numbers
- Commingled pallet support
- Adjust TI-HI
- ASN Support

### Put-Away

- User-defined put-away rules
- RF Directed locations and assignments
- Enforce put-away accuracy through location scanning
- Space optimization via directed put-away, dynamic locations
- Default and exception handling

### Replenishment

- Automatic generation of replenishment assignments
- Forecasted and emergency replenishment
- Batch refill replenishments
- FIFO/LIFO/FEFO rotation
- Free moves

### Order Picking

- User-defined pick rules: pick by order, pick to clean, pick by zone, custom methods
- RF and hands free voice picking supported
- Wave planning, fixed routes, fixed waves, others
- Automatic, semi-automatic, manual assignment dispatch
- Large orders broken down into multiple assignments
- Single shipper, multiple customer orders
- Single customer order on multiple shippers
- Single operator on multiple shippers
- Automatic, semi-automatic, manual inventory allocation
- Rationing, rounding and truck cubing
- Product information capture, catch weights, lot code, date, serial number
- Reserve picking for large quantity orders
- Line skip
- Quality assurance
- Tax Stamping

### Shipping and Loading

- RF truck loading
- Label generation, UCC 128, pallet, container
- Manifest weight information
- Loading based on route, stop sequence
- Order confirmation with ID numbers
- Tote consolidation
- Outbound ASN generation



# Mobile Warehouse Manager (WMS)



## Features (continued)

### Driver Delivery (optional module)

- Automated delivery
- Mobile ordering
- Returns processing
- Eliminate manual processing
- Increase delivery accuracy, improve labor efficiency
- Electronic signature capture
- Invoice/Receipt printing
- Barcode scanning
- Route sales, route accounting

### Other features

- Real time location; inventory, equipment, personnel
- Inter-site transfer; automatic, inbound/outbound orders
- Cycle counts, item, location based, blind, partially blind, informed, user set variance allowances
- Labor tracking
- Web-based inventory visibility
- **One Version of the Truth** - TurningPoint WMS is not a bolt-on solution to our core ProfitPoint ERP. WMS shares a common database and configuration with our ERP, eliminating duplicate databases and reconciliation, and reduced implementation effort.

## Supported Equipment

TurningPoint WMS supports any Windows Mobile RF devices. We recommend the Motorola wearable mobile computer that supports both voice and data for hands-free tasking. TurningPoint has a partnership with Vocollect to provide voice-centric solutions.



### BFC TruckBuilder® (optional module)

TurningPoint WMS partners with BFC Associates to offer their TruckBuilder® module as a component of our core solution to provide enhanced features for Foodservice distributors. The TruckBuilder® is a unique method developed by BFC's Dakota Series Software which allows total control for building pallets and placement of pallets within the truck trailer. TruckBuilder® provides maximum flexibility to create the way you want the pallet picked and the way you want the pallets built on the truck.

TruckBuilder® can be used with Voice selection, RF Selection, Voice with scanners or combinations that make your facility more productive.

### Productivity

- TruckBuilder® is designed for Dakota Voice providing exceptionally low error rates
- Know how the truck should look before selection starts
- Know the way the pallet should be built
- Know what pallet the product is on the truck
- Reduce selectors time
- Reduce loader time
- Reduce driver time
- Higher customer service levels

***“TurningPoint’s WMS allowed us to eliminate all paper during our picking process, reduce staff and reduce virtually eliminate mis-picks. The truck loading scans have also ensured we are placing the right product on the right truck significantly reducing mis-deliveries.”***

**Zach Crapa, Warehouse Manager, Muswick LLC, Little Rock, AR**

## Warehouse Management Benefits

- Reduce labor costs 10% to 30%
- Hands-free Picking
- Improve Space Utilization
- Improve Data Accuracy
- Improve Inventory Location Accuracy
- Eliminate Mis-picks
- Reduce Returns
- Improve Customer Service
- Dynamic Locations
- Eliminate Paperwork
- Reduce Product Expiration / Obsolescence
- Real-time View of Inventory
- Reduce Labor Costs an Additional 10% to 20% with Voice Capabilities
- Real-time Visibility to Inbound Returns From ProfitDSD
- Comprehensive Information to Support Better Decision Making
- Rapid ROI in Less than 12 Months

## Transition to the Cloud with TurningPoint

TurningPoint Cloud provides a combination of enterprise offerings for Infrastructure-as-a-Service (IaaS) and Software as a Service (SaaS). We have been providing application solutions for over 30 years. Now these applications are available in a SaaS based, cloud model. TurningPoint designs, architects and implements private and hybrid clouds to operate in dedicated or virtualized server environments. We provide a broader set of Infrastructure as a Service offerings for **IBM Power** and **Intel x86** server environments. Our growing partnerships enable best-of-breed data center and disaster recovery capabilities.



## About TurningPoint Systems

Since 1979, TurningPoint Systems, Inc. has established an exemplary track record of providing its clients with the advantages of seamless warehouse data management systems, web-based customer portals, mobile computing and financial accounting solutions.

TurningPoint Systems has 30 years of experience in developing and enhancing industry-specific solutions to integrate process with ERP software, including inventory control, distribution management, financial controls and mobile sales force automation software.

TurningPoint's technology is built on the IBM PureFlex platform to provide a highly scalable and virus resistant architecture with a proven reputation for exceptional business resiliency.

In 2012 TurningPoint launched its Infrastructure Services team to provide expert analysis, infrastructure design, hardware and implementation services to customers in all industries to help them to optimize the performance of their IT environment and give them maximum returns on their IT investments.

