

# Benefits of implementing WMS Systems

---

- Improve customer service.
- Keep optimum inventory levels.
- Process sales orders and deliveries speedily.
- Ensure quality of inventory and deliveries – QC on goods receipt and elimination of shipment errors on goods delivery.
- Achieve the optimum use of physical storage space.
- Maintain the physical security of inventory items.
- Control the movement and storage of inventory items (SKU's).
- Maintain accurate inventory records.
- Maintain tight linkages between order processing and the warehouse.

# Receiving Process



**Purchase Order**



**Goods Receipt  
into Staging Area**



**Transfer from  
Staging Area to  
Bin Location**



**AP Invoice**

## Putaway Logic

- Size of bin
- Pre-fixed locations
- Fast moving item
- Use empty bins only
- Other user-defined logic..

# Different Pick Methodologies

---

- **Discrete Order Picking**
- **Cluster Picking**
- **Batch Picking**
- **Zone Picking – Pick and Pass**
- **Zone Picking – Pick and Consolidate**

# Discrete Order Picking



SO# 1



SO# 2



1 order at a time, order picked in it's entirety



# Cluster Picking



**Multiple orders by 1 picker, order picked in it's entirety**

# Batch Picking



Put-to-Order



**Picker only pick specific items assigned to them  
Put-to-Order to sort the picked items into separate orders**



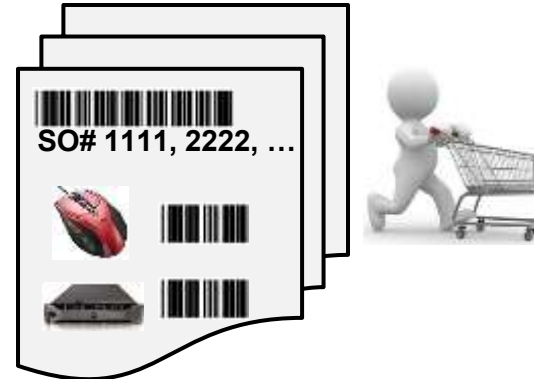
# Zone Picking: Pick and Pass



Zone A



Zone B



**Picker only picked items in their assigned zone and pass the order to the next picker**



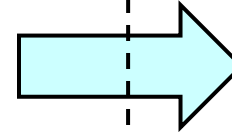
# Zone Picking: Pick and Consolidate



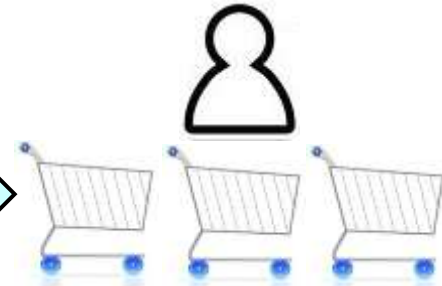
Zone A



Zone B



Put-to-Order



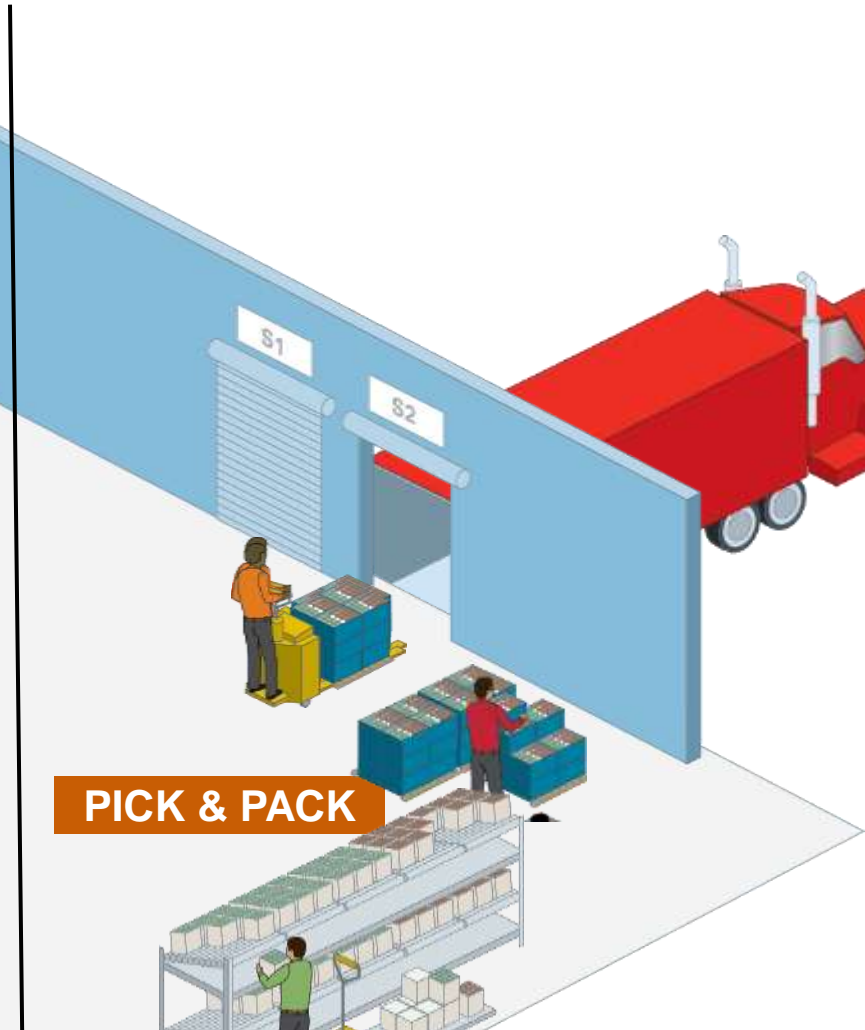
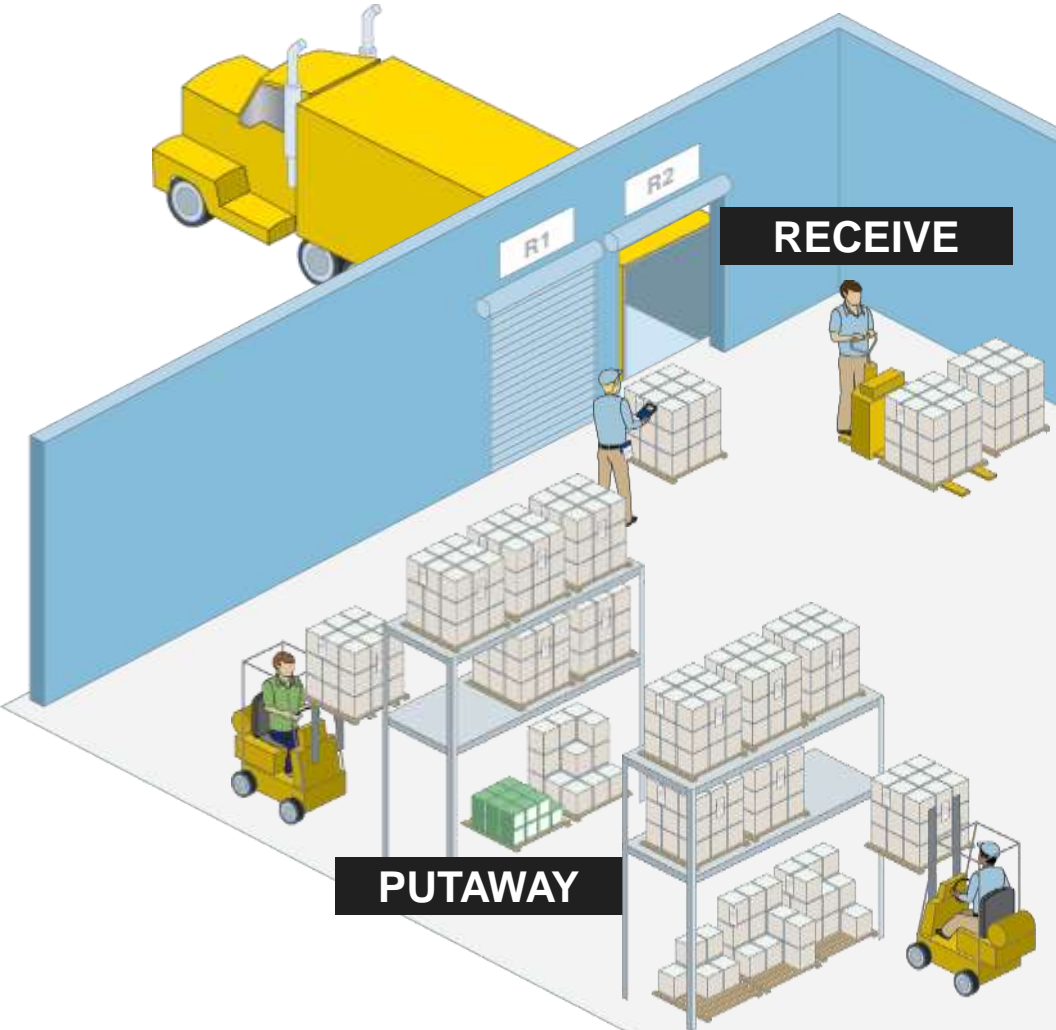
**Picker only picked items in their assigned zone  
Put-to-Order to sort the picked items into separate orders**



# Warehouse Management System Hardware

# WMS Software Workflow

INECOM



Inbound

Outbound

# WMS Hardware

## RECEIVE & INVENTORY



PM4i



CK3B



CK71



PM43



PB 32/50



SR61



CN70e

## PUT AWAY & REPLENISH



CV41



CK3  
Voice



SR61

## Pack / Delivery



CK71



CK3



SR61B/T



PD41/2



PM4i



PB 22/32/50



# WMS Hardware - RFID

Fixed Readers	Vehicle Readers	Hand Held Readers	Printers	Tags / Media
 <p>IF61</p>	 <p>IV7</p>	 <p>IP30</p>	 <p>PM4i</p>	 <p>IT60 Series</p>
 <p>IF4</p>		 <p>IP4</p>	 <p>PF2i</p>	 <p>IT30 Series</p>
 <p>IF30</p>				 <p>IT10 Series</p>

# WMS Hardware - RFID

## Intermec Enabled Forklift *Whole Product Solution for Material Handling*



Rugged Vehicle-Mount Computers



Tethered and Wireless Scanning with Near-Far Imagers



RFID Tags and Media

ReadiCare  
Easy Deployment

Intermec  
INcontrol™

Deployment Planning,  
Site Analysis,  
Installation,  
Managed Services



Vocollect

Voice-Directed Work Flow Solutions



RFID Rugged Interrogators and Antennas



Mobile Label Printers



Device Management,  
Health Monitoring,  
Host Access

SmartSystems

Device Health

Client Pack

Gold Partner