WAREHOUSE MANAGEMENT OVERVIEW

The Systems House, Inc. *mds* NX

TSH USER MEETING 2017

Benefits of MDS-WMS

Manage your inventory as your single largest investment

Improve inventory accuracy

Improve order processing accuracy (less returns)

Improve personnel performance and accuracy

Better utilize warehouse space

Improve customer satisfaction

The MDS Warehouse Management Solution

- **Warehouse Design**
  - Single or Multiple Warehouses
    - Branches or Stock Rooms
  - Location Management in Warehouse
    - Location as a Reference or
    - Inventory by Location (Random Locator System)
    - Receive, Stock, and Sell in Multiple Units of Measure
  - Solid Case and Quick Pick Areas (Low Unit)
    - Primary and Backup Locations
    - Low Unit vs. Bulk Picking
    - Low Unit replenishment
  - Environmental and Security Considerations
  - Lot#, Serial#, Expiration Date Control
  - Quarantine Locations

MDS Warehouse Capabilities

- **Warehouse Management Functions (WMS)**
  - Receiving
  - Put Away
  - Replenishment (location management)
  - Picking
  - Physical Inventory / Movements / Adjustments
  - Returns from Customers and to Vendors

- **Interface to UPS and FedEx**
  - Shipping information is sent out and tracking information is received.

- **Delivery Route Management**
  - Manifest System
  - Proof of Delivery (Signature capture)
  - Package Tracking with Multiple Stops
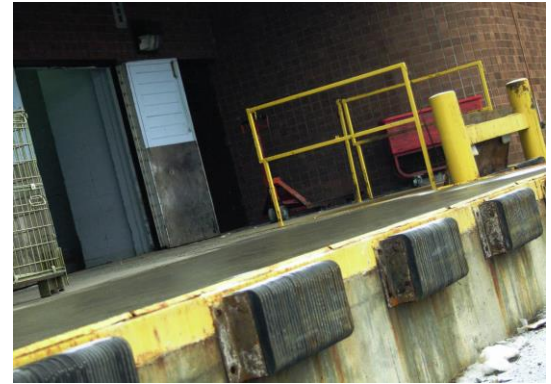
Advanced Capabilities

- **Implement Bar Coding to Improve Accuracy**
    - Not necessarily faster

- **Bar Coding Issues**
    - Product or Location Bar Coding
    - Manufacturer Can Label Products:
        - *Not uniform in many industries such as Medical*
    - Significant Cost to Barcode Items Upon Receipt
    - Bar Codes do not Define Unit of Measure
    - Alternate Solution: Barcode Locations
    - Maintain Product by Location (one item per location)

- **Wireless Solutions**
    - Wi-Fi or RF Receiving, Replenishment, and Picking
    - Automated Picking - Carousel Systems
    - Voice Response Picking

MDSWMS Updated Features

VB.NET Handheld Application – faster, more user friendly, more functional, less prompts.

Receiving/Putaway by Warehouse Zone

Replenishment by Warehouse Zone

Tracking In Pick by Location
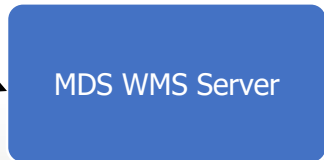
Multiple Primaries – Custom Logic

Stock Rotation

Date Controlled items – Like lots but Lot# defaults to Exp Date.

Serialization support

WiFi Equipment Schematic

Wireless Access Point

ERP or Accounting System

Real-Time Database Server

Local Area Network

Wireless Mobile Computer in Cradle

Long Range Laser Scanner

Hand-held Mobile Computer

MDS WMS Server

Wireless Picking

Wireless Receiving

Wireless Inventory And Replenishment

WiFi PDT Handheld/ Equipment

- MDS Supports any device running Windows Mobile 5,6 or Windows CE.

- MDS supports the Motorola Symbol scanning API.

Warehouse Management Menu

Warehouse Setup

Base.12 - [rs6000d.tshinc.com-BASE.12-WAREHOUSE-MAINT008$1]

File ▾ Edit ▾ Settings ▾ Reset ▾ Tools ▾ Mode ▾ Standard Functions ▾ Special Functions ▾ Refresh Dashboard Help ▾

Customer Service ▾ Purchasing ▾ Warehouse ▾ Sales Analysis ▾ Sales Management ▾ Accounting Menu ▾ File Maintenance ▾ Utility Menu ▾ Optional Systems ▾ Quick Search ▾

Application

MDS Warehouse Maintenance

Warehouse Number   001

		39. Trans Shipping Warehouses		
1.Warehouse Name	THE SYSTEMS HOUSE, INC.			
2.Warehouse Addr 1	1033 ROUTE 46 EAST	1.	100	TEST WAREHOUSE
3.Warehouse Addr 2	SUITE 202	2.	999	RACHEL'S WAREHOUSE
4.Warehouse Addr 3		3.	002	NORTHWEST WAREHOUSE
5.City	CLIFTON	4.	004	THE SYSTEMS HOUSE STORE
6.State	NJ 7.Zip 07013	40.Purch Whse	001	THE SYSTEMS HOUSE, INC.
8.Owning Company	01 Base Medical Supply	41.GLN Number		
9.Phone Number	973-222-7777	42.Allocate At Rcpt	N	
10.Tax Jurisdiction	1 NEW JERSEY	43.Allow Manual Pedigree	Y	
11.Transfer Cust#	001 Bill N	44.Pick Selection		

Warehouse Management

12.Location Control	L	21.Redirect if not in Bulk		30.Replenish Bulk	N
13.Bulk Redirection	Y	22.OE Replen to Max	N	31.Putaway Loc Sort	Y
14.Receiving Location	P	23.Putaway Print	F	32.Rcv Label at Line	N
15.Credit Location	P	24.Rcv Prod Label UM	S	33.Blind PO Receipt	N
16.IM Replen Method		25.Prod Rcv Label Size	1	34.Recv Form Show Open	N
17.Single Product	N	26.LOT Purge Days	1	35.Repl Xfer Fill/Kill	N
18.Prim Replen Method	X	27.Replen at Receipt	N	36.Repl Xfer Full Case	N
19.Remove Location Flg	Y	28.Replen by Zone	N	37.Putaway Bypass	Y
20.Replen Case Rounding	D	29.Interface Type		38.Pedigree by Lot	Y

Please make a selection, OK/END to Save,or Cancel   PAGE 1 OF 4

Help   Ok/End   Insert   Delete   Prev   Next   Inquiry   Cancel   Off   Popup   Duplicate   Userfile

The Systems House   Operator:ME Ready.   8/25/2017 16:57 CAP NUM SCRL

Warehouse Level Parameters

- Location Control in use
- Wireless Picking in use
- Totes in use
- Putaway Method – 1 Step, 2 Step, 2 Step by Zone
- Putaway Print – Labels, Forms, Both, None
- Replenish at Receipt Time
- Bulk Redirection
- Receiving Method
- IM Replenishment Method
- Single Product per location
- Replenishment Method (Min/Max or to Max)
- Remove Location Flag (upon depletion)
- Replenish Case Rounding
- Redirect if not in Bulk
- OE Replenish to Max
- Wireless Receipts
- Location Format
- Location Match
- Interface Type

Location Control and Setup

Product Master File

Inventory and Product Information

Lot Inventory Display

Base.12 - [rs6000d.tshinc.com-BASE.12-LOT.INQ010$1]

File ▾ Edit ▾ Settings ▾ Reset ▾ Tools ▾ Mode ▾ Standard Functions ▾ Special Functions ▾ Refresh Dashboard Help ▾

Customer Service ▾ Purchasing ▾ Warehouse ▾ Sales Analysis ▾ Sales Management ▾ Accounting Menu ▾ File Maintenance ▾ Utility Menu ▾ Optional Systems ▾ Quick Search ▾

Application

Lot Inventory Availablity

Whse	001 THE SYSTEMS HOUSE, INC.		Item	103135			Phentoin Sodium ER 100mg 1000ct
PRICE1		2		3		4	Earliest Delivery
Qty 1		2		3		4	

Avail	On Hand	In Pick	On B/O	In Use	Adj Qty	Trn Qty	In Work	On P/O
9	9							

LN#	Whse	Lot# / Length Serial#	Location	Recv Date Expire Dt	On Hand In Pick	Available	Lot Cost
1	001	H6546-6134	A-777	08/22/17	1	1	12.5000
		1708220000015		12/31/19			
2	001	H6546-6134	A-777	08/22/17	1	1	12.5000
		1708220000016		12/31/19			
3	001	H6546-6134	A-777	08/22/17	1	1	12.5000
		1708220000017		12/31/19			
4	001	H6546-6134	A-777	08/22/17	1	1	12.5000
		1708220000018		12/31/19			
5	001	H6546-6134	A-777	08/22/17	1	1	12.5000
		1708220000019		12/31/19			

Enter END to exit, PREV PG or NEXT PG

Help   Ok/End   Insert   Delete   Prev   Next   Inquiry   Cancel   Off   Popup   Duplicate

The Systems House   Operator:ME Ready.   8/25/2017 17:04   CAP   NUM   SCRL

Lot and Serial Number Tracking Inquiry

Receiving

- **Receiving Form Printed (by Vendor and Purchase Order)**

- **Inspect and Approve Receipt**

- **Receipt and Put Away Information Recorded on Receiving Form**
    - **Form shows current locations**
    - **Placement of inventory determined by warehouse personnel**

- **Generate Bar Coded Labels at Receiving (Optional)**
    - **Product Labels**
    - **Lot#, expiration date, weight**

- **Inventory Receipt Info Entered into MDS System from Receiving Form**
    - **Can be entered in warehouse or office**
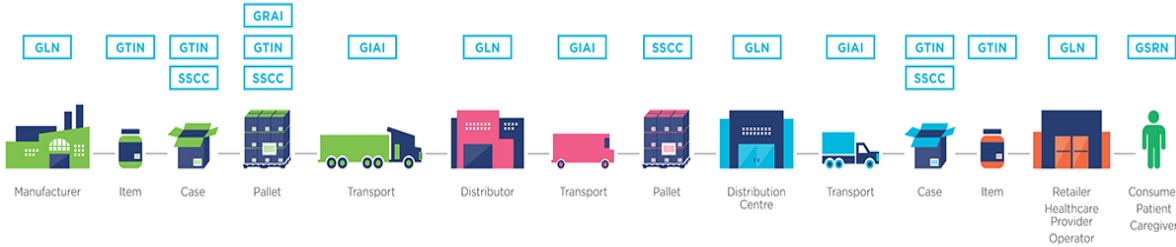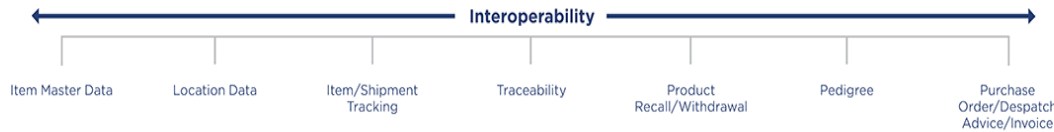
- **MDS supports full Serialization with tracking, serial inquiry and auditing.**

- **MDS now has the capability of creating automated sequential serial numbers during Purchase Order Receipts.**

Serialization

Receiving Form

SKMBT_C35208052115360.pdf - Adobe Reader

File   Edit   View   Document   Tools   Window   Help

1 / 1   90%   Find

PURCHASE ORDER NUMBER: 01131104   VENDOR#: ABCO   VENDOR NAME: ABCO DEALERS INC

LN#	ITEM NUMBER	MFG#	OPEN P/O QTY	UM	RPLN FLAG	LOCATION(S)	RECV LOC(S)	RECV QTY	PROBLEM/ DSCRPNCY
1	GLVE650130 GLOVE NS LTX SM PWDRFREE 100/BOX	Vend Item#:650130	200	CS	000	A-001 A-006 A-100	_____ _____ _____ _____	_____ _____ _____ _____	___ ___ ___ ___
						TOTAL QTY RECVD	_____		
2	GLVE650132 GLOVE NS LTX MD PWDRFREE 100/BOX	Vend Item#:	250	CS	000	A-002 A-101	_____ _____ _____	_____ _____ _____	___ ___ ___
						TOTAL QTY RECVD	_____		
3	GLVE650134 GLOVE NS LTX LG PWDRFREE 100/BOX	Vend Item#:650134	300	CS	000	A-004	_____ _____	_____ _____	___ ___
						TOTAL QTY RECVD	_____		
4	GLVE650136 GLOVE NS LTX XLG PEDRFRE 100/BOX	Vend Item#:650136	300	CS	000	A-005 A-102	_____ _____ _____	_____ _____ _____	___ ___ ___
						TOTAL QTY RECVD	_____		

RECEIVED BY   _____

DATE   _____

CHECKED BY   _____

11.00 x 8.50 in

Label Creation Software
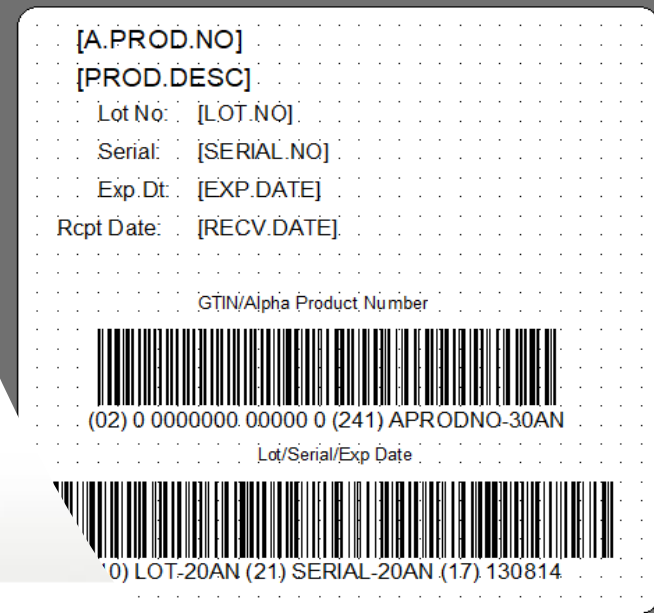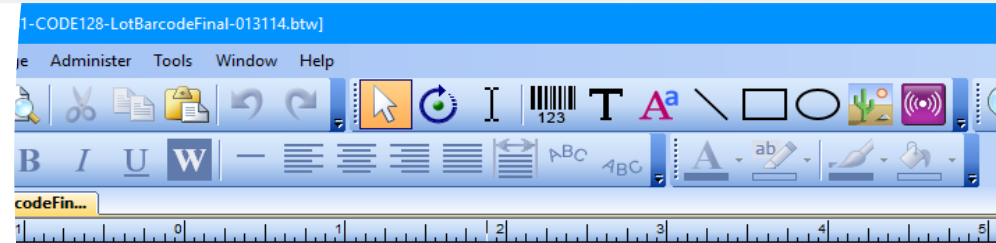
Wireless Menu

Receiving and Put Away Using MDSWMS Wireless

- **Recall Purchase Order(s) to PDT**

- **Inspect and Approve Receipt**

- **Paperless Receiving Using Portable Data Terminals (PDTs)**

- **Receive to "Receiving Location" (Staging Area)**

  Single Receiving Location or by Zone

- **Generate Bar Coded Labels at Receiving (Optional)**
  - Product Labels
  - Lot#, expiration date, weight
  - Pallet Labels

- **Put Away Merchandise and Record Bin Locations using PDT based on:**
  - **Available space in primary location**
  - **Existing backup location**
  - **Additional backup location**
  - **Cross-Docking of Backorders – By Receiver or By Receiver by Zone**
  - **Environmental Requirements (hazardous, security)**
  - **Weight Requirements (i.e. on ground only)**

Put Away Function

- **Receive to "Receiving Location"**

- **Cross Dock Orders**

- **Receive to Bulk Location**

- **Receive to Primary Pick Location**
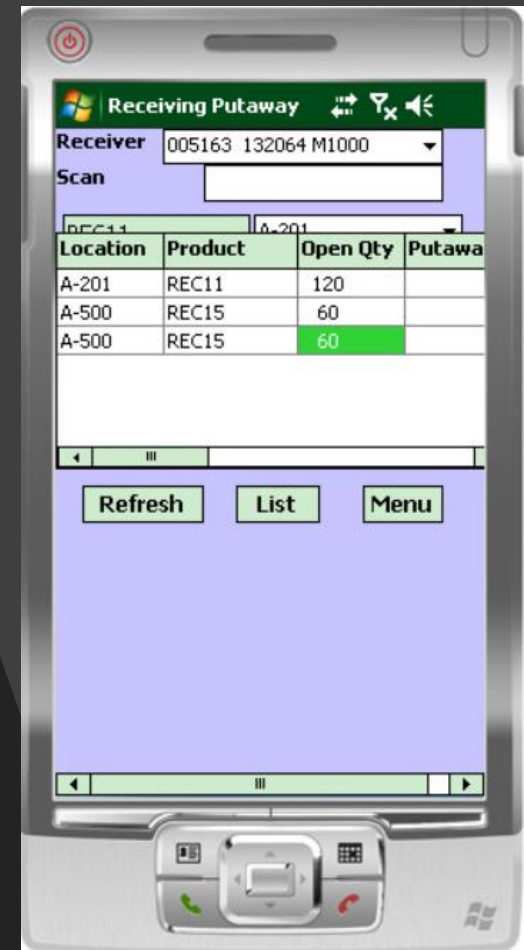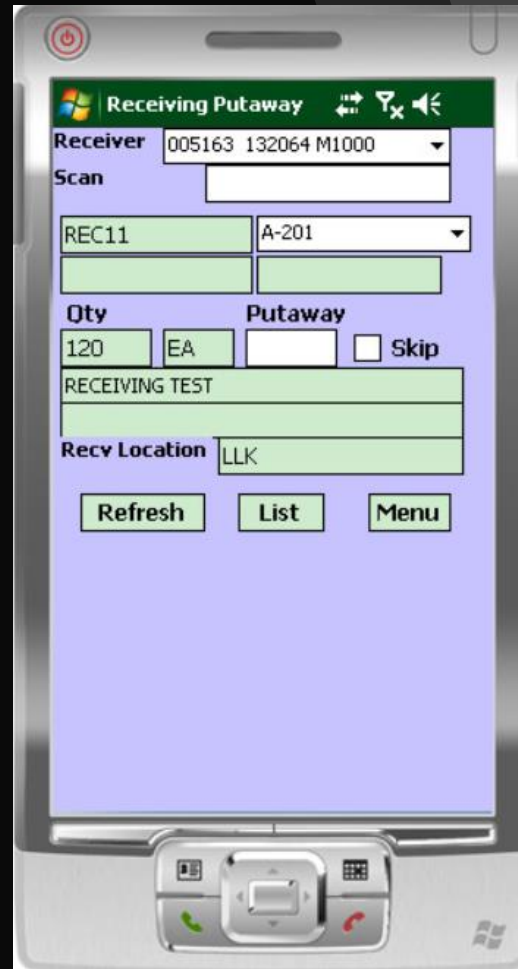
Warehouse Zones

Warehouse Zone Maintenance

Warehouse   001   THE SYSTEMS HOUSE, INC.
Zone   F1

1.Descripton   Flow Rack 1

2.Picking Type (Pallet ID)   D   Diamond Phoenix

3.Receiving Location   A-203

4.Picking Sequence

5.Replenish at Receipt

Please make a selection, OK/END to Save,or Cancel

Help   Ok/End   Insert   Delete   Prev   Next   Inquiry   Cancel   Off   Popup   Duplicate

Replenishment Process

➤ Used if inventory by location has been implemented
➤ Daily and Just in Time Replenishment
  ➤ Daily – Restock all primary pick locations up to pre-determined level (i.e. 3 days supplies)
  ➤ During day – replenish locations falling below minimum
➤ Transfer request generated on paper or electronically
➤ Transfers verified by barcode (Item or Location)
➤ Stock Rotation – Replenishments will pull from the overflow location with the oldest Received Date or earliest Expiration Date

Stock Falls Below Minimum Levels

Transfer Request is Automatically Generated

Transfer is Picked and Verified by Barcode (Item/Location)
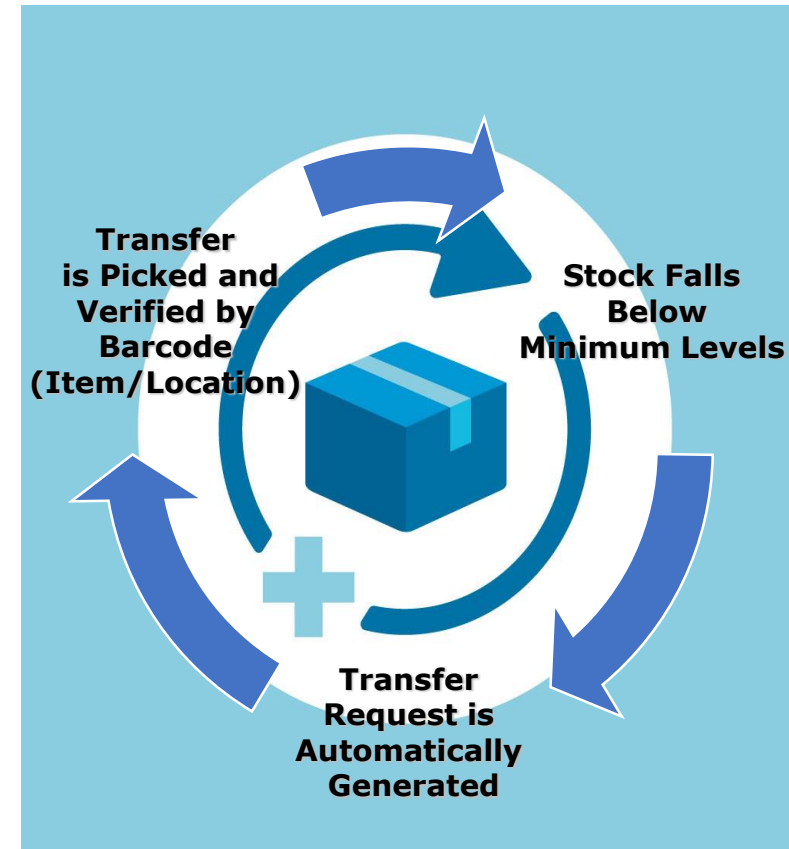
Replenishment Report

```
PAGE     4    *** Replenishment Report ***     12:57:45 05/14/09
SEQ.ID: 002622
```

Product #	Description	From Location	Qty Ord	Qty Req	UM	To Location	Repl Qty	Lvl4 Qty
A34710	VCTR BLD TRANSFER DEVICE	C0105	200	200	EA	0101090302	1	CS20
A39414	APPLCTR CHLOROPREP SEPP	C0114	598	598	EA	0101310201	598	CS1
A52177	DRESS DISK BIOPATCH	C0302	120	80	EA	0101260301	2	CS40
A37887	PROTECTANT SKIN 4 OZ	D0307	24	24	EA	0101180404	2	CS12
A22634	SHAMPOO BABY 4OZ	E0311	60	60	EA	0103070303	1	CS60
A22718	TRANSDU O2 OXISENS LF	F0108	120	120	EA	0101130301	5	CS24
A14026	GAUZ VASELINE 3X18	F0203	116	116	EA	0103120403	116	CS1
A22662	TRAY DRESS CHG	F0315	20	20	EA	0102120101	1	CS20
A12598	STYLET ET SATIN SLIP 14FR	G0215	60	60	EA	0103090604	3	CS20
A22648	TOOTHBRUSH 50 TUFF	G0216	71	71	EA	0103230302	71	CS1
A38881	CLNSR TECHNICARE 12ML	H0112	50	50	EA	0101010505	1	CS50
A52177	DRESS DISK BIOPATCH	H0112	120	40	EA	0101260301	1	CS40
A32822	PAD INFLT IM PAD REG	J0210	4	4	EA	0102050201	1	CS4
A22699	KIT FATHER DEL XLG	K0316	60	60	EA	0102190501	2	CS30

Replenishment

- Transfer ID is scanned.

- On the replenishment picking, each "from" location is scanned.

- On the replenishment put-away, each "to" location is scanned.

- After scanning the "to" location, the product is moved in the system to the new location and an inventory audit is created.
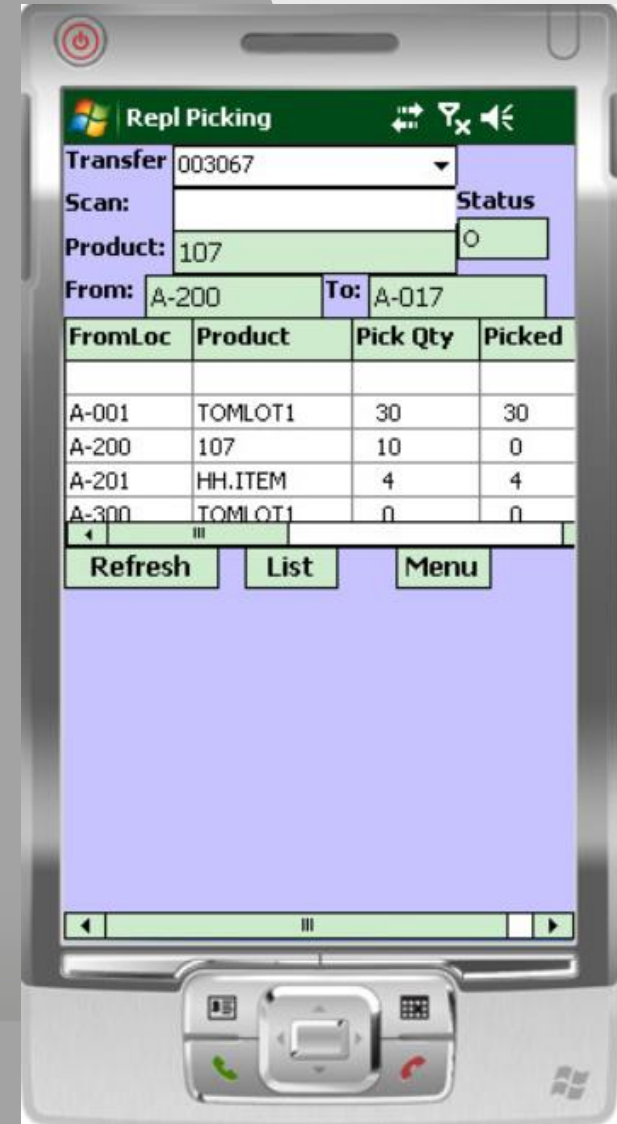
Items can be stored in multiple locations. Selection based on:

- **Earliest expiration date**
- **Oldest merchandise (receipt date)**
- **Solid case vs low unit of Measure**

Items can now have multiple primary locations

- **Primary Location with Quantity Available**

Orders can be grouped for "batch picking"

Replenishment if in use, must precede print

MDS splits each order into picking zones:

- **Automated Picking**
- **Bulk Area (solid cases)**
- **Low Unit Picks**

Picking

Picking

- **Pick Tickets can print upon entry or batched by time Interval**

- **Pick Tickets typically print in pick location sequence**

- **Picker picks items and notes discrepancies on the pick ticket**

- **Order is verified to the system**

- **Packing Slip Printed**

- **Shipping process initiated with interface to UPS or FedEx**

- **Invoice Printed in-line or overnight**

Picking Ticket

PICKING TICKET

T S H

TSH Import Company
1033 ROUTE 46
CLIFTON, NJ 07013

Tel: 973-777-8050
Fax: 973-777-3063

Page: 1

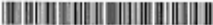**Order Number**

01141727001

Bill-to: UMC

UNIVERSITY MEDICAL CENTER
ACCOUNTS PAYABLE/TRAVEL
400 BROADWAY AVE
NEW YORK CITY NY 10016-1460

Ship-to: CHSPEC   001   SY

CHILD HEALTH SPECIALTIES
ROOM 230 CCD
NEW YORK   NY 10019

Order Date:	05/21/08	Salesman:	SY FERTIG		
Required Date:	05/21/08	Ship Via:	UPS	Route:	NY
Cancel Date:		Customer Order #:	123765		
Order Taker:	SY FERTIG	Caller:	SF		

Special Instructions:	CREDIT CARD	

Line	Location	Item Number / Description	Ordered	UM	Shipped	UM	B/O Qty	Unit Price	UM
4	0100D	BD329431 SYR INSULIN.3CC 29X1/2"	1	BX	1	BX	0	0.000	BX
3	1000A	WA22820 2.5v POCKET OTOSCOPE	1	BX	1	BX	0	0.000	BX
1	1400B	GLVE650132 GLOVE NS LTX MD PWDRFREE 100/BOX	1	CS	10	BX	0	0.000	BX
2	1400B	GLVE650130 GLOVE NS LTX SM PWDRFREE 100/BOX	1	BX	1	BX	0	0.000	BX

Picked By: _____
Checked By: _____

Packing Slip

Invoice

Picking using MDSWMS Wireless

Customer order scheduling based on priority, shipping schedule and personnel availability

+

Items can be stored in multiple locations. Selection based on:
- Earliest expiration date
- Oldest merchandise (receipt date)
- Solid case vs low unit of Measure

+

Replenishment if in use, must precede print

=

MDS splits each order into picking zones:
- Bulk Area (solid cases)
- Low Unit Picks
- Carousel
- Pick to Light Flow Rack (PTL)
- Voice Response

Orders can be grouped for "batch picking"

=

Warehouse manager assigns orders to pickers

Picker obtains next assigned order from PDT

+

Display in pick sequence – picker can change sequence

+

Picker verifies picked items and quantities by barcode (Item or Location)

+

Discrepancies noted for review and correction

+

Order is verified to the system

=

Shipping process initiated

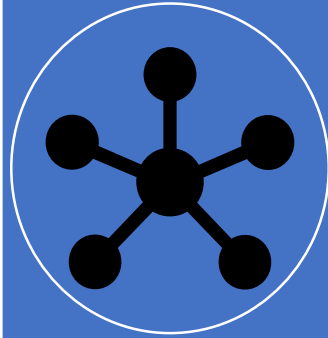# Picking using Totes

Totes are pre-numbered virtual bins.

A tote can represent a container, bin or cart.

If Totes are turned on then each pick line must be attached to one or more Totes.

The Tote # will be prompted for in the Wireless Picking program or can be assigned manually in the Pick Ticket Assignment Update screen.
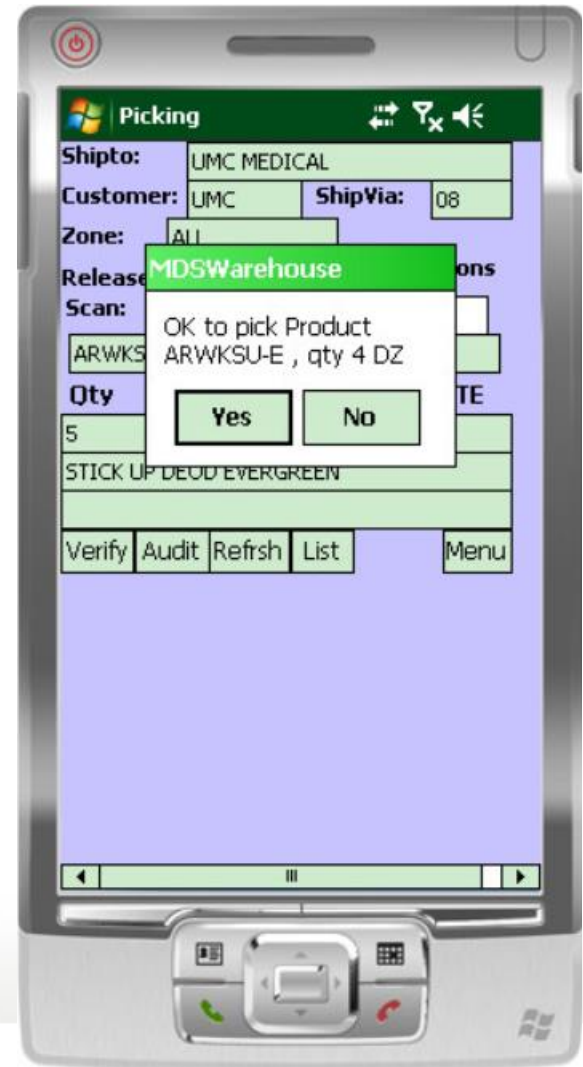
A Tote form can be printed showing all items shipped in each tote

Picking Ticket Assignment

GHS - [ghsshouseisc01.ghs.org-6136 ghs-PICK.TICKET.ASSIGN012$1]

File Edit Settings Reset Tools GUI PDA Standard Functions Special Functions Help

MDS Picking Ticket Assignment

Picker	ALL	Mode=	UPDATE
Pick Status	A		

	Release	S	Date	Time	Ship-To	SV	PR	S	S	Car	S	Blk	Qty	BT	ID	S	LUM	BT	ID	S
1	01152666001	U	05/14	13:07	OPERATING ROO	01	5				C					C	1			
2	01152759001	U	05/14	13:07	LAB CHEMISTRY	01	5				C					C	1			
3	01152939001	U	05/14	13:07	GR2 OPTI CAB 1	01	5			5	U	2	6				1			
4	01152941001		05/14	13:07	OPTI OR CAB 4	01	5			1	P	1	3				1			
5	01152659001	P	05/14	13:06	NURSING UNIT 2	01	5			17	P	5	32		SF					C
6	01152660001	P	05/14	13:06	NURSING UNIT 2	01	5			17	P	3	18							C
7	01152661001	A	05/14	13:06	OPERATING ROO	01	5			1	P					C				C
8	01152663001	A	05/14	13:07	OPERATING ROO	01	5			2	P					C				C
9	01152664001	A	05/14	13:07	OPERATING ROO	01	5			4	P	2	28			C				C
10	01152665001	A	05/14	13:07	OPERATING ROO	01	5			4	P	2	28		SF	P				C
11	01152668001	U	05/14	13:07	OPERATING ROO	01	5			2	S					C				C
12	01152669001	A	05/14	13:07	OPERATING ROO	01	5			3	P	10	57			C				C
13	01152670001	U	05/14	13:07	OUTPATIENT SU	01	5			4	U					C				C
14	01152671001	U	05/14	13:07	RECOVERY ROO	01	5			2	U					C				C

ENTER LINE # TO CHANGE,0 TO ACCEPT   XXXXXX

Det Rel	ToteLabel	Update							
HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off	Popup

Wireless Picking Using Scanners

Automated Material Handling

- **Innovative technologies**
- **Advanced software solutions**
- **Data collection and analysis**
- **Hardware Solutions:**
  - ❖ **Horizontal carousels**
  - ❖ **Vertical carousels**
  - ❖ **Heavy-duty carousels**
  - ❖ **Vertical lift modules**
  - ❖ **Heavy-duty vertical lift modules**
  - ❖ **Storage and retrieval machines**
  - ❖ **Automatic inserter/extractors**
  - ❖ **Pallet conveyor**
  - ❖ **Tote/case conveyor**
  - ❖ **Sortation systems**
  - ❖ **Light-directed picking**
  - ❖ **Voice-directed picking**
  - ❖ **Wireless picking**
  - ❖ **Specialty products**
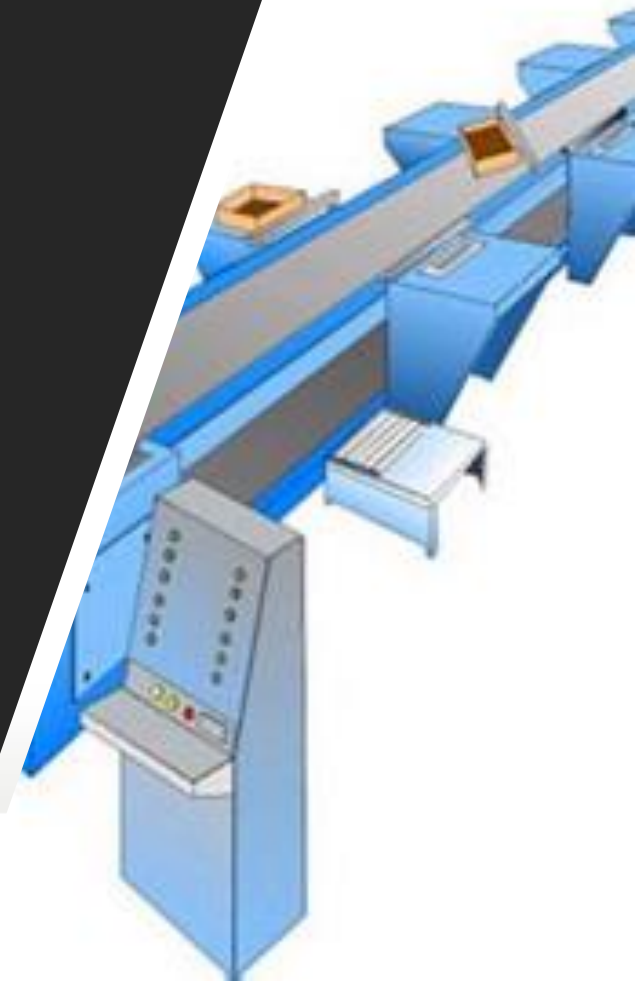
Carousel And Conveyors

Carousel System

- Automated Storage and Retrieval System for High Speed Order Picking

- The PowerPick software works seamlessly in conjunction with the MDS software

- Saves time while increasing productivity, can improve order picking productivity by as much as **600** percent

- Improves order accuracy and inventory control

- Reduces labor costs

- Saves space

Order Consolidation

Totes can have fixed Tote ID's, or the Tote number can be assigned and a tote label prepared by MDS at the carousel or PTL system.

DiamondPick uploads all tote numbers used for an order.

MDS prints labels for the solid case picks with order number and product bar codes.

At consolidation station tote bar codes and solid case labels are scanned:
- Confirm entire order has been picked
- Print shipping labels
- Print packing slip(s) by tote.

Labor Statistics

Labor tracking by picker

- Number of Lines/Hour/Day/Month
- Number of Orders/Hour/Day/Month
- Dollar Value
- Qty of Items picked
- Time to Pick
- Average Lines/Orders
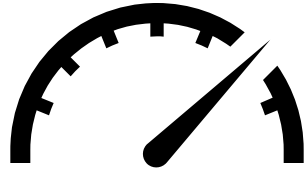
Picker Statistics Report - Summary

```
Wireless Picker Statistics Summary Report - Ran on - 10 Jun 2009   PAGE     1

Picker                    From            To            Elapsed   Lines Lines/Hr    Qty


Picker 00      Jeff Schroeder     04:31am 03/06/08 12:16am 03/21/08     0.00     986       0   15327

Picker 3       Shay Martin                         03:52pm 03/30/08    33.39   12692     380 210279

Picker 4       Rafael Gonzalez                     04:59pm 03/31/09   150.36     344       2    7268

Picker 6       Olive Desire                        01:31pm 03/25/08    26.62   13436     505 203000

Picker 7       Jean Abellard                       02:14am 03/17/09     0.00      33       0     918

Picker 9       Wanda Cheverez                      12:40pm 03/31/08    33.00   21775     660 366077

Picker 11      Carmen Santiago                     04:54pm 03/31/08    33.32   12093     363 178876

Picker 12      Rick Schmidt                        08:47am 03/31/09     0.00    1006       0   15538

Picker 14      Amy Slabinski                       05:01pm 03/31/08    21.52    6642     309 106373

Picker 15      Markus Hayes       07:27pm 03/21/08 02:16am 03/20/09     3.51     244      70    6424
```

Warehouse Procedures

Other Procedures

- Cycle Counts
- Physical Inventory
- Inventory Adjustments
- Transfers
- Customer Returns
- Return to Vendor

*mds*Warehouse
from The Systems House, Inc.

Physical Inventory

Base.12 - [rs6000d.tshinc.com-BASE.12-PI.TAG.GEN010$1]

File ▾ Edit ▾ Settings ▾ Reset ▾ Tools ▾ Mode ▾ Standard Functions ▾ Special Functions ▾ Refresh Dashboard Help ▾

Customer Service ▾ Purchasing ▾ Warehouse ▾ Sales Analysis ▾ Sales Management ▾ Accounting Menu ▾ File Maintenance ▾ Utility Menu ▾ Optional Systems ▾ Quick Search ▾

Application

Physical Inventory Tag Generation

		Date Created	10/11/16
		Time Created	05:39:55pm
Cycle Count Code	1106	Status Code	U

1.Full Physical   N

2.Warehouse Number   001

3.Selection Type   4

		To PO#	
4.From PO# or ALL		To PO#	
5.From Vendor#		To Vendor	
6.From Prod Line		To Pline	
7.From Product#	13876	To Product#	13876
8.From Cycle		To Cycle	
9.From Product Rank		To Rank	
10.From Prod Class		To P/C	
11.From Whse or ALL		To Whse	
12.From Location or ALL		To Location	

13.Generate Tags   Y

14.Blank Tags   2

15.Include only Items with Onhand   N

16.Create Empty Tag for Empty Loc

Please make a selection, OK/END to Save,or Cancel

Help   Ok/End   Insert   Delete   Prev   Next   Inquiry   Cancel   Off   Popup   Duplicate

The Systems House   Operator:ME Ready.   8/28/2017 10:49   CAP   NUM   SCRL

Physical Inventory

Scan tag, location or product and enter counts.
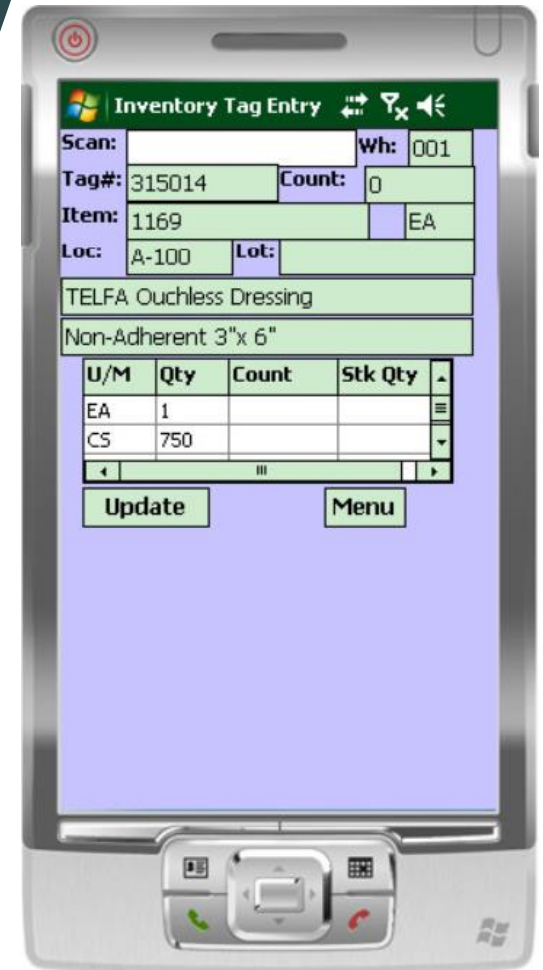
Inventory Inquiry
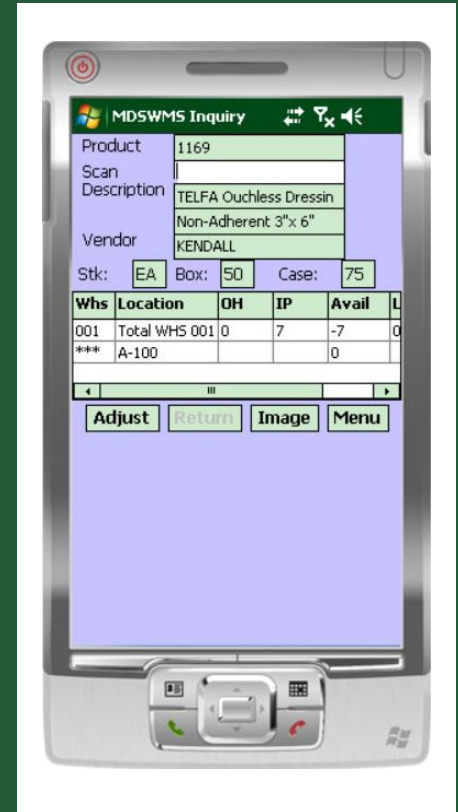
Inventory Transaction Tracking

Reporting

Benefits of MDS-WMS

- Improved inventory accuracy
- Improve personnel performance and accuracy
- Determine time to pick by individual
- Better utilization of warehouse space
- More flexible scheduling