

## MDS Barcode Procedure Guide – DJF 8/9/12

Overview: MDS Allows for both Wireless or Non Wireless Implementation of a barcoding system. The primary goals of this procedure are to improve inventory accuracy, Improve order processing accuracy (less returns) ,Improve personnel performance and accuracy, Better utilize warehouse space and thereby Improve customer satisfaction by providing better fill rates and order accuracy.

Note: Barcoding will make your more accurate but is not always faster than alternate picking methods

MDS offers both Product or Location Bar Coding. Because barcodes are not uniform in the Medical industry and there is a significant Cost to Barcode Items Upon Receipt as well as the fact that many bar Codes do not Define Unit of Measure this procedure guide will assume the Alternate Solution: Barcoding and scanning Locations. This assumes that your company will maintain Product by Location (one item per location) and or one Lot/Serial Item per location.

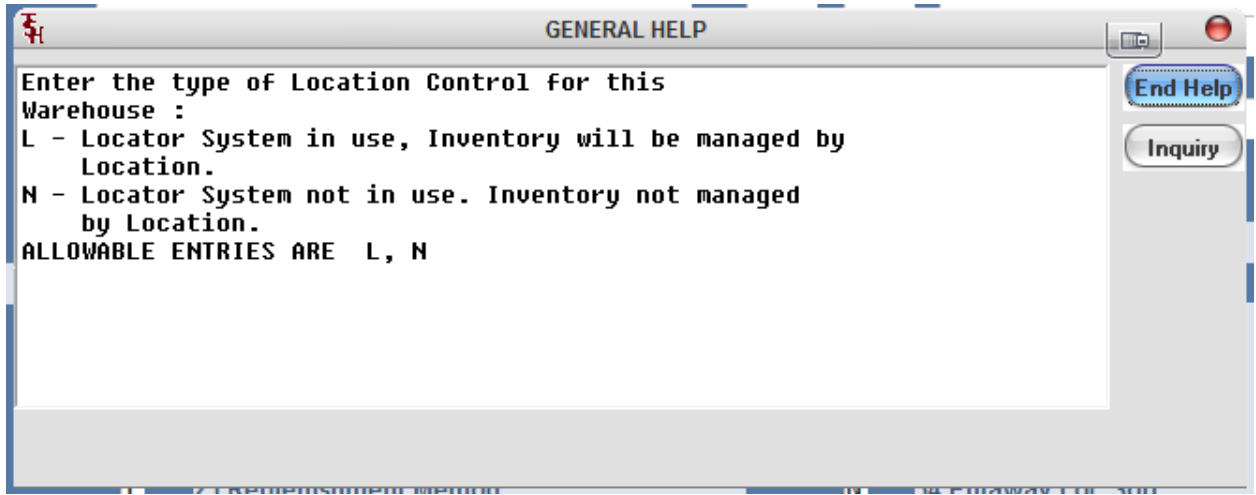
Step 1. Move Items into a single location and turn on option in MDS

The screenshot displays the 'WAREHOUSE MAINTENANCE' screen in the MDS system. The window title is 'DJF - [mail.tshinc.com-AMD.12.TEST-WAREHOUSE-MAINT008\$1]'. The screen is divided into several sections:

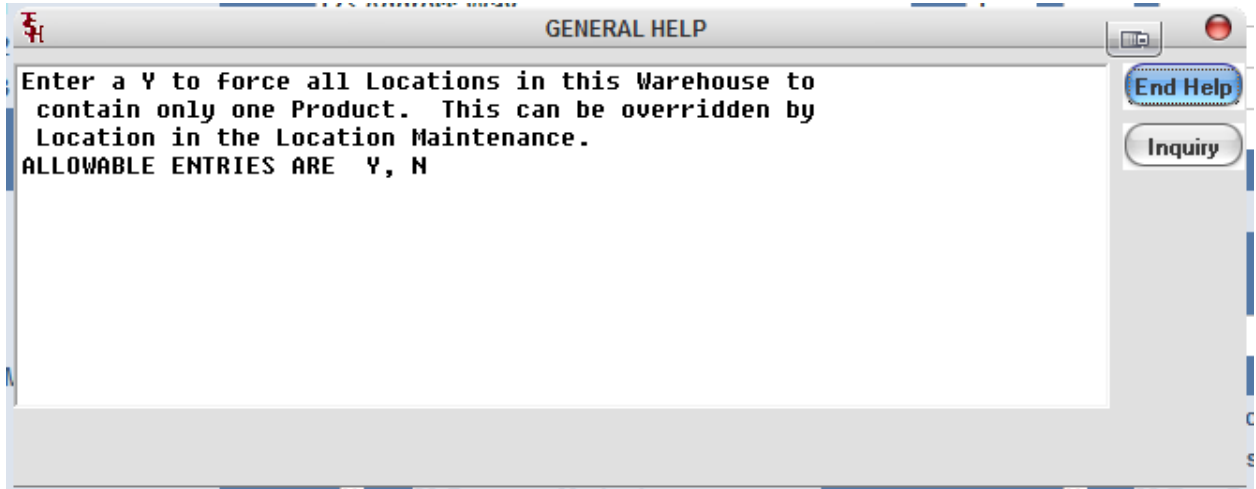
- Warehouse Information:** Warehouse Number: 801. Name: Barcode Demo Warehouse. Address: 123 Address Way, Clifton, NJ 07013. Company: AMERICAN MEDICAL DEPOT.
- Shipping Information:** 38. Trans Shipping Warehouses (fields 1-4).
- Parameters:** A grid of 37 options for warehouse management, including Location Control (L), Wireless Picking (N), Bulk Redirection (N), Receiving Method (B), IM Replen Method (1), Single Product (Y), Prim Replen Method (M), Remove Location Flg (N), Replen Case Rounding (U), Redirect if not in Bulk (N), OE Replen to Max (Y), Putaway Method (N), Track WO InUse (N), Replenishment Method (N), Putaway Print (N), LOT Purge Days (720), Replen at Receipt (Y), Replen by Zone (N), Interface Type (P), Wireless Tote ( ), Tote Purge Days (0), Replenish Bulk (N), Putaway Loc Sort (Y), Wireless PA Opt (N), Rcv Label at Line (N), and Pick by Zone (N).
- Footer:** 'ENTER LINE # TO CHANGE,DELETE TO DELETE,0 TO ACCEPT' and 'PAGE 1 OF 3'.
- Navigation:** A row of buttons at the bottom: HELP, OK/END, INSERT, LDELETE, PREV PG, NEXT PG, INQUIRY, CANCEL, Off, Userfile, and Popup.

Required Options for this setup

A. Location Control needs to set to "L"

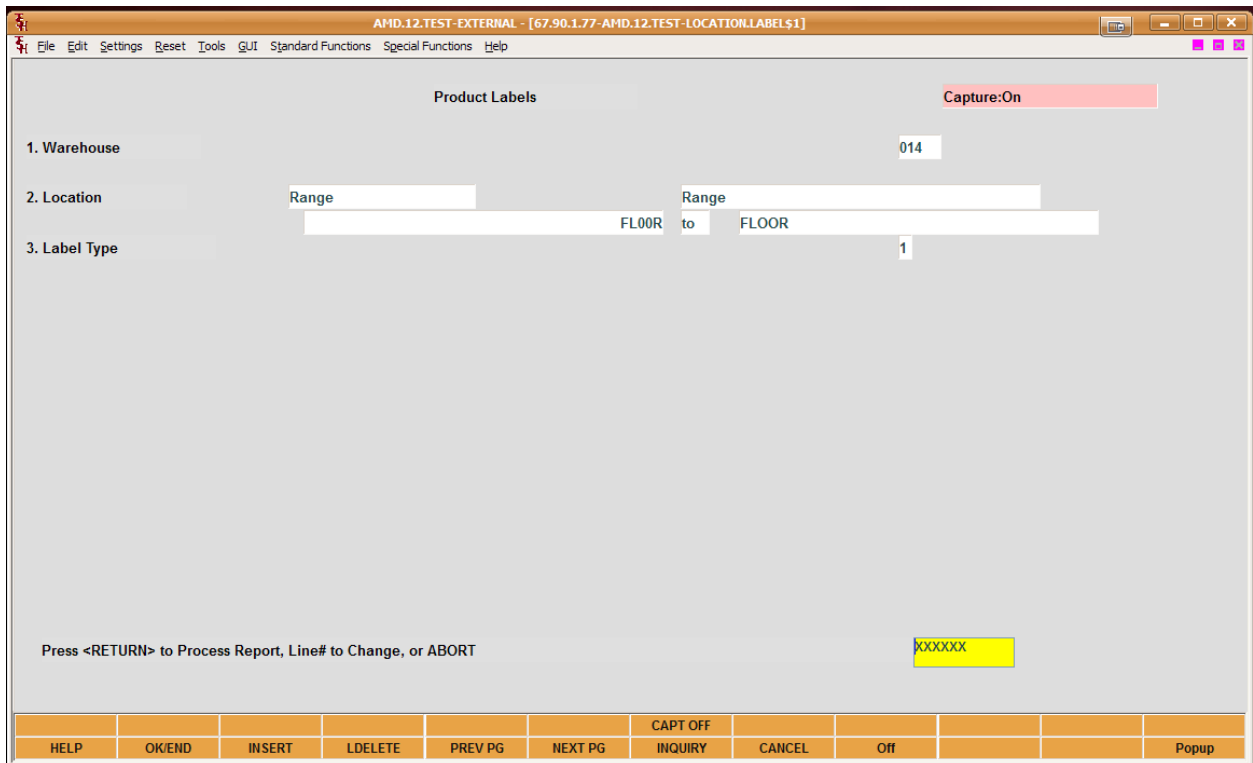
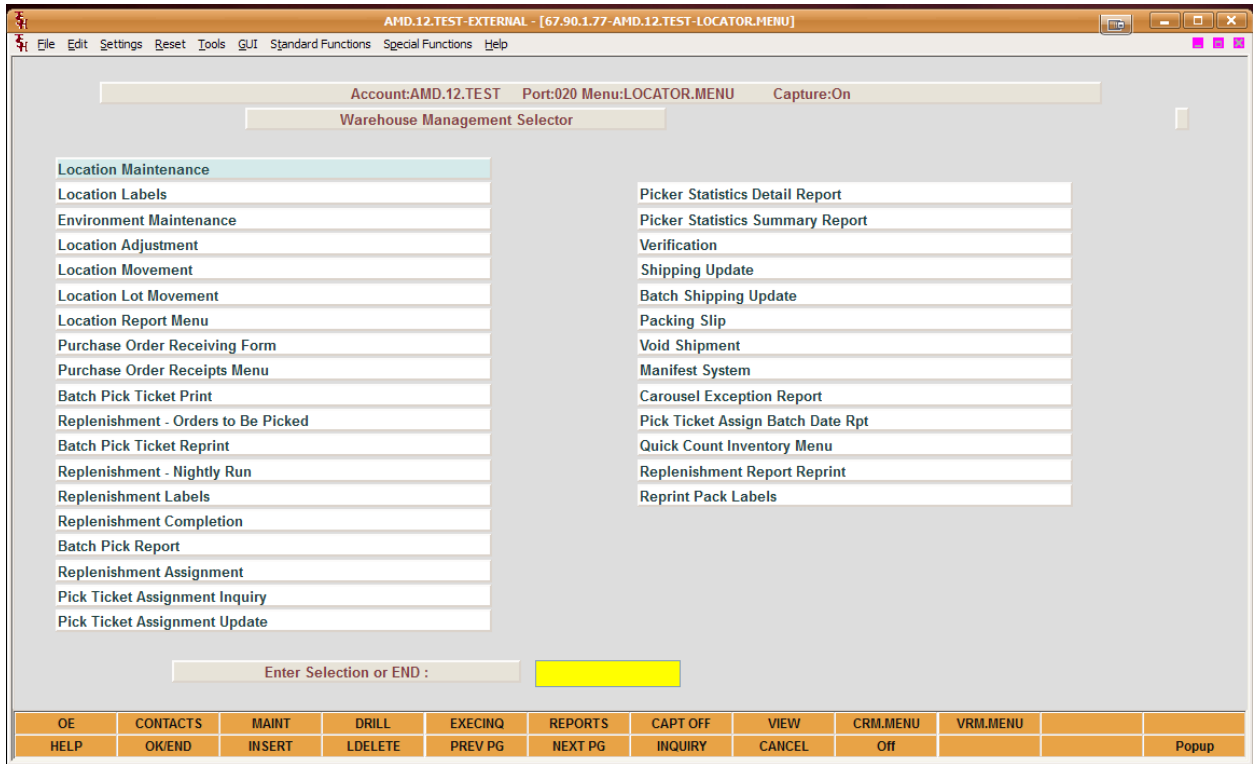


B. Single product per location needs to set to a "Y"



Step 2. Generate Bar Coded Labels for your warehouse locations Location Labels are available in multiple formats. Zebra Printer 2 x 4 , Zebra Printer 2.5 x 4 , LaserJet Avery Label 5163 –

Below is an example Zebra with a logo – our base version doesn't have a logo. You can add it using bartender or leave it off.



After creating your labels , note we would recommend generating label by location ranges so you can print a batch and place on the shelving , if you have metal racking we recommend you purchase some magnetic stock and or sheets and affix the labels you print to them. Uline.com offers many options but

a simple answer is to use Avery 8374 Ink Jet Magnetic business cards. 2 x 3-1/2 – fits nicely on the Zebra 2x4 format , or you can purchase similar items for much less cost - uline offers more industrial level products. Depending on warehouse wear and tear you may not need them and the zebra stock is typically pretty rugged.



Step .3 – Labeling your locations –

Physically setup locations in your warehouse and affix the labels if magnetic then put them on the shelved or slide them into the sleeves for the label. Note: for smaller items or lot control It may make sense to segregate a larger area into smaller ones, example Location AA-12-AB-12 can be a small box on the ROW AA, Slot 12 , Shelf AB , Bin 12 But your warehouse will determine how much you need.

Step 4. Once Labeling – you can use any of the MDS Standard Functions to scan items Here is an example for Picking orders using Scanner's attached to a laptop either via Bluetooth , wireless or usb cable. Each setup will be different depending on your warehouse and needs

For this example you will need


- A. Wireless Laptop or other connection to MDS
- B. Scanner connected to laptop – wireless or Bluetooth or usb
- C. Cart to put laptop on and wheel thru the warehouse

Print your Picking documents as you normally do today they will include a barcode at the bottom to get you started.

SKMBT\_C35208052116540.pdf - Adobe Reader

File Edit View Document Tools Window Help

1 / 1 53.7% Find



**TSE Import Company**  
1033 ROUTE 46  
CLIFTON, NY 07013  
Tel: 973-777-8050  
Fax: 973-777-3063

## PICKING TICKET

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: CHSPBC** 001 SY

CHILD HEALTH SPECIALTIES  
ROOM 230 CCD  
NEW YORK NY 10019

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

Special Instructions: CREDIT CARD

Line	Location	Item Number / Description	Ordered	UM	Shipped	UM	B/O Qty	Unit Price	UM
4	0100D	BD329431 5YR INSULIN 3CC 29X1/2"	1	BX	1	BX	0	0.000	BX
3	1000A	RA22820 2.5V POCKET OTOSCOPE	1	BX	1	BX	0	0.000	BX
1	1400B	GLVBS50132 GLOVE NS LTX MD PWDFREE 100/BOX	1	CS	10	BX	0	0.000	BX
2	1400B	GLVBS50130 GLOVE NS LTX SM PWDFREE 100/BOX	1	BX	1	BX	0	0.000	BX



Picked By: \_\_\_\_\_

Checked By: \_\_\_\_\_

Login mds and enter the verification screen. – note this methodology replaces the picker/packer model with a single person scanning. The concept being that if they scan it it will verify they picked the correct item. – However you are still requiring them to enter a qty. For greater control and accuracy we recommend the MDS Wireless warehouse module.

AMD.12.TEST-EXTERNAL - [67.90.1.77-AMD.12.TEST-SSS.VE.HDR.INPUT305\$1]

File Edit Settings Reset Tools GUI Standard Functions Special Functions Help

MDS Verification Header Input RELEASE#  
 OE CO [ ] [ ] WHSE [ ] [ ] #####

BILL CUSTOMER DT [ ]

TO	Country	1.SHIP TO	Country
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]
[ ]	[ ]	[ ]	[ ]

2.SHIP DT [ ] 12.ROUTE [ ] STOP [ ]  
 3.COMM % 0.00  
 4.AS OF DT [ ] 13.FREIGHT CLASS [ ]  
 5.SALESMAN [ ]  
 6.SHIP VIA [ ]  
 7.TERMS [ ]  
 8.SPEC INS [ ]  
 9.ORD SRC [ ]  
 10.CUST PO# [ ]  
 11.M/BILL [ ]

MDS INQ.	AR INQ									
HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off		Popup

Scan your release number and start picking , your ticket should be in location sequence so you can walk up and down the rows with your cart.

At each location scan the location barcode to indicate you are picking that item.

DEMO-12-ALT - [TSHPE2.TSHINC.COM-demo.12-SSS.VE.LINE.INPUT011\$1]

File Edit Settings Reset Tools GUI Standard Functions Special Functions Help

MDS Verification Line Input REL# 141515-001  
 CD 01 Whse 001 Customer UMC UNIVERSITY MEDICAL CENTER

LN#	Product Number	Pick Qty	/ UM	Invoice Price	/ UM	Cancel Disc%	Curr Carton SRC	Cost	/ UM	More
1	4644 BAND-AID SHEER 1X3" 100/B	24	/ BX	4.540	/ BX		0	3.088	/ BX	
2	516937 SYRINGE ONLY 6CC	11	/ BX	6.740	/ BX		0	4.635	/ BX	
3	36700 APPLI 6" ST COTTON TIP 1'	10	/ BX	4.250	/ BX		0	2.157	/ BX	
4			/		/				/	
5			/		/				/	

Enter Line# to Change, Scan Product, or 0 to Accept XXXXXXXXXXXXXXXX

MDS INQ	AR INQ	GROUP	LOTS	COMMENTS	SERIAL#S	PICK/LOC	CHG CARTN	PICK/CTN		
HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off		Popup

If you wish to provide carton level detail to a customer you can turn that option on via the warehouse maintenance (step 1) otherwise it will assume all items are in a single carton (this is optional)

DEMO-12-ALT - [TSHPE2.TSHINC.COM-demo.12-SSS.VE.LINE.INPUT011\$1]

File Edit Settings Reset Tools GUI Standard Functions Special Functions Help

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3	36700 APPLI 6" ST COTTON TIP 1'	10	/ BX	4.250	/ BX		0	2.157	/ BX	
4			/		/				/	
5			/		/				/	



Enter Line# to Change, Scan Product, or 0 to Accept XXXXXXXXXXXXXXXX

MDS INQ	AR INQ	GROUP	LOTS	COMMENTS	SERIAL#S	PICK/LOC	CHG CARTN	PICK/CTN		
HELP	OK/END	INSERT	LDELETE	PREV PG	NEXT PG	INQUIRY	CANCEL	Off		Popup

Once the location is scanned the line that the item appears on will be highlighted and you can then update the item's quantity or default the quantity based upon the flags in the warehouse file. (default missing quantity as cancelled or backordered by flags)

Once the order is completely picked you can then complete verification as your normally would , enter picker/packer etc and or update any freight amount.

You can then complete the order and print a packing slip/ labels once you return the front of the warehouse or place the box with the picking ticket in it on a conveyor and start picking the next order.

	<b>TSH Medical Supply</b> 1033 Rt 46 East Suite A202 Clifton NJ 07013 USA		
<b>Customer #: 123AAB</b> David Fertig 12032 Mocking Lane Suite A201 Clifton NJ 07013-1203 USA <b>Ship Via : UPS Ground</b> PO# AG11113			
 12345678			
06/10/10	12:23pm	Box 001	of 003

You would then place the completed box with the picking ticket on a shipping station, weight it and scan it into ups/fedex etc this will bring up the shipping update screen and you can then print a packing list or invoice and seal the box.

Then place the box on a pallet and await the pickup from your carrier.



Your picker will scan the next release and continue down the rows

This model is single order centric and is not the fastest method but can expand easily to allow for batch picking or a more complete wireless system.