



Multi-Bin Processing For MAS 90 and 200

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Installation Instructions and Cautions

PLEASE NOTE: MAS 90 must already be installed on your system before installing any IIG enhancement. If not already done, perform your MAS 90 installation and setup now; then allow any updating to be accomplished automatically. Once MAS 90 installation and file updating is complete, you may install your IIG enhancement product by following the procedure below.

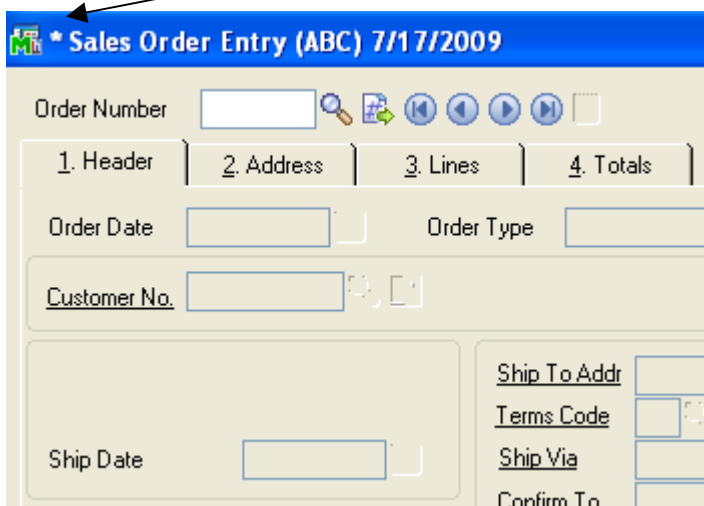
Wait! Before You Install – Do You Use CUSTOM OFFICE?

THIS IS AN IMPORTANT CAUTION: If you have Custom Office installed, **and** if you have modified any MAS 90 screens, you must run **Customizer Update** after you do an enhancement installation.

But wait! BEFORE you run **Customizer Update**, it is very important that you **print all of your tab lists**. Running **Customizer Update** will clear all Tab settings; your printed tab list will help you to reset your Tabs in Customizer Update. **Custom Office** is installed on your system if there is an asterisk in the title bar of some of the screens. The asterisk indicates that the screen has been changed.

An **asterisk** in a window's title bar indicates that the screen has been modified. This means that **Custom Office** is installed.

Follow all the instructions on this page before you run **Customizer Update!**



Registering IIG products

IIG Enhancement should be registered to be able to use it. If registration is not performed, the enhancement will work in a demo mode for a limited time period. The registration can be still done during the demo period.

Select the **IIG Product Registration** program under the **Library Master Setup** menu of the MAS 90.

If this option is not listed under the Library Master Setup menu, go to the main menu, and select **Run** from the **File** menu. Type in SVIIGR and click **OK**.

Enhancement	Level	Release Date	Serial Number	Unlocking Key
IIG Enhancement Name	4.30		AAAAAAAAAAAAAAAAAA	BBBBBB

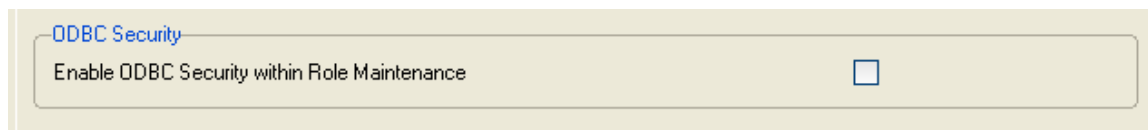
Enter **Serial Number** and **Unlocking Key** provided by IIG, and click **OK**.

If multiple IIG Enhancements are installed, Serial Numbers and Unlocking Keys should be entered for each enhancement.

Use the **Print Registration Form** button to print IIG Registration Form.

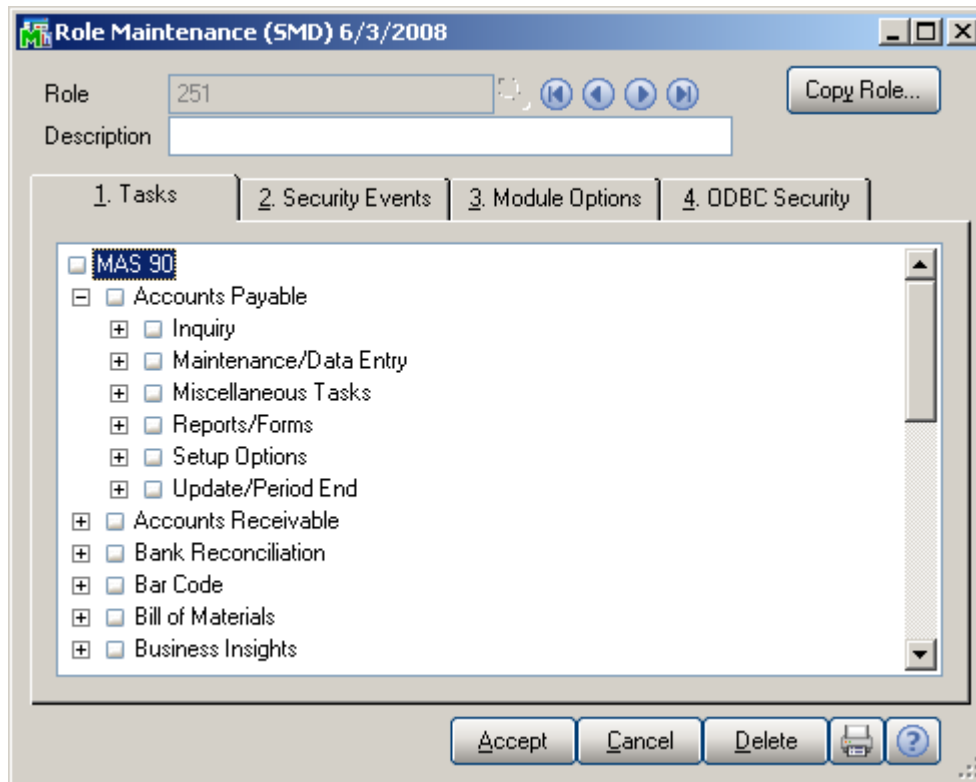
ODBC Security

After installing an **IIG Enhancement**; it is **very important to verify** whether or not the **Enable ODBC Security within Role Maintenance** check box is selected in the **System Configuration** window of your system. If it is selected you must assign ODBC security permissions and allow access to custom data tables/fields for the Roles defined in your system.



Role Maintenance

After installing an **IIG Enhancement**, permissions must be configured for newly created Tasks and Security Events.



Introduction

The IIG's Multi-Bin Processing Enhancement allows users to work with multiple bins in warehouses for processing items.

Multi-Bin Processing Options

Select **Multi-Bin Processing Options** from the **Inventory Management Setup** menu.

Run the **Multi-Bin Processing Options** program immediately after the Multi-Bin Processing enhancement is installed. The **Multi-Bin Processing Options** program must be run also when data is copied from a company to a one that is newly created.

This program should be run in order to create all the required files and to expand existing files as required for set-up of Multi-Bin Processing.

Run the program in order to avoid occurrence of error conditions related to installation.

The screenshot shows the 'Multi-Bin Processing Options' dialog box with the 'Main' tab selected. The 'Sale From Bin By' dropdown menu is set to 'Bin Priority'. The following options are checked:

- Sales Order Entry Commits Inventory in Bin
- Pick Sheet Auto Distribution
- Pick Sheet Ordering from Back Ordered
- Pick Sheet Back Ordering from Ordered
- Back Ordered Qty Auto Bin Distribution After Update
- Print Lines with Qty On Hand <=0 in Pick Sheet
- Allow Editing Committed in Bin Details
- Auto Distribute to Receiving Bin during Receipt
- Allow Negative Distribution
- Next Batch Number: 00002
- Allow Bin Segment

Buttons for 'Accept', 'Cancel', and a printer icon are located at the bottom of the dialog. The status bar at the bottom of the window displays 'IIG ABC 9/9/2008'.

The **Sale From Bin By** option enables auto distribution in MAS 90. This means that MAS 90 will distribute items by bin location during Sales Order and Invoice Processing based on the options selected in this drop-down box.

Available options are the following:

None: Disables the feature.

Receiving Date: The program will process items by receiving date.

Smallest Quantity On Hand: The program will distribute items by the smallest available quantity.

Bin Priority: The program will distribute items by bin priority.

Check the **Sales Order Entry Commits Inventory in Bin** box to enable distribution by bin during Sales Order Entry.

The distribution will then be transferred into the invoice during Sales Order invoicing.

Note: Do not change this option after entering any information on SO. It will produce a wrong calculation on committed quantity in bin locations.

Check the **Pick Sheet Auto Distribution** box to have items distributed automatically in the Picking Sheets instead of Sales Orders. Note that if this option is selected, a Pick Sheet should be printed before invoicing an order.

The **Pick Sheet Ordering from Back Ordered** and **Pick Sheet Back Ordering from Ordered** check boxes are available only if the **Pick Sheet Auto Distribution** box is checked.

Check the **Pick Sheet Ordering from Back Ordered** box to allow auto distributing from back ordered quantity, if there is quantity available to distribute, and moving that distributed quantity to quantity ordered.

Check the **Pick Sheet Back Ordering from Ordered** box to allow moving to back ordered the quantity from ordered, if there is no quantity available to distribute.

Check the **Back Ordered Qty Auto Bin Distribution After Update** box to enable Auto Bin Distribution for the Back Orders being created during update.

Check the **Print Lines with Quantity On Hand <= 0 in Pick Sheet** box to include lines with Quantity On Hand less or equal to zero in the Pick Sheet Printing.

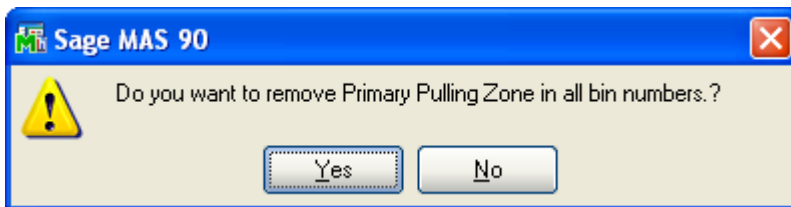
Check the **Allow Editing Committed in Bin Details** box to enable changing the Committed Quantity in the **Bin Distribution Details** screen of the **Inventory Maintenance** program. The editing is allowed only for the users with Supervisor rights.

Check the **Auto Distribute to Receiving Bin during Receipt** box to enable automatic distribution of the quantities received to the special **Receiving Bin** specified for each **Warehouse**.

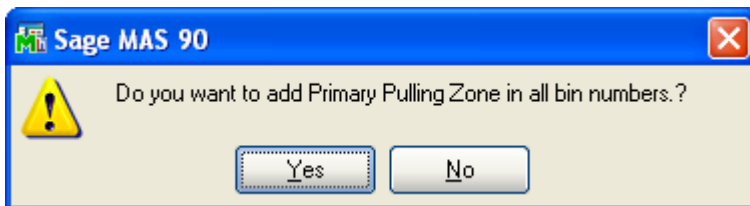
Select the **Allow Negative Distribution** option to enable distribution of negative quantities in Sales Order, Invoice Data Entry and wherever the Quantities are committed.

The **Next Batch Number** field indicates the batch number to be assigned to the Bin Transfer when processing transfers through the I/M Bin Transfer Entry.

If the **Allow Bin Segment** checkbox is not selected, then after pressing Accept the following message box will be displayed:



If the **Allow Bin Segment** checkbox is selected, then after pressing Accept the following message box will be displayed:



The **Additional** tab has been added to the **Multi-Bin Processing Options** program to allow specifying the **Bin Number** according to **Zone** and three **Segments**. The Segments define how the Bin Location is defined.

The screenshot shows the 'Multi-Bin Processing Options' dialog box with the 'Additional' tab selected. The 'Zone' section has a checked 'Zone' checkbox, 'Primary Pulling Zone' set to 'A', 'Overstock Zone' set to 'B', and 'Segment Count' set to '3'. The 'Segments' section contains a table with 3 rows and 4 columns: 'No.', 'Size', 'Description', and 'Sorting in Wave Picking'. The 'Accept' button is highlighted.

No.	Size	Description	Sorting in Wave Picking
1.	1	Aisle code	1 Ascending
2.	3	Row code	2 None
3.	5	Level code	3 Descending

IIG ABC 9/9/2008

The Bin Number consists of 10 digits where the first one is the **Zone**, and it can be one of the following 38 characters (blank (none), from 1 to 9, and from A to Z). The rest 9 digits are divided among the three Segments.

By default, the **Zone** box is unchecked, corresponding to blank Zone, to allow grouping already existing Zones. If the **Zone** box is checked, current Zone will be added to the Bin.

The **Segment Count** can have up to 3 Segment Nos.

The total **Size** of the segments is 9. The **Size** field can be edited.

By default the Descriptions of the Segments are Aisle code, Row code and Level code, but they can be modified.

The **Sorting** field allows sorting the **Segments** by the following criteria: **Ascending**, **Descending** and **None**.

Setting Up a Default Bin

The SWBINI program is intended to enable Multi Bin processing for all warehouses of current company and setting up a Default Bin for each warehouse.

Note: The SWBINI program is necessary to run only in case you need multi bin processing to be enabled for all the warehouses of current company or when upgrading from lower versions of MAS (3.xx, 4.00) with MBN enhancement installed.

The SWBINI program should be run before starting to use the Multi-Bin Processing enhancement, for each Company.

If Multi-Bin Processing enhancement has not been used on the system before, the program will mark all the Warehouses as Using Bins, create Default Bin in each Warehouse, and put all the quantities available on hand into those Default Bins.

If Multi-Bin Processing has been used in lower versions of MAS (3.xx, 4.00), the program will mark all the Warehouses as Using Bins, leaving the existing Bins and quantities in them intact.

The SWBINI program should be run for each Company prior to making Multi-Bin-specific changes in that Company (warehouses, bins maintenance).

The program run at any time will not corrupt any data.

Before running SWBINI program please make sure:

1. Inventory Transaction journal is updated.

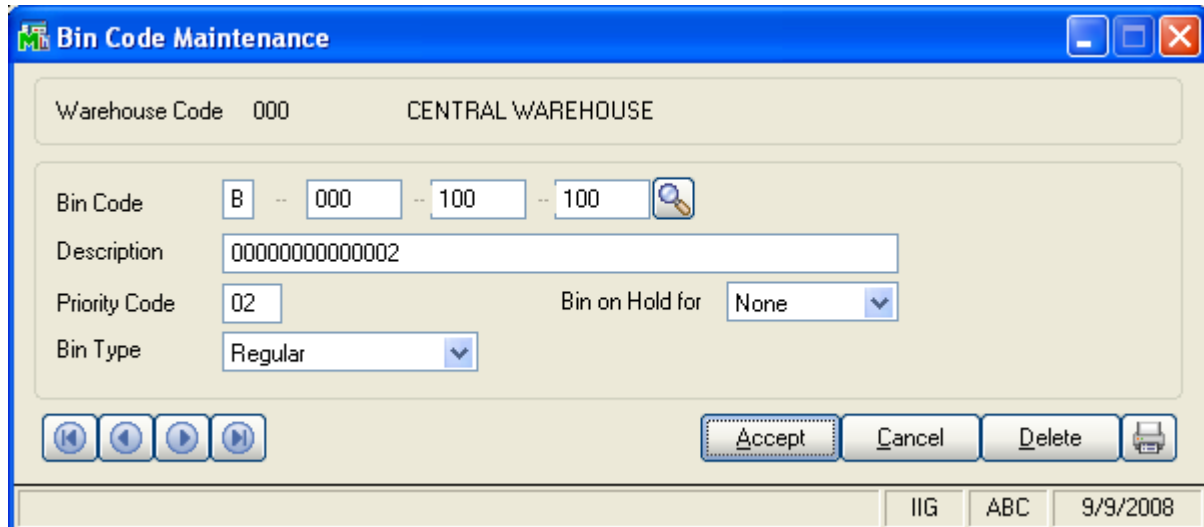
2. Inventory Physical Count Variance Register is updated.
3. Sales journal is updated.
4. Receipt journal on PO module is updated.
5. Return journal on PO module is updated.
6. Production Entry journal on BOM module is updated.
7. Disassembly journal on BOM module is updated.

Select the Run option from the File menu. Type in the following letters – SWBINI – and click OK

Bin Code Maintenance

The **Bin Code Maintenance** program has been modified to allow specifying **Bin Number** by **Zone** and **Segments**.

The **Bin Code** has been modified to conform to the Bin Location segment processing.



The screenshot shows a software window titled "Bin Code Maintenance". At the top, it displays "Warehouse Code 000" and "CENTRAL WAREHOUSE". Below this, the "Bin Code" field is populated with "B -- 000 -- 100 -- 100" and includes a magnifying glass icon. The "Description" field contains "000000000000002". The "Priority Code" is "02" and "Bin on Hold for" is set to "None" with a dropdown arrow. The "Bin Type" is set to "Regular" with a dropdown arrow. At the bottom of the window, there are navigation buttons (back, forward, etc.), "Accept", "Cancel", "Delete", and a printer icon. A status bar at the very bottom shows "IIG", "ABC", and "9/9/2008".

The **Bin Type** can be specified in the corresponding field.

Click the **Lookup** button to display the **I/M Whse Code/Bin Code File** screen.

The screenshot shows a software window titled "I/M Whse Code/Bin Code File". It contains a table with the following data:

BinNumber	BinDesc	PriorityCode	OnHold
A-AE2-001-0	Original bin location		N
A-AE2-002-0	Original bin location		N
A-AE2-003-0	Original bin location		N
A-AE2-004-0	Original bin location		N
A-AE3-001-0	Original bin location		N
A-AE3-002-0	Original bin location		N
A-AE3-003-0	Original bin location		N
A-AE3-004-0	Original bin location		N
A-AE4-001-0	Original bin location		N
A-AE4-002-0	Original bin location		N
A-AE4-005-0	Original bin location		N
A-AE5-001-0	Original bin location		N
A-AE5-002-0	Original bin location		N
A-AE5-003-0	Original bin location		N
A-AE5-004-0	Original bin location		N
B-000-100-100	00000000000002	02	N

Below the table is a search section with a dropdown menu set to "BinNumber", a "Begins with" dropdown, and an empty text input field. A "Find" button is to the right. Below the search section are buttons for "Filters...", "Custom...", "Select", "Cancel", and icons for Excel, Print, and Help. At the bottom, a status bar shows "Found 53 records", "IIG ABC", and the date "9/9/2008".

Wave Replenishment

The **Replenishment...** button has been added on the **Quantity on Hand & Reorder** screen to allow specifying the necessary quantities for the selected Item in the current warehouse. The button will be shown only for the Bin Warehouses.

Item No. 1001-HON-H252 Replenishment ... Totals Recap Qty History...

Warehouse Code 001 EAST WAREHOUSE Bin Detail...

Bin Location: E-300-10

Reorder Method: Maximum Stock Level

Economic Order Qty: 10.00

Reorder Point: 5.00

Minimum Order Qty: 5.00

Maximum On Hand: 20.00

Item Inventory Status

Unit of Measure	EACH
Qty on Hand	990.00
Qty on Purch Order	0.00
Qty on Sales Order	10.00
Qty on Back Order	5.00
Qty Req for Work Order	0.00
Qty on Work Order	0.00
Total Qty Available	975.00
Qty in Shipping	0.00
On Hand less in Shipping	990.00

Remove Whse OK Cancel

Click the **Replenishment** button.

The **IIG WMS Wave Replenishment Quantity** screen will be opened to allow entering the quantities for each bin.

The **Overstock Qty** is the sum of the Qty-s Per Bin.

IIG WMS Wave Replenishment Quantity

Item No. 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK
 Warehouse Code 001 EAST WAREHOUSE
 Unit of Measure EACH
 Overstock Qty 240.00
 Minimum Qty 5.000 % 12.00

Bin Location A-AA1-001-0__
 Description Original bin location
 Qty Per Bin 55.00

Bin Locati...	Lot/Serial Number	Description	Qty
A-AA1-001-0__		Original bin location	55.00
A-AA1-002-0__		Original bin location	100.00
A-AA2-001-0__		Original bin location	85.00

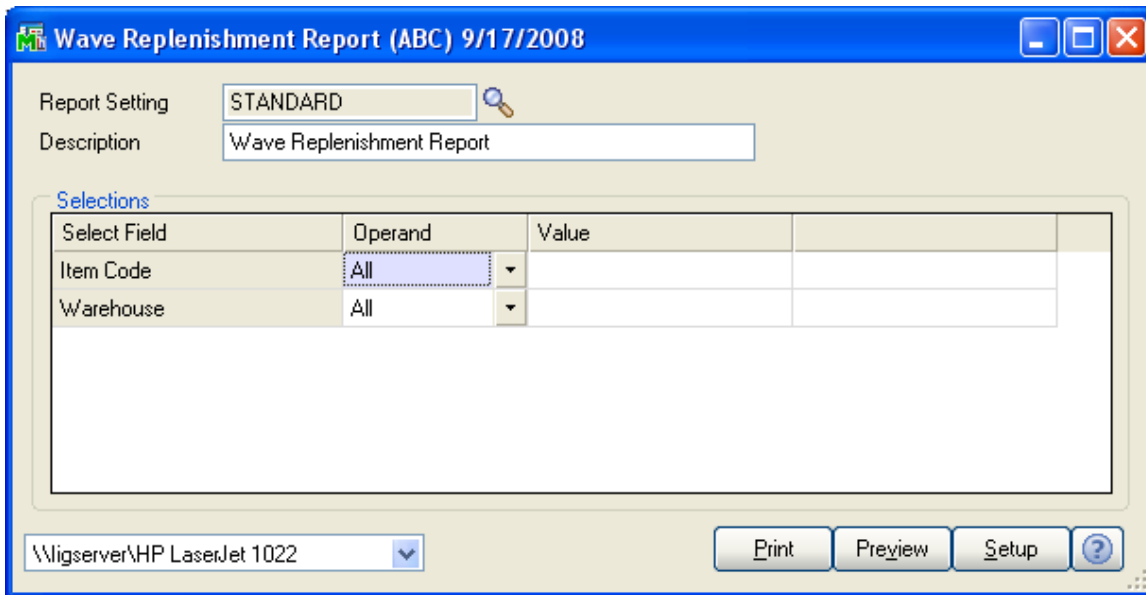
The **Minimum Qty** in percentage (%) is the minimum data precision and the Minimum quantity is equal to Overstock Qty* %.

The Replenishment report will be printed if the **Qty on Hand** of the item in the selected warehouse becomes less than the difference between the **Overstock Qty** and **Minimum Qty** and the quantities will be adjusted by the **Overstock Quantity**.

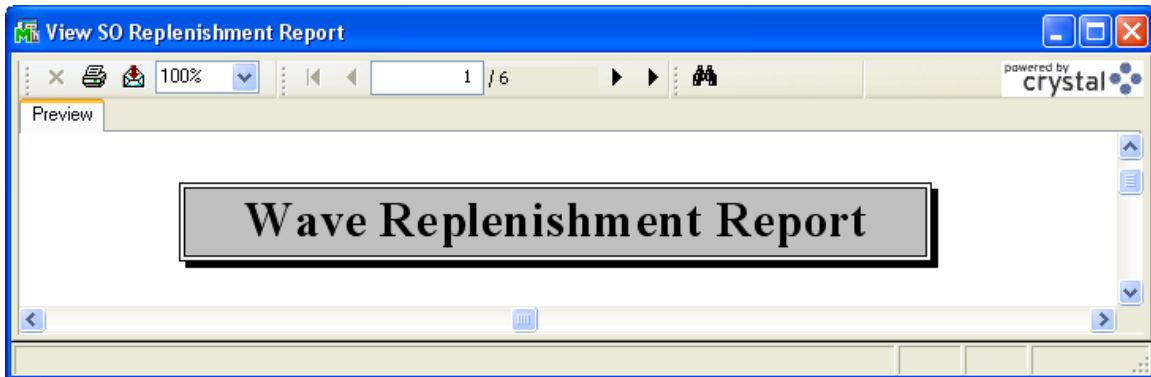
Only the Bins with the first character of their Bin Code matching with the character of Primary Pulling Zone field specified in the Multibin Processing Options will be included. All other Bins previously entered with first character different from the Primary Pulling Zone field will be displayed in red and will be skipped in the Replenishment report.

Wave Replenishment Printing

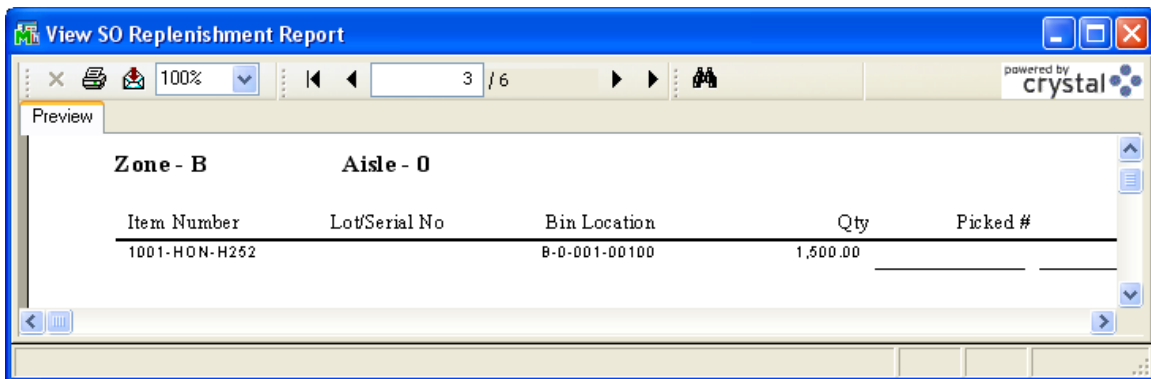
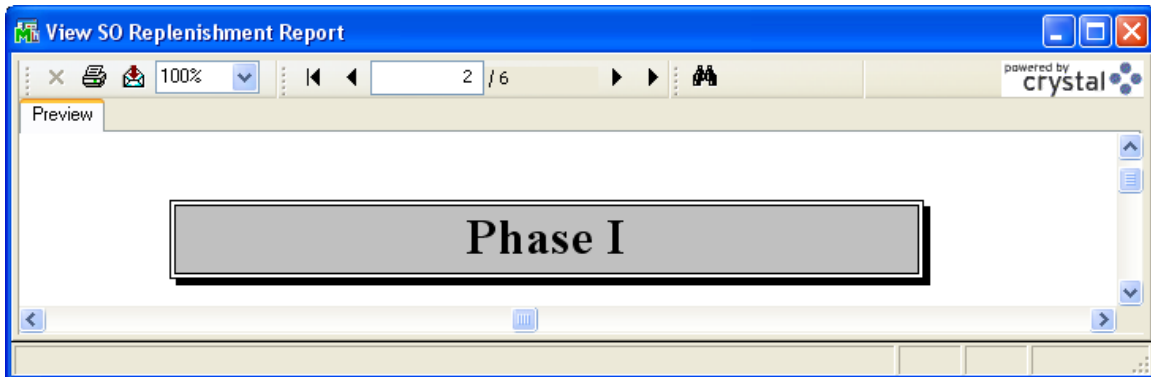
The **Wave Replenishment Printing** program has been added under the **Sales Order Main** menu to allow wave replenishment printing.



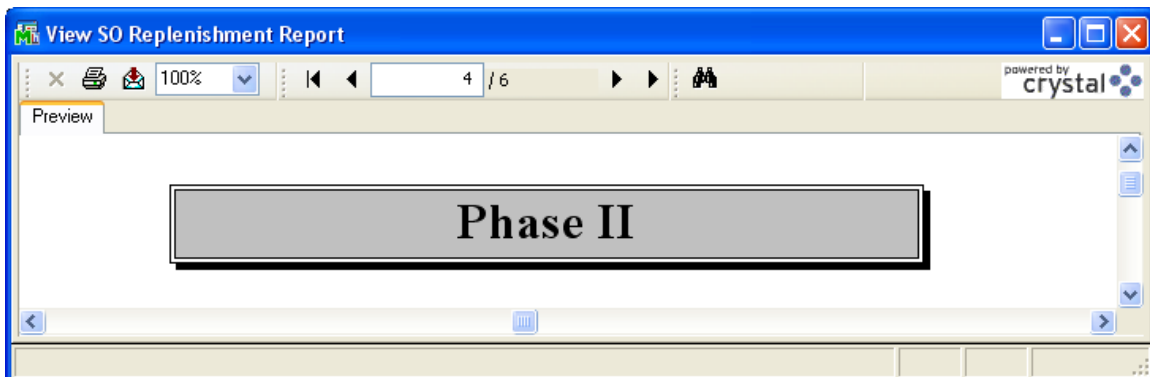
The report is printed in 2 phases:



In **Phase I**, report is generated by **Aisle** from the **Overstock Zone** based on the stock needed to replenish the **Pulling Zone**.



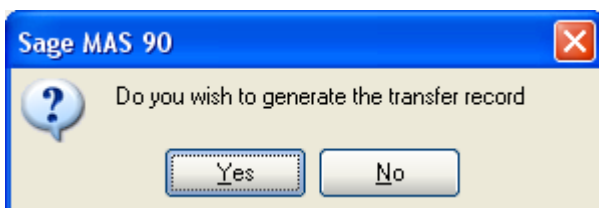
Phase II displays the item quantities that will be transferred to the corresponding bins of the Pulling Zone.



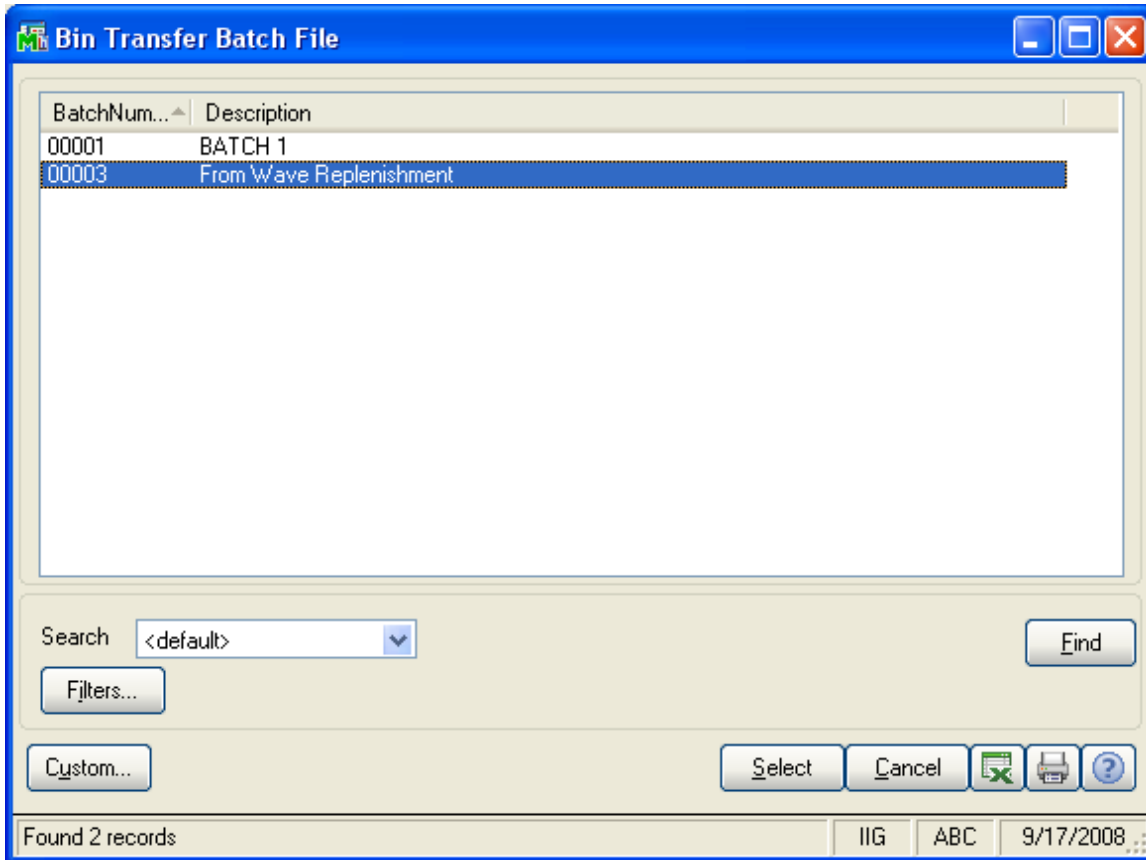
The screenshot shows the same window, but the report preview now displays a table with the following data:

Item Number	Lot/Serial No	Bin Location	Qty	Picked #
1001-HON-H252		A-A-001-00100	998.00	

When closing report, the following box will be displayed to allow choosing whether or not to generate the transferred records.



After selecting Yes, a new batch will be generated in **Bin Transfer Entry** where Bin transfer records will be generated.



Bin Transfer Entry

Warehouse Code: 000 CENTRAL WAREHOUSE

Item Number: 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK

From bin: B-0-001-00100

Quantity to Transfer: 998.00 Available Quantity: 0.00

To bin: A-A-001-00100

OK Undo Del

Whse	Item Number	Lot/Serial	From Bin	Qty	To Bin
000	1001-HON-H252		B-0-001-00100	998.00	A-A-001-00100
000	1001-HON-H252		B-0-001-00100	502.00	A-A-A20-040

Keep Warehouse Keep Bin Keep Item Batch: 00003

Select All Unselect All Del. sel. lines Cancel Print

IIG ABC 9/17/2008

Warehouse Code Maintenance

Select the **Warehouse Code Maintenance** program under the **Inventory Management Setup** menu.

Check the **Use Bins** box to start using the Bins for the selected Warehouse. The **Bin Maintenance** and the **Receiving Bin Number** options are available only for Warehouses using Bins.

No Bin Processing functionality is available for Warehouses not Using Bins.

When selecting the **Use Bins** option the following message box appears:

If **Yes** is selected, the program checks if there is Bin Location for the Warehouses then uses that one; otherwise it creates a Default bin.

If **No** is selected, then Bin creates by default.

Note that if the **Use Bins** option is cleared for a **Warehouse**, the entire **Bin Information** (Bin Numbers, Item Quantities for Bins) will be cleared, and you will not be available to restore it.

Click the **Bin Maintenance** button to open the **Bin Code Maintenance** screen for the selected warehouse.

After setting up Bins for the Warehouse, you can select the **Receiving Bin Number**, if the **Auto Distribute to Receiving Bin during Receipt** box is checked in the **Multi-Bin Processing Options**.

If the **Auto Distribute to Receiving Bin during Receipt** box is checked, and there is Receiving Bin specified for the Warehouse, items will be automatically distributed to that Bin when receiving with the **Receipt Of Goods** program.

The **Bin** selected as **Receiving Bin**, cannot be deleted from the **Bin Maintenance**.

The screenshot shows the 'Bin Code Maintenance' window. The 'Warehouse Code' is 000 and the warehouse is 'CENTRAL WAREHOUSE'. The 'Bin Code' is 'A -- A00 -- 100 -- 100'. The 'Description' is 'Receiving Bin'. The 'Priority Code' is '01'. The 'Bin on Hold for' is set to 'None'. The 'Bin Type' is 'Regular'. The window has navigation buttons and 'Accept', 'Cancel', 'Delete', and a printer icon. The status bar at the bottom right shows 'IIG ABC 9/9/2008'.

The **Priority Code** is used for auto-distribution by **Priority**.

The selected **Bin** can be set **on Hold**, preventing from either automatic or manual distribution to that bin, during **Sales, Receiving, or Both**.

None means the Bin can be used for distribution freely.

Bin on Hold for Sales means it is not available (in the lookups and for manual entry) and cannot be used throughout the **Sales Order module** and in the **I/M Sales Transactions**.

Bin on Hold for Receiving means it is not available (in the lookups and for manual entry) and cannot be used throughout the **Purchase Order module** and in the **I/M Receipts Transactions**.

Bin on Hold for Both means it is not available and cannot be used for either **Sales** or **Receiving**.

Bin Distribution Entry

You should distribute items in the **Bin Distribution Entry** screen, for the **Warehouses Using Bins**, from the following MAS 90 programs:

- Inventory Transactions
- Sales Order Entry (optional depending on the MBN Setup setting)
- Sales Invoice Entry
- Shipping Entry
- Purchase Order Receipt of Goods Entry
- Purchase Order Return of Goods Entry
- Return Merchandise Authorization Entry
- Return Merchandise Receipt Entry
- Bill Of Materials Production Entry
- Bill Of Materials Disassembly Entry
- Work Order Transaction Entry (Material Issue and Completion types)

Bin Number - List Entry

Item 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK U/M EACH

To Bin Number	Available	Distribute
A-A-E30-010__	980.00	0.00
A-A-E30-010__	980.00	0.00

Distribution Balance 1.00

Accept

The **Bin Distribution** screen is not available in any program for the Warehouses not Using Bins.

For this screen opened from the Receipt of Goods, Transactions Entry (for Receipts and Transfers transaction types), Return Merchandise Receipt Entry, Bill of Materials Disassembly Entry, or Work Order Transaction Entry (for Completion type) screens, if not all items are distributed yet, the **Warehouse Bin List** button becomes visible. Click it to see the list of the bins that don't have distributed items yet.

Item 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK U/M EACH

To Bin Number	Available	Distribute
A-A-E30-010	980.00	8.00

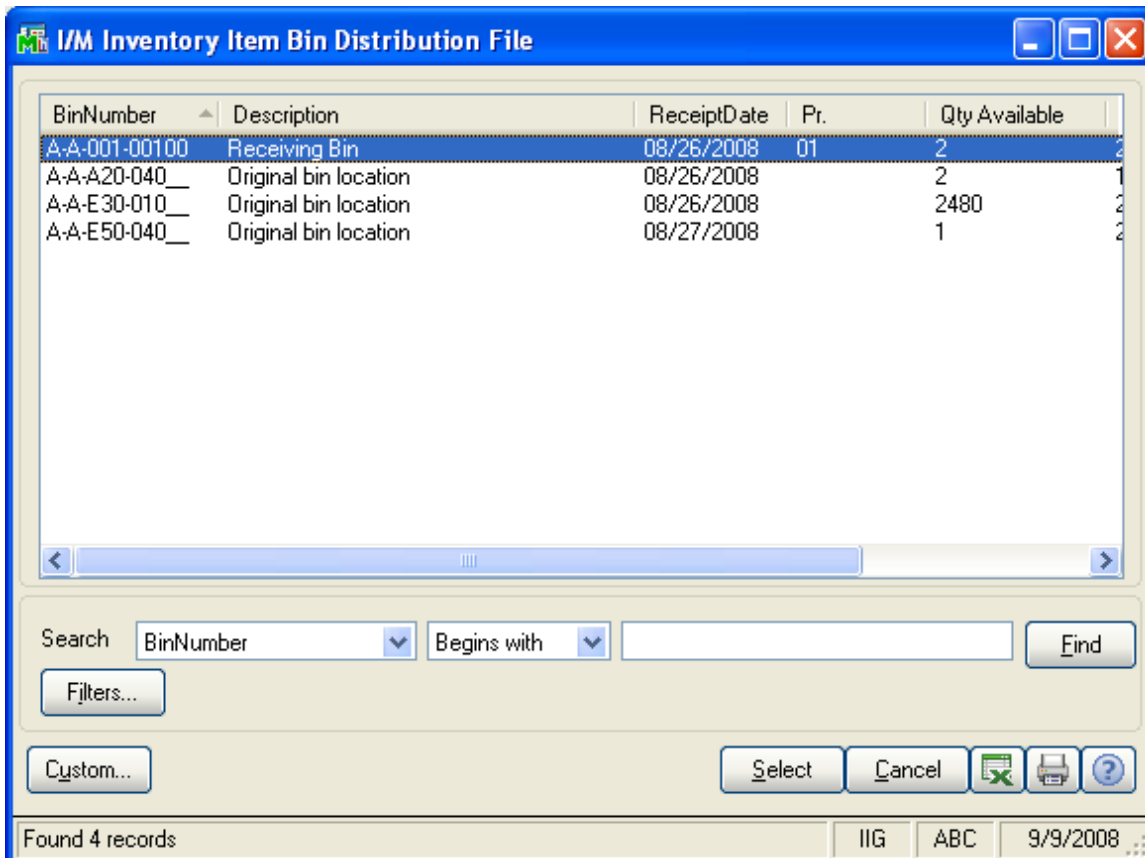
Whse Bin List

Distribution Balance 0.00

Accept

The **Bins on Hold for Receiving** are not displayed in either lookup.

Here is the list displayed by the **Lookup** button of the Bin Distribution Entry from the Transaction Entry screen (Receipts transaction type):

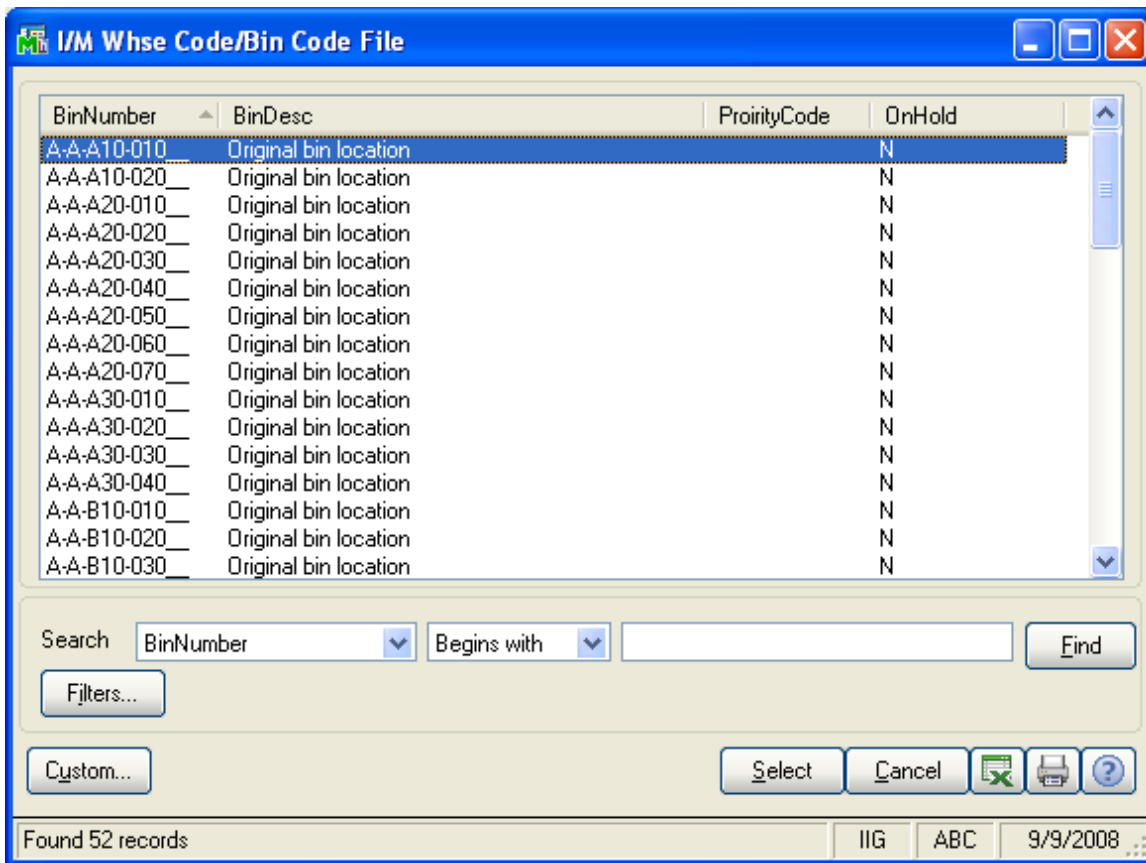


The screenshot shows a window titled "I/M Inventory Item Bin Distribution File". It contains a table with the following data:

BinNumber	Description	ReceiptDate	Pr.	Qty Available
A-A-001-00100	Receiving Bin	08/26/2008	01	2
A-A-A20-040	Original bin location	08/26/2008		2
A-A-E30-010	Original bin location	08/26/2008		2480
A-A-E50-040	Original bin location	08/27/2008		1

Below the table is a search section with a dropdown menu set to "BinNumber", a "Begins with" dropdown, and an "Find" button. There are also "Filters..." and "Custom..." buttons. At the bottom, there are "Select", "Cancel", and other utility buttons. The status bar at the bottom indicates "Found 4 records" and shows "IIG ABC 9/9/2008".

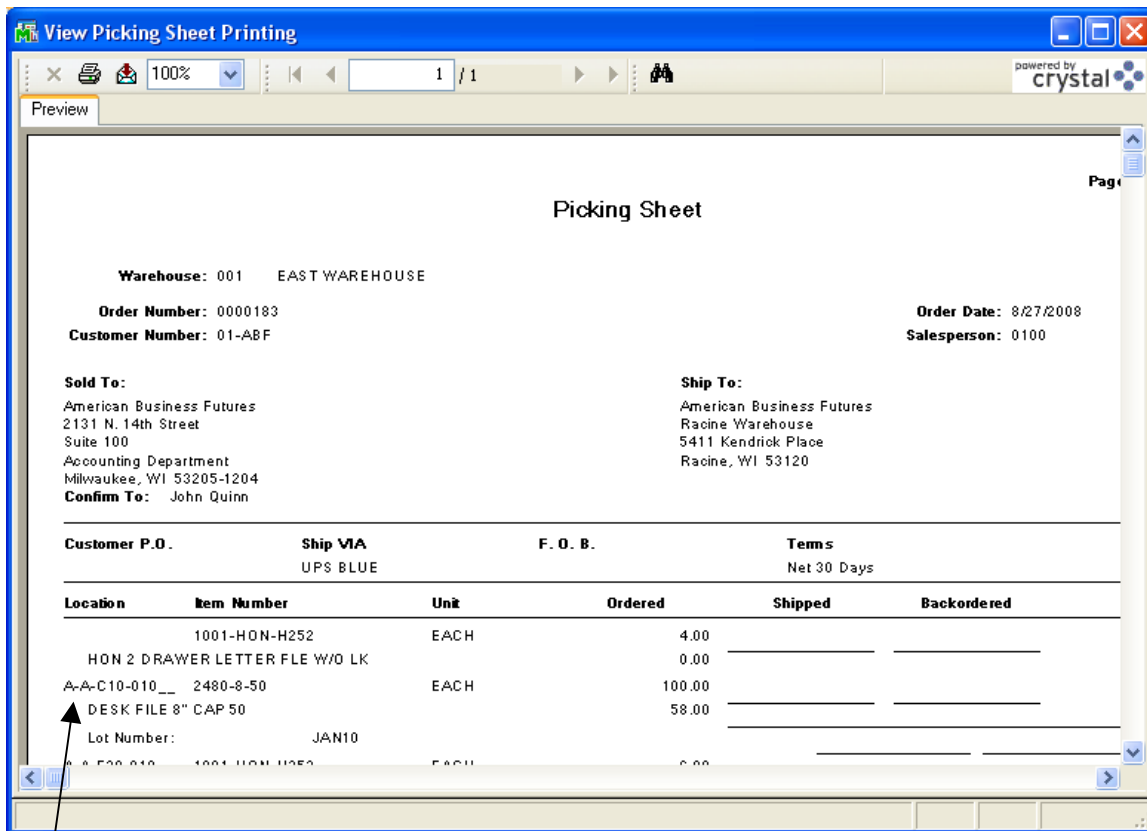
Here is the list displayed by the Warehouse Bin List button:



Printings

Picking Sheet Printing

The **Picking Sheet Printing** program has been modified to display specified bins for items, for the warehouses using bins.



The bin locations are also printed while updating the **Inventory Management Transaction Journal** and **Purchase Order Daily Receipt Registers/Update**.

Bar Code S/O Picking Sheet Printing

The **Bar Code S/O Picking Sheet Printing** program has been modified to display specified bins for items, for the warehouses using bins.

Bar Code Sales Order Printing (ABC) 9/9/2008

Form Code: STANDARD

Description: Plain

Number of Copies: 1 Multi-Part Form Enabled

Sort Orders By: Order Number

Order Type to Print: All Print Comments: Partial Print Bill Options:

Line 1 Message:

Line 2 Message:

Selections

Select Field	Operand	Value
Order Number	All <input type="button" value="v"/>	All <input type="button" value="v"/>
Warehouse Code	All <input type="button" value="v"/>	<input type="text"/>

Adobe PDF

View Bar Code Sales Order Printing

100% 1 / 1

powered by crystal

Preview





0100
01-ABF

American Business Futures
2131 N. 14th Street
Suite 100
Accounting Department
Milwaukee, WI 53205-1204

American Business Futures
Racine Warehouse
5411 Kendrick Place
Racine, WI 53120

John Quinn

UPS BLUE Net 30 Days

1001-HON-H252	EACH	2.00	0.00	0.00	0.000
HON 2 DRAWER LETTER FLE W/O LK					
		Whse: 001			
					
2481-5-50	EACH	1.00	0.00	0.00	19.950
DESK FILE 5 1/4" CAP 50					
					

Physical Count Entry

Select the **Physical Count Entry** program from the **Inventory Management Physical** menu.

Add Item

Warehouse Code CENTRAL WAREHOUSE

1. Header | 2. Lines

Bin Location	Item Number	Description	U/M	Count
<input type="text"/>	<input type="text"/>		EACH	0.00

Bin Location	Item Number	Description	Lot/Serial	U/M	Count

IIG ABC 9/9/2008

Click the **Add Item** to display the **Add Item to Physical Inventory** screen.

Item Number

Bin Location

Select **Item Number** and **Bin Location** (for Warehouses Using Bins) from the Lookup lists and click **OK** to add the selected item to physical Inventory.

Multibin Physical Count Entry

The **Multibin Physical Count Entry** program has been added to the Inventory Management Physical menu to enable inventory count by bins.

Warehouse Code: 000 CENTRAL WAREHOUSE

1. Header | 2. Lines

Bin Location: A-A-A20-020 Item Number: 1001-HON-H252 Description: HON 2 DRAWER LETTER FILE W/O LK U/M: EACH Count: 10.00

Bin Number	Item Number	Lot/Serial No	UM	Count	Description
A-A-A20-040	1001-HON-H252		EACH	1.00	HON 2 DRAWER LETTER FL...
A-A-A10-010	2480-8-50		EACH	0.00	DESK FILE 8" CAP 50
A-A-A10-010	2480-8-50	MAR	EACH	1.00	DESK FILE 8" CAP 50
A-A-A20-020	1001-HON-H252		EACH	10.00	HON 2 DRAWER LETTER FL...

Auto Increment Keep Bin

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Enter/Select the Bin location, Item Number and click Ok.
 Select **Auto Increment** check box to automatically increment the inventory count by 1. If this check box is selected, scanning the item, selecting the item from the Lookup window, or entering the item number will increment the count by 1. Clear this check box if you do not want to automatically increment the count by 1.

Select the **Keep Bin** checkbox if you want to keep the selected bin until the inventory count for it will be completed.

Physical Count Worksheet

The **Select Only Warehouses** field has been added on the **Physical Count Worksheet** screen.

The Worksheet can be processed only for **Warehouses Using Bins**, or only for **Warehouses Not Using Bins**, each time, but not both together.

The program will process only Warehouses corresponding to this selection, from the selections made by other criteria.

When **Starting** (or **Ending** if **Starting** is not selected) **Warehouse** is selected, the **Select Only Warehouses** is set according to the type of the selected **Warehouse** (Using Bins or Not), which can be changed after that.

Physical Count Variance Register

The **Select Only Warehouses** field has been added on the **Physical Count Variance Register Selection** screen.

The **Variance Register** can process only for **Warehouses Using Bins**, or only for **Warehouses Not Using Bins**, each time, but not both together.

The screenshot shows the 'Physical Count Variance Register' window. At the top, there are two dropdown menus: 'Sort Options' set to 'Item Number' and 'Select Only Warehouses' set to 'Using Bins'. Below these are two radio buttons for 'All' and 'Starting'. A table with four rows follows: 'Item Number', 'Bin Location', 'Warehouse', and 'Product Line'. Each row has a checked checkbox, a search field with a magnifying glass icon, and a patterned selection box. The 'Warehouse' selection box is currently selected. At the bottom of the window are three buttons: 'Proceed', 'Cancel', and a help button. The status bar at the very bottom displays 'IIG ABC 9/9/2008'.

The program will process only Warehouses corresponding to this selection, from the selections made by other criteria.

When **Starting** (or **Ending** if **Starting** not selected) **Warehouse** is selected, the **Select Only Warehouses** is set according to the type of the selected **Warehouse** (Using Bins or Not), which can be changed after that.

Inventory Maintenance

The detail **Bin Distribution** is accessible from the **Inventory Maintenance**.

Inventory Maintenance

Item No. 1001-HON-H252 Description HON 2 DRAWER LETTER FLE W/O LK

1. Main | 2. Options | 3. Transactions | 4. Inquiry | 5. Cost Detail

Product Line WF&A WORKSTATION FURN & ACCESS

Product Type Finished Good Default Whse 000

Valuation FIFO Inventory Cycle B

Price Code STD Internet Enabled

Procurement Buy

Primary Vendor 01-CONT Container Corporation Of Usa

Weight 35 Warranty Code 30 DAY

Volume .0000

Standard U/M EACH

Purchase U/M EACH No. Of EACH 1

Sales U/M EACH No. Of EACH 1

Last Rcpt 05/01/2010

Last Sold 09/09/2008

Retail Price 84.000 Std Cost 32.750

Std Price 84.000 Avg Cost 34.250

Last Costs

Total	34.250
Item	34.250
Allocated	.000

Buttons: Renumbr, History..., Alias..., Quantity..., Alternate..., IT Item..., Sale Info..., Pricing..., Lgt/Serial..., Vendors...

Buttons: Accept, Cancel, Delete, Print, Help

Status: IIG ABC 9/9/2008

Click the **Quantity** button to open the **Quantity On Hand & Reorder** screen.

The screenshot shows a software window titled "Quantity on Hand & Reorder". At the top, it displays "Item No. 1001-HON-H252" and "Warehouse Code 000 CENTRAL WAREHOUSE". There are buttons for "Replenishment ...", "Totals", "Recap", "Qty History...", and "Bin Detail...".

The main area is divided into two sections:

- Left Section:** Fields for "Bin Location" (E-300-10), "Reorder Method" (Economic Quantity), "Economic Order Qty" (100.00), "Reorder Point" (40.00), "Minimum Order Qty" (40.00), and "Maximum On Hand" (300.00).
- Right Section (Item Inventory Status):** A table showing various inventory metrics.

Item Inventory Status	
Unit of Measure	EACH
Qty on Hand	2495.00
Qty on Purch Order	3.00
Qty on Sales Order	0.00
Qty on Back Order	0.00
Qty Req for Work Order	0.00
Qty on Work Order	0.00
Total Qty Available	2495.00
Qty in Shipping	0.00
On Hand less in Shipping	2495.00

At the bottom, there are navigation buttons (back, forward, etc.), a "Remove Whse" button, and "OK", "Cancel", and help buttons.

Select a warehouse with bins and click the Bin Detail button.

Bin Distribution Details [?] [X]

Item 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK

Bin Number Committed On Hand [OK] [Undo]

A-A-A20-040__ 8.00 10.00

Bin Number	Committed	On Hand	Hold
A-A-001-00100	0.00	2.00	N
A-A-A20-040__	8.00	10.00	N
A-A-E30-010__	0.00	2480.00	N
A-A-E50-040__	1.00	2.00	N

Quantity Balance 1.00-

[Accept]

Here the On Hand quantity can be edited so that the Item quantity to be in balance.

Inventory Inquiry

The bin distribution can be viewed from the **Inventory Inquiry** program under **Inventory Management Main** menu.

Item No. 1001-HON-H252 Description HON 2 DRAWER LETTER FILE W/O LK

1. Main | 2. Additional | 3. Transactions | 4. Inquiry | 5. Cost Detail

Product Line WF&A WORKSTATION FURN & ACCESS IT Item... Price Lookup History... Alias...

Product Type Finished Good Weight 35 IT Enabled Lot/Serial... Vendors... Alternate...

Valuation FIFO Volume .0000 Warranty Code 30 DAY Sale Info... Pricing...

Price Code STD Vendor 01-CONT

Retail Price 84.000 Std Cost 32.750 Standard U/M EACH

Std Price 84.000 Avg Cost 34.250 Purchase U/M EACH No. Of EACH 1

Last Sold 09/09/2008 Last Rcpt 05/01/2010 Sales U/M EACH No. Of EACH 1

Whse	On Hand	On PO	On SO	On BO	Committed	On WO	Qty Avail
000	2495.00	3.00	0.00	0.00	0.00	0.00	2495.00
001	990.00	0.00	10.00	5.00	15.00	0.00	975.00
002	1517.00	0.00	14.00	10.00	24.00	0.00	1493.00
097	2.00	0.00	0.00	0.00	0.00	0.00	2.00
098	1.00	0.00	0.00	0.00	0.00	0.00	1.00
Totals	5005.00	3.00	24.00	15.00	39.00	0.00	4966.00

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Drill Down

Select a warehouse line and click the **Drill Down** button to display the **Quantity On Hand & Reorder** screen.

Item No. 1001-HON-H252

Warehouse Code 000 CENTRAL WAREHOUSE

Bin Location E-300-10

Reorder Method Economic Quantity

Economic Order Qty 100.00

Reorder Point 40.00

Minimum Order Qty 40.00

Maximum On Hand 300.00

Item Inventory Status

Unit Of Measure EACH

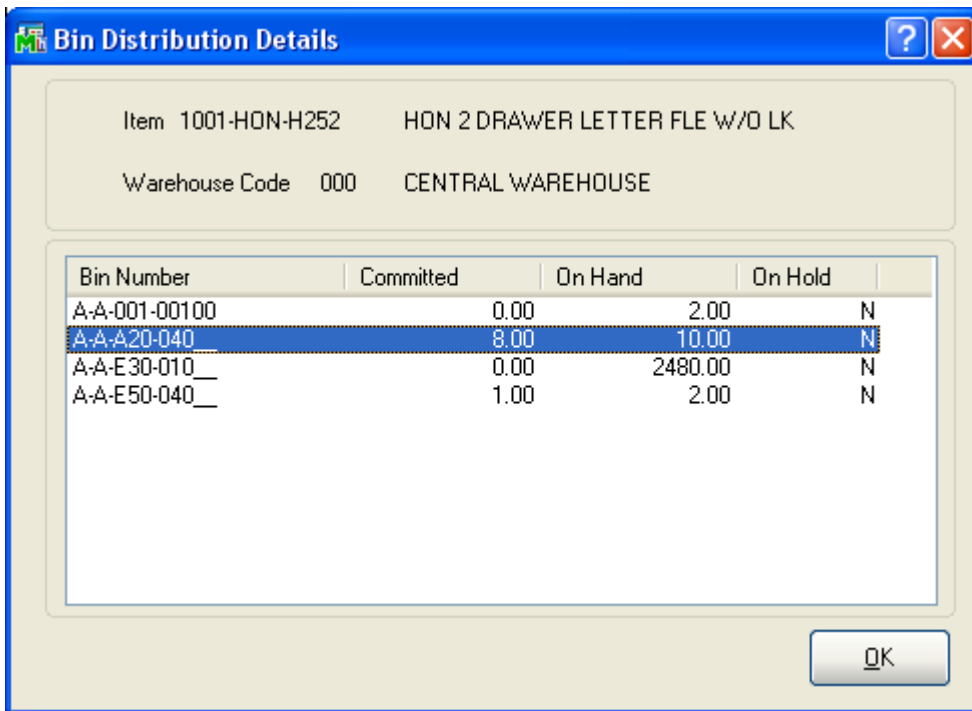
Qty On Hand	2495.00
Qty On Purch Order	3.00
Qty On Sales Order	0.00
Qty On Back Order	0.00
Qty Req For Work Order	0.00
Qty On Work Order	0.00
Total Qty Available	2495.00
Qty in Shipping	0.00
On Hand less in Shipping	2495.00

Buttons: Totals, Recap, Qty History..., Bin Detail..., OK

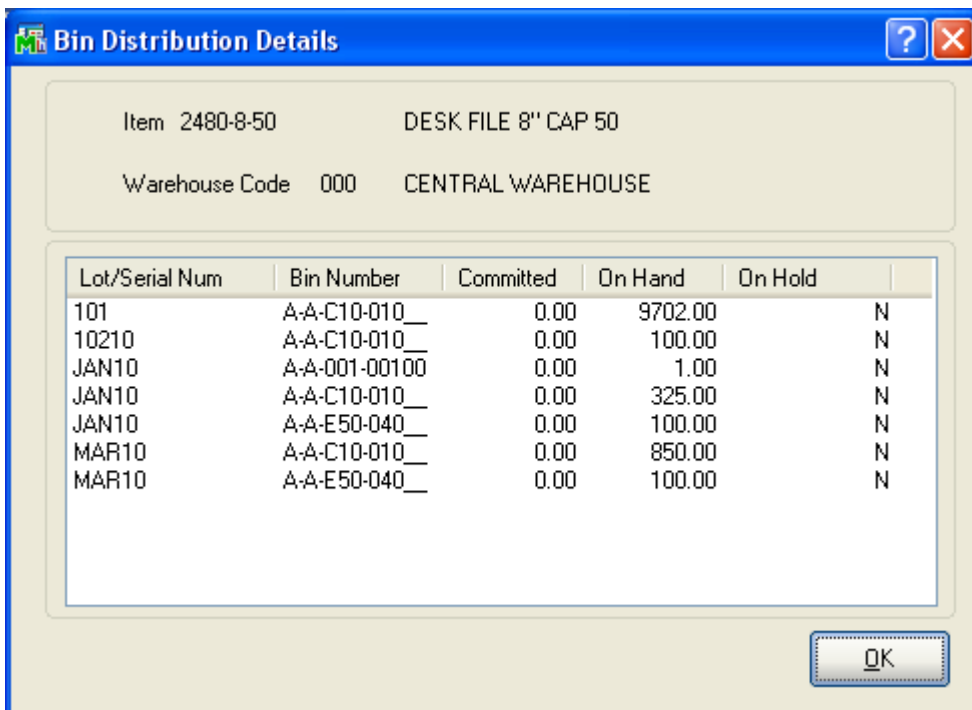
In this screen, click the **Bin Detail** button.

The **Bin Distribution Details** screen will look slightly different for Lot/Serial and non-Lot/Serial items.

For non-Lot/Serial items the screen will look as follows:



For Lot/Serial items, the information will be displayed by lots/serials:



Sales Order Entry

Sometimes if a Warehouse uses Bins, there is some quantity of an item physically present in a Bin, while the Warehouse lookup displays negative quantities. In such case it is useful to be able to view the availability of the item by Bins.

In the **Lines** tab of the **Sales Order Entry** screen, select **Item**, enter **Quantity Ordered**.

Sales Order Entry (ABC) 9/12/2008

Order Number: 0000113

1. Header | 2. Address | 3. Lines | 4. Totals

	Item Code	Ordered	Back Ordered	Unit Price	Extension	Co
1	1001-HON-H252LK	7.00	.00	84.390	590.73	
2		.00	.00	.000	.00	

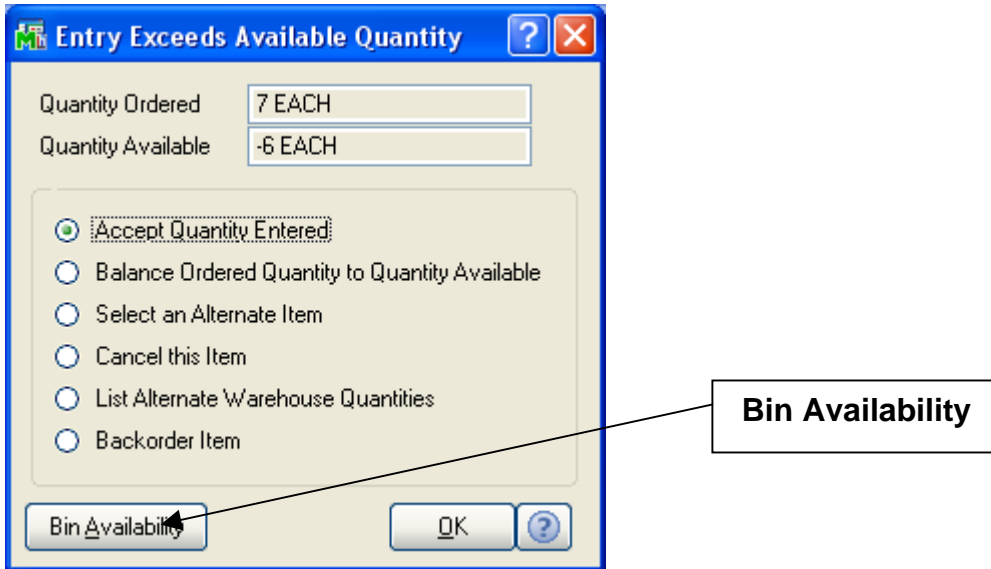
Quick Row: 1

Description: HON 2 DRAWER LETTER FILE W/ LCK
Warehouse: 002
Unit Of Measure: EACH
Shipped: .00

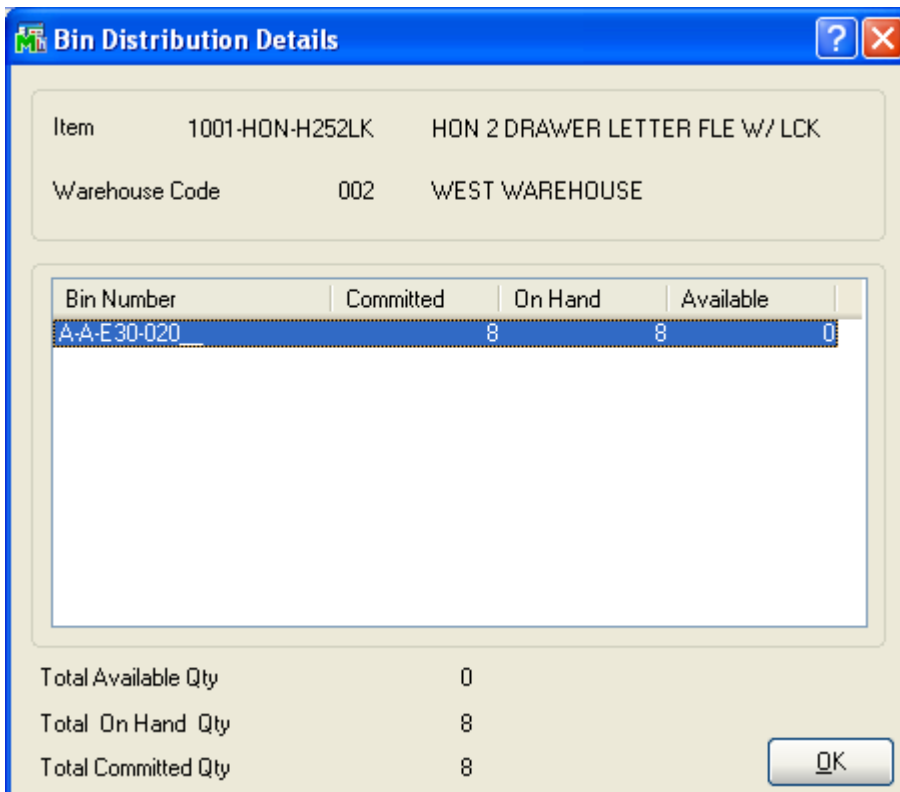
Total Amount: 590.73

Buttons: Quick Print..., Recalc Price, Accept, Cancel, Delete, Print, Help

If the **Quantity Ordered** exceeds the available one in the selected warehouse the **Entry Exceeds Available Quantity** screen is displayed.



Click the **Bin Availability** button to display the **Bin Distribution Details** screen.



You can see that the real quantity On Hand in the first Bin is sufficient for your order. Click **OK** to accept the line in the Sales Order. The item is distributed automatically (if corresponding options are set in the Multi-Bin Processing Options program).

	Item Code	Ordered	Back Ordered	Unit Price	Extension	C
1	1001-HON-H252LK	7.00	.00	84.390	590.73	
2	1001-HON-H252	15.00	.00	78.120	1,171.80	
3		.00	.00	.000	.00	

Description	HON 2 DRAWER LETTER FLE W/O LK
Warehouse	001
Unit Of Measure	EACH
Shipped	.00

Total Amount: 1,762.53

If the sales order has a line with negative distribution balance, it cannot be accepted. The following message is displayed:

Sage MAS 90

Line number 2 has Negative Distribution Balance.

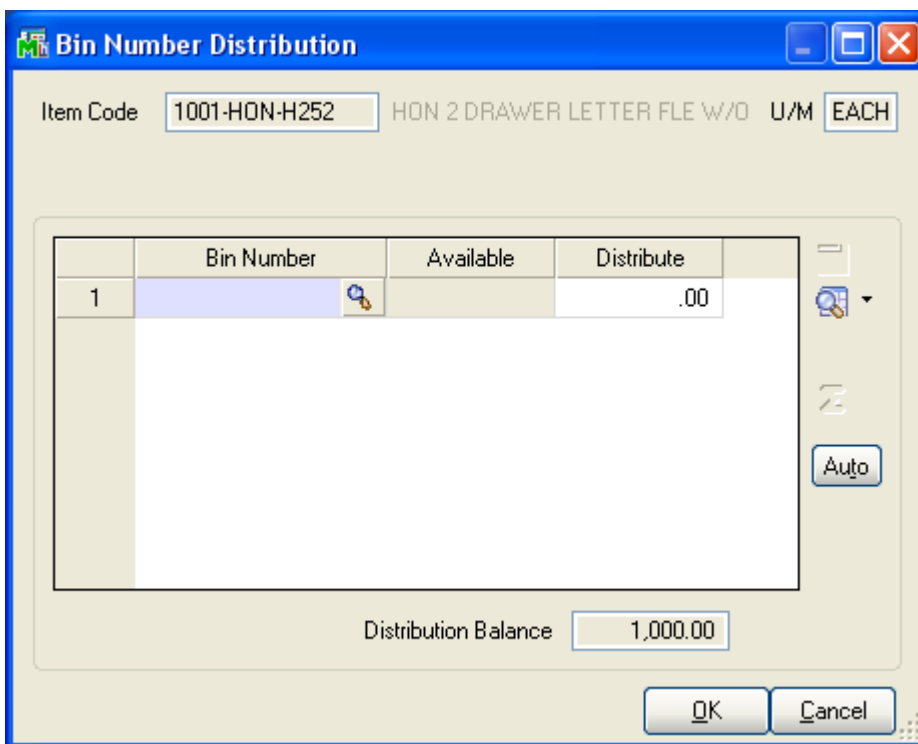
Modify Line Delete Order

In this case you should either modify the line with negative distribution balance or delete the entire sales order.

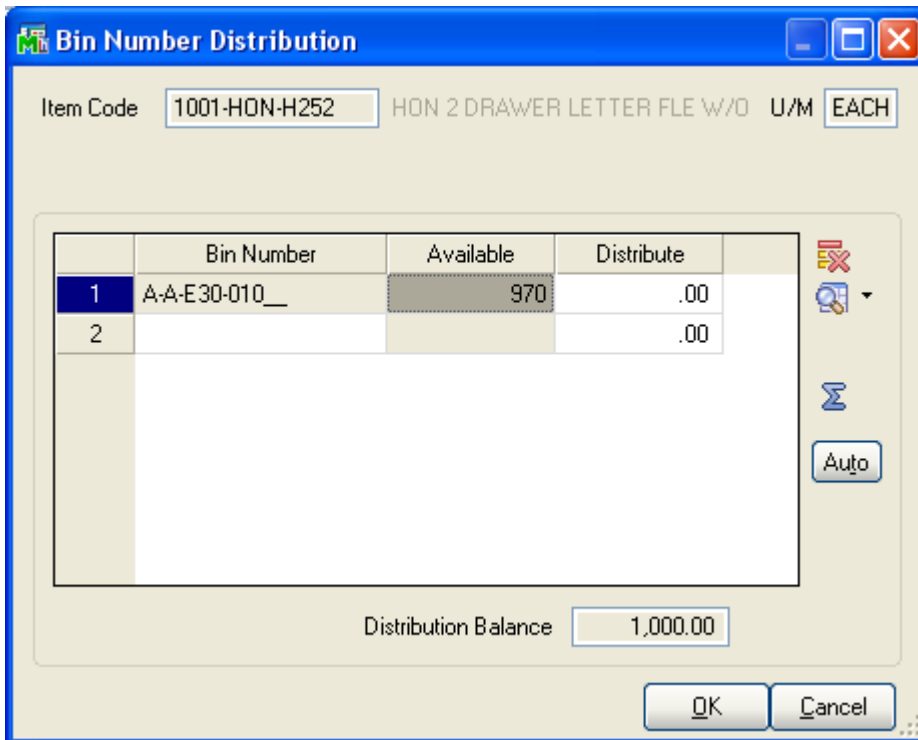
If the sales order has at least a line not distributed fully by Lot/Serial number or Bin number the following message appears. In this case you can choose to modify the line, delete the order or continue. In this case you are allowed to Accept the order.



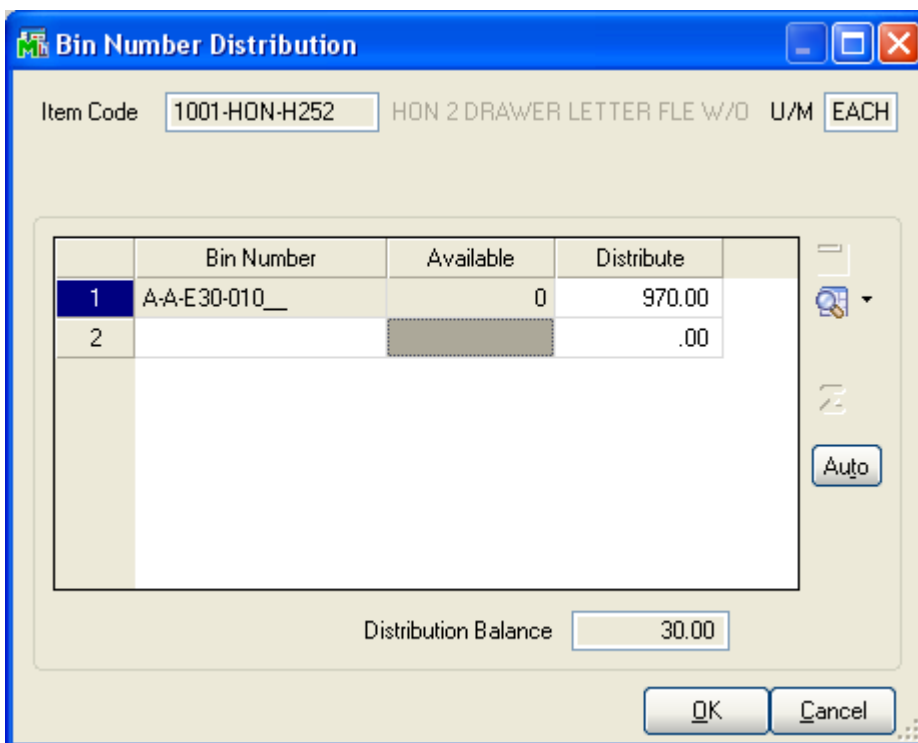
Enter the **Bin Number** to be distributed, or use the **Lookup** button to select from the list.



Select the line and click the **Distribute** button.



Here is how the entered quantity is distributed.



Sales Order Bin Distribution

The **Sales Order Bin Distribution** program has been added under the **Sales Order Main** menu to allow manual and automatic bin distribution.

The screenshot shows the 'Sales Order Bin Distribution (ABC) 9/17/2008' window. It features a filter table at the top left, a 'Ship Via' search box at the top right, a main data grid in the center, and a row of action buttons at the bottom.

Select Field	Operand	Value
Sales Order Number	All	
Customer Number	All	
ItemCode	All	

Buttons: Clear, Select, Apply to All

SO No	Customer No	Customer PO No	Ship Via	Item Code	Whse	Quantity	Dist	Distr	Incl
0000178	01-ABF		UPS BLUE	1001-HON-H252	001	3.00			<input type="checkbox"/>
0000179	02-ATOZ	VERBAL	UPS BLUE	GB-EQ380-10-MF	001	13.00			<input type="checkbox"/>
0000179	02-ATOZ	VERBAL	UPS BLUE	6652-28-24-15	001	3.00			<input type="checkbox"/>
0000181	01-ABF		UPS BLUE	1001-HON-H252	001	2.00			<input type="checkbox"/>
0000181	01-ABF		UPS BLUE	2481-5-50	001	3.00			<input type="checkbox"/>
0000182	01-ABF		UPS BLUE	1001-HON-H252LK	001	1.00			<input type="checkbox"/>
0000182	01-ABF		UPS BLUE	1001-HON-H252	001	10.00			<input type="checkbox"/>

Buttons: Include All, Exclude All, Invert Sel, Remove Highlighting, Auto Distribute, Ok

Select the range of Sales Orders, Customer Numbers, and Item Numbers to be displayed. Click the **Select** button. A grid will be populated with selected sales order lines.

The **Distr** column shows the button if the bin distribution has not been done for the line, and otherwise. For **Manual Bin Distribution**, choose a line and click the **Distr** button.

The **Bin Distribution Entry** screen will be displayed.
Select the **Bin Number**.

	Bin Number	Available	Distribute
1	A-A-A10-010__	0	.00
2			.00

Distribution Balance: 9.00-

Select the line and click the Distribute button. The logic is the same as it is described for the **Bin Number Distribution** screen in the **Sales Order Entry**.


Item Code: 1001-HON-H252LK HON 2 DRAWER LETTER FILE W/ L U/M EACH

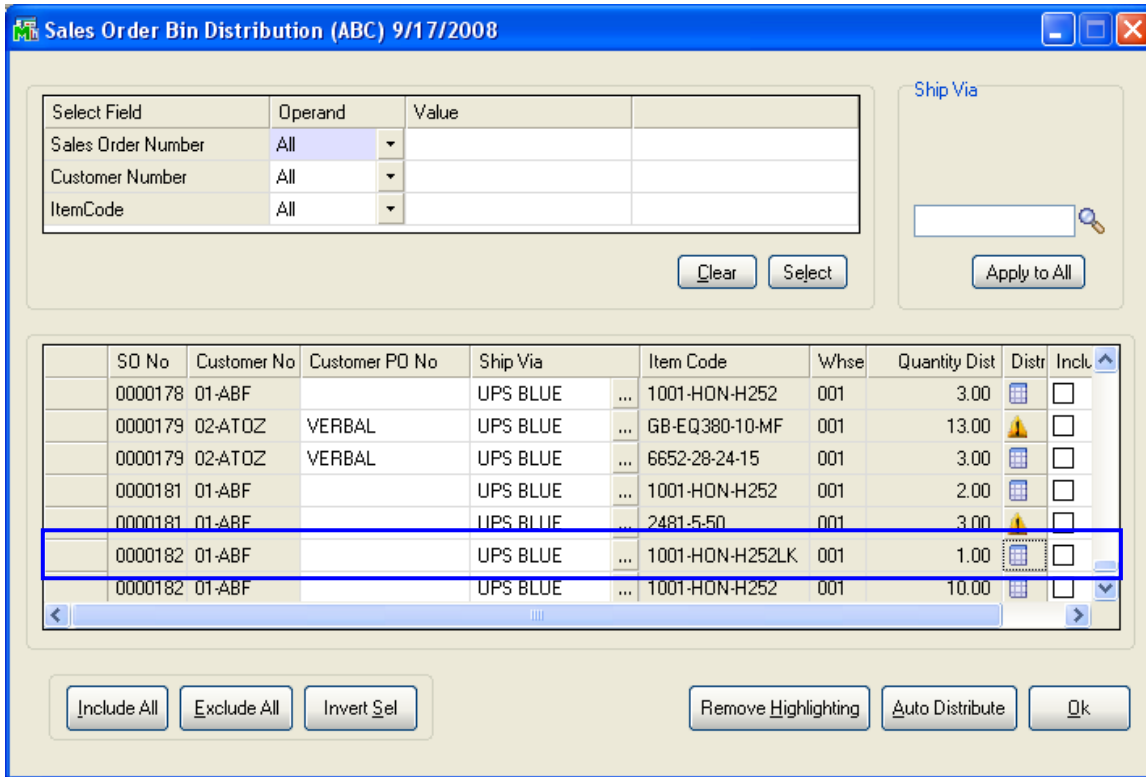
	Bin Number	Available	Distribute
1	A-A-A10-010_	-15	15.00
2			.00

Distribution Balance: 14.00

Buttons: OK, Cancel, Auto

Click **OK**.

In the **Sales Order Bin Distribution** screen, the **Distr** column for the selected line will be changed to  (Distributed).



For **Automatic Distribution**, check the **Incl.** box for the lines to be distributed.

Sales Order Bin Distribution (ABC) 9/17/2008

Select Field	Operand	Value
Sales Order Number	All	
Customer Number	All	
ItemCode	All	

Clear Select

Ship Via

Apply to All

SO No	Customer No	Customer PO No	Ship Via	Item Code	Whse	Quantity Dist	Distr	Incl
0000178	01-ABF		UPS BLUE	1001-HON-H252	001	3.00		
0000179	02-ATOZ	VERBAL	UPS BLUE	GB-EQ380-10-MF	001	13.00		
0000179	02-ATOZ	VERBAL	UPS BLUE	6652-28-24-15	001	3.00		
0000181	01-ABF		UPS BLUE	1001-HON-H252	001	2.00		
0000181	01-ABF		UPS BLUE	2481-5-50	001	3.00		
0000182	01-ABF		UPS BLUE	1001-HON-H252LK	001	1.00		
0000182	01-ABF		UPS BLUE	1001-HON-H252	001	10.00		

Include All Exclude All Invert Sel Remove Highlighting Auto Distribute Ok

Click **Incl All** button for including all lines in the auto distribution. Click **Excl All** button for excluding all lines from distribution. Click **Invert Sel** button for inverting selection.

Click the **Auto Distribute** button.

After **Auto Distribution**, successfully distributed lines are highlighted with cyan, lines for which there is no enough quantity to distribute are highlighted with red.

Sales Order Bin Distribution (ABC) 9/17/2008

Select Field	Operand	Value
Sales Order Number	All	
Customer Number	All	
ItemCode	All	

Clear Select

Ship Via

Apply to All

SO No	Customer No	Customer PO No	Ship Via	Item Code	Whse	Quantity Dist	Distr	Incl
0000178	01-ABF		UPS BLUE	1001-HON-H252	001	3.00		
0000179	02-ATOZ	VERBAL	UPS BLUE	GB-EQ380-10-MF	001	13.00		
0000179	02-ATOZ	VERBAL	UPS BLUE	6652-28-24-15	001	3.00		
0000181	01-ABF		UPS BLUE	1001-HON-H252	001	2.00		
0000181	01-ABF		UPS BLUE	2481-5-50	001	3.00		
0000182	01-ABF		UPS BLUE	1001-HON-H252LK	001	1.00		
0000182	01-ABF		UPS BLUE	1001-HON-H252	001	10.00		

Include All Exclude All Invert Sel

Remove Highlighting Auto Distribute Ok

Click the **Remove Highlighting** button to remove all colors from the grid.

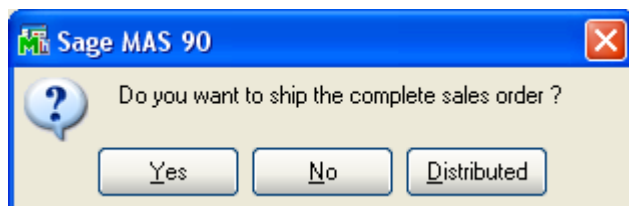
The **Customer PO** and **Ship Via** fields can be edited manually for any line in the grid. You can also select the **Ship Via** from the lookup. Changing **Customer PO** and **Ship Via** for any line of the order changes the setting for the entire order.

Alternatively, you can select the **Ship Via** setting in the field at the right top corner of the screen, and click the **Apply to All** button, to change the Ship Via of all the displayed lines to the selected one.

S/O Invoice Data Entry

The **Invoice Data Entry** program under the **Sales Order Main** menu is modified similar to the **Sales Order Entry** program to enable Bin Distribution.

Once all necessary information has been entered on the first two tabs, click the **Lines** tab. In case you are invoicing a Sales Order, the following message appears asking whether all the quantities ordered on the sales order will be shipped or only the distributed quantities.



Shipping the complete order (**Yes** is selected) means that all the quantities ordered will be shipped entirely, with the quantity shipped equal to the quantity "**Ordered – Back Ordered**" for **Standard** type orders and quantity **Back Ordered** for **Back Order** type orders.

In this case the Sales Order distribution is carried over from the Sales Order to the Invoice.

Shipping the distributed order (**Distributed** is selected) means that Items will be shipped in quantity equal to the quantity distributed by bins in the order.

For Lot/Serial Items shipping the distributed order means that Lot/Serial items will be shipped in quantity equal to the quantities distributed By Bin in the Sales Order.

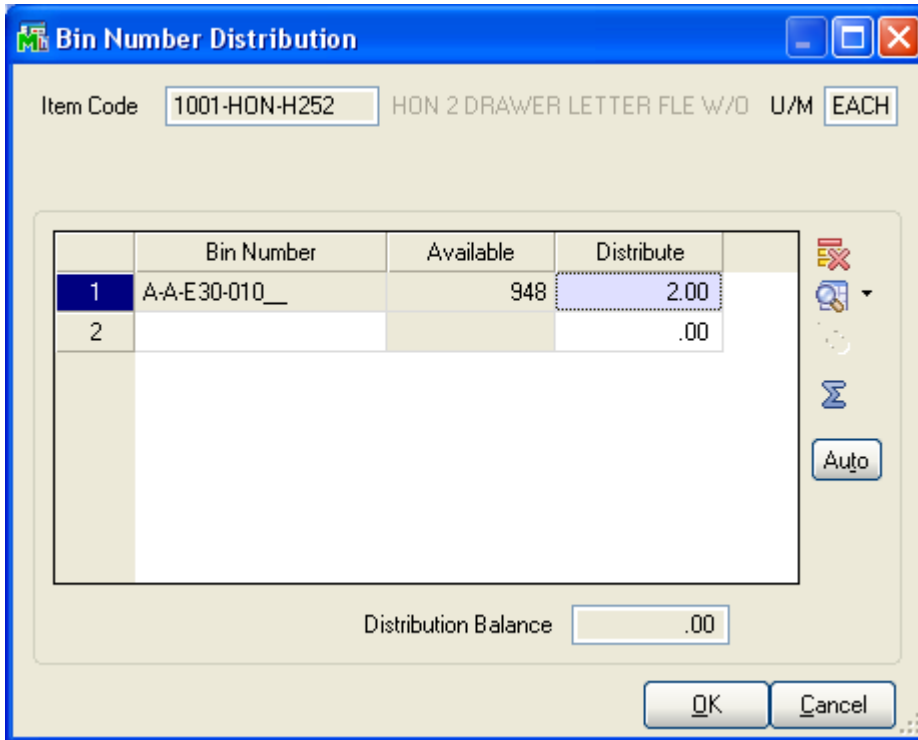
The screenshot shows the 'S/O Invoice Data Entry (ABC) 9/17/2008' window. At the top, the 'Invoice No.' is 0000001. Below the window title, there are navigation buttons: 'Defaults...', 'Customer...', and 'Credit...'. A progress bar shows four steps: '1. Header', '2. Address', '3. Lines', and '4. Totals'. The main area contains a table with the following data:

	Item Code	Ordered	Shipped	Unit Price	Extension	
1	1001-HON-H252	2.00	2.00	84.000	168.00	
2	2481-5-50	3.00	.00	19.950	.00	
3		.00	.00	.000	.00	

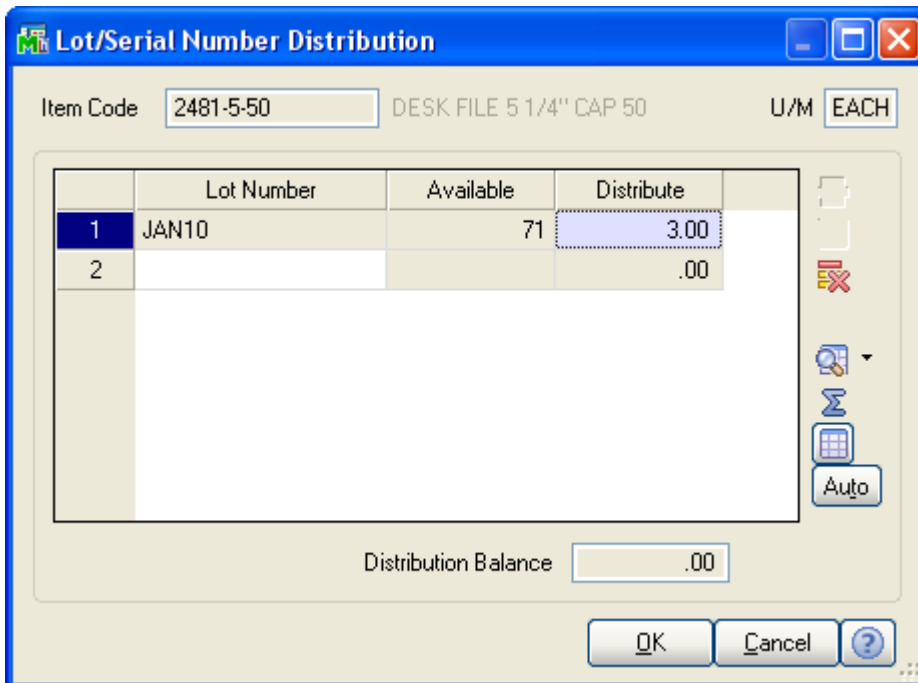
Below the table is a detailed view for the selected item (row 1):

Description	HON 2 DRAWER LETTER FLE W/O LK
Warehouse	001
Unit Of Measure	EACH
Back Ordered	.00

At the bottom right, the 'Total Amount' is displayed as 168.00. The bottom of the window features buttons for 'Quick Print', 'Accept', 'Cancel', 'Delete', and a help icon.



Select a line with a lot/serial item and click the **Lot/Serial Distribution** button.



Bin Number Distribution

Item Code: 2481-5-50 DESK FILE 5 1/4" CAP 50 U/M EACH

Lot/Serial Number: JAN10

	Bin Number	Available	Distribute
1	A-A-C10-040__	71	3.00
2			.00

Distribution Balance: .00

OK Cancel

The distribution can be reviewed and/or changed on this **Bin Number Distribution** screen.

Note that an invoice cannot be accepted with lines not fully distributed by bins.

Production Entry

Select the **Production Entry** program under the **Bill of Materials Main** menu.

Production Entry

Entry Number 0000003 Production Date 09/13/2008

1. Header 2. Lines

Bill Number Description

Bill Type

Quantity 0.00 U/M

Parent Warehouse 000 CENTRAL WAREHOUSE

Parent Bin

Component Warehouse 000 CENTRAL WAREHOUSE

Explode Sub-Assemblies

Accept Cancel Delete

IIG ABC 9/13/2008

Parent Bin

In the **Parent Bin** field, enter the Bin in the Parent Warehouse to distribute the finished production to.

In the **Lines** tab, selecting a line that is not distributed yet displays the **Bin Distribution Entry** screen. The distribution can also be viewed by clicking the **Distribute** button.

Distribute

Production Entry

Entry Number: 0000003 Production Date: 09/13/2008 Defaults...

1. Header 2. Lines

Item Number: VOG-CM-MP-B Description: MODESTY PANEL OK

Whse: 000 Quantity/Bill: 2.00 Extended Quantity: 20.00 U/M: EACH Cost: FIFO Undo Distribute...

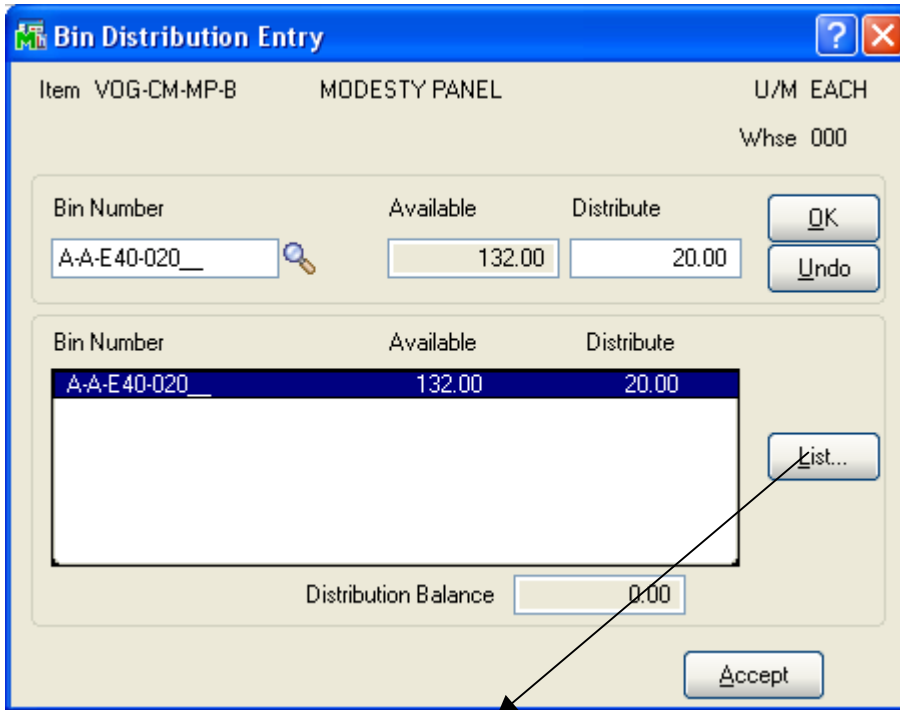
Line	Item Number	Whse	Qty/Bill	Extend Qty	U/M	Cost	Dist
1	D1000	000	2.00	20.00	EACH	FIFO	N
2	D1000-BBw/LIGHT	000	2.00	20.00	EACH	FIFO	N
3	D1000-CD	000	1.00	10.00	EACH	FIFO	N
4	D1000-LHDS	000	1.00	10.00	EACH	FIFO	N
5	D1000-LOCK	000	2.00	20.00	EACH	FIFO	N
6	D1000-RHCONNECT	000	1.00	10.00	EACH	FIFO	N
7	D1000-RHDS	000	1.00	10.00	EACH	FIFO	N
8	VOG-CM-MP-B	000	2.00	20.00	EACH	FIFO	N

Ins Del

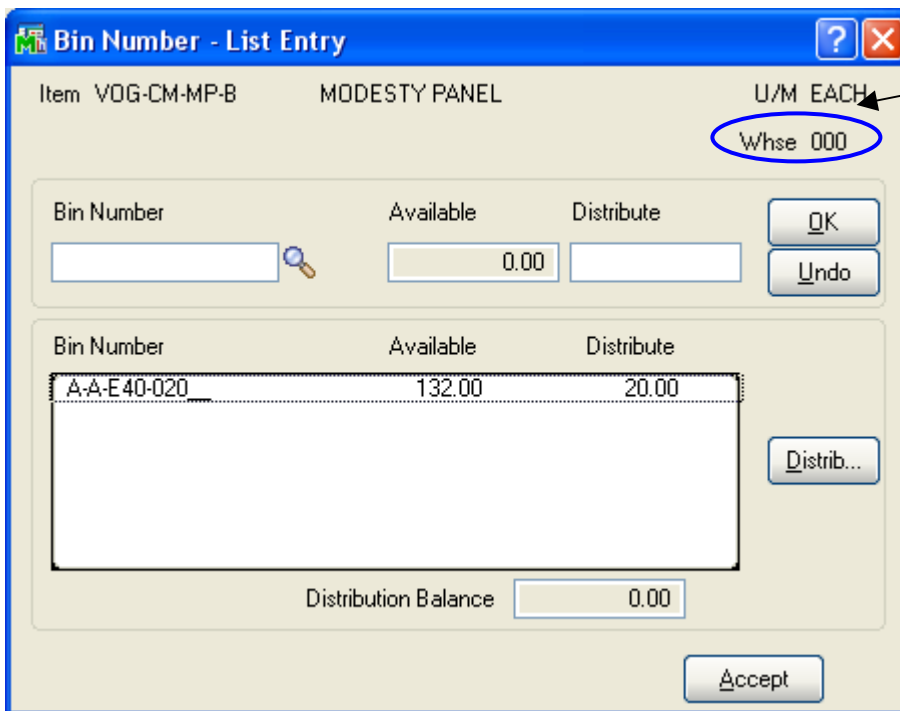
Accept Cancel Delete ?

IIG ABC 9/13/2008

If the selected line item is a Lot/Serial item, the **Lot/Serial No.- Distribution Entry** screen is displayed first. After distributing the quantity to a lot/serial, the **Bin Distribution Entry** screen is displayed. The **Bin Distribution Entry** screen can be opened manually for the selected Lot Number. Click the **Bin Distribution** button.



The screenshot shows the 'Bin Distribution Entry' window. At the top, it displays 'Item VOG-CM-MP-B', 'MODESTY PANEL', and 'U/M EACH'. Below this, 'Whse 000' is shown. The main area contains two tables. The first table has columns 'Bin Number', 'Available', and 'Distribute'. The 'Bin Number' field contains 'A-A-E40-020__' with a magnifying glass icon. The 'Available' field contains '132.00' and the 'Distribute' field contains '20.00'. There are 'OK' and 'Undo' buttons to the right. The second table has the same columns and contains one row with 'A-A-E40-020__', '132.00', and '20.00'. A 'List...' button is to the right of this table. At the bottom, there is a 'Distribution Balance' field with '0.00' and an 'Accept' button. An arrow points from the 'List...' button to the 'Accept' button.



The screenshot shows the 'Bin Number - List Entry' window. At the top, it displays 'Item VOG-CM-MP-B', 'MODESTY PANEL', and 'U/M EACH'. Below this, 'Whse 000' is shown and circled in blue. The main area contains two tables. The first table has columns 'Bin Number', 'Available', and 'Distribute'. The 'Bin Number' field is empty with a magnifying glass icon. The 'Available' field contains '0.00' and the 'Distribute' field is empty. There are 'OK' and 'Undo' buttons to the right. The second table has the same columns and contains one row with 'A-A-E40-020', '132.00', and '20.00'. A 'Distrib...' button is to the right of this table. At the bottom, there is a 'Distribution Balance' field with '0.00' and an 'Accept' button. An arrow points from the 'Whse 000' text to the 'U/M EACH' text.

Selected Warehouse and Lot/Serial Number are displayed in the Bin Distribution screen, as well as the Item Number.

Disassembly Entry

Select the **Disassembly Entry** program under the **Bill of Materials Main** menu.

The screenshot shows the 'Disassembly Entry' window with the following data:

Field	Value
Entry Number	0000003
Disassembly Date	09/13/2008
Bill Number	D1700
Description	SECRETARY DESK ENSEMBLE
Bill Type	Kit
Quantity	2.00
U/M	EACH
Parent Warehouse	000 CENTRAL WAREHOUSE
Component Warehouse	000 CENTRAL WAREHOUSE
Disassembly Type	Produced Item
Explode Sub-Assemblies	<input type="checkbox"/>

Distribute

Click the **Distribute** button to distribute the entered quantity from bins.

In the **Lines** tab, the **Bin Distribution Entry** screen works similar to everywhere else. The **Warehouse Bin List** button displays a list of bins that don't have distributed quantity yet.

Return Merchandise Authorization

The **Bin Distribution Entry** screen in the **Return Merchandise Authorization Entry** and **Return Merchandise Receipt Entry** programs works similar to the entries described above.

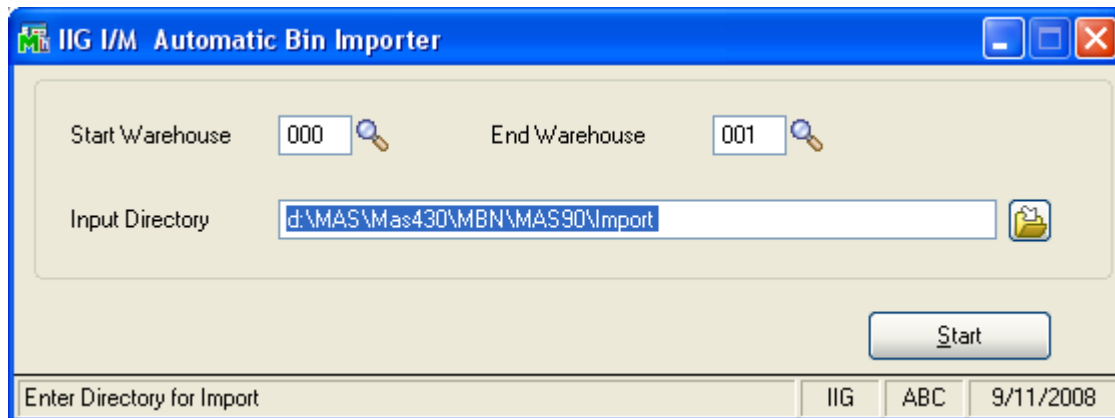
Bin distribution is only available in the **Return Merchandise Authorization** module, if the **Sales Order Entry Commits Inventory in Bin** box is checked in the **Multi-Bin Processing Options**.

When a **Credit Memo** is generated from RMA Receipt Entry, the Bin Distribution of the Receipt is transferred to the Credit Memo.

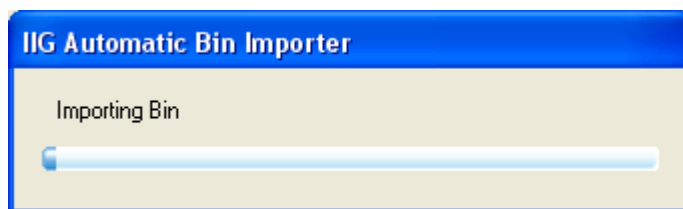
When a **Sales Order** is generated from RMA Receipt Entry, the Bin Distribution is done automatically or not, based on the **Multi-Bin Processing Options**.

IIG Automatic Bin Importer

The **IIG Automatic Bin Importer** program has been added under the **Setup** menu of the **Inventory Management** module.

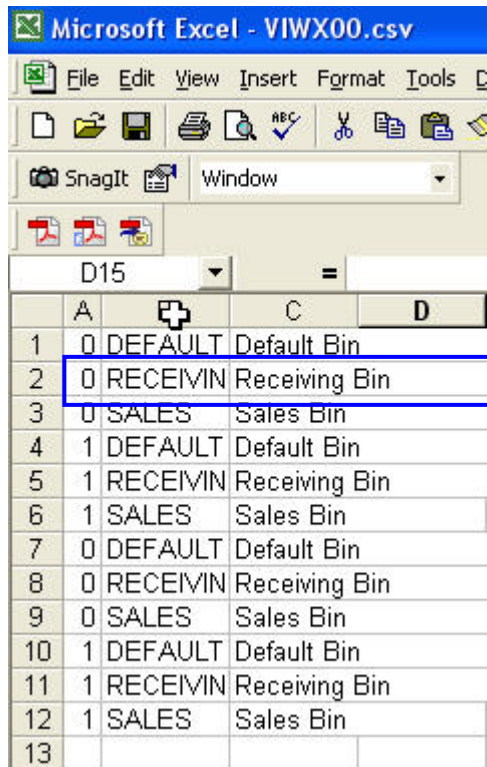


Enter the **Start Warehouse**, and **End Warehouse**. Specify the **Input Directory** for the imported file and Click **Start**.



The imported file must have the following format:

1. file extension must be .csv;
2. each record must consists of
 - Warehouse number (up to 3 characters)
 - Bin number (up to 10 characters)
 - Bin description (up to 30 characters)



	A	C	D
1	0	DEFAULT	Default Bin
2	0	RECEIVIN	Receiving Bin
3	0	SALES	Sales Bin
4	1	DEFAULT	Default Bin
5	1	RECEIVIN	Receiving Bin
6	1	SALES	Sales Bin
7	0	DEFAULT	Default Bin
8	0	RECEIVIN	Receiving Bin
9	0	SALES	Sales Bin
10	1	DEFAULT	Default Bin
11	1	RECEIVIN	Receiving Bin
12	1	SALES	Sales Bin
13			

In case the import is completed successfully, the imported file extension is changed to .old.

If the **Use Bin** isn't checked in the **Warehouse Code Maintenance** for the selected Warehouse, bins will be skipped while importing.

Here is the example of imported bin:

The screenshot shows a software window titled "Bin Code Maintenance". At the top, it displays "Warehouse Code 000" and "CENTRAL WAREHOUSE". The main area contains the following fields:

- Bin Code:** A sequence of four input boxes containing "A", "A", "001", and "00100", with a search icon to the right.
- Description:** A text box containing "Receiving Bin".
- Priority Code:** A text box containing "01".
- Bin on Hold for:** A dropdown menu set to "None".
- Bin Type:** A dropdown menu set to "Regular".

At the bottom of the window, there are navigation buttons (back, forward, etc.), and action buttons labeled "Accept", "Cancel", "Delete", and a printer icon. The status bar at the very bottom shows "IIG", "ABC", and "9/17/2008".

Bin Label Printing

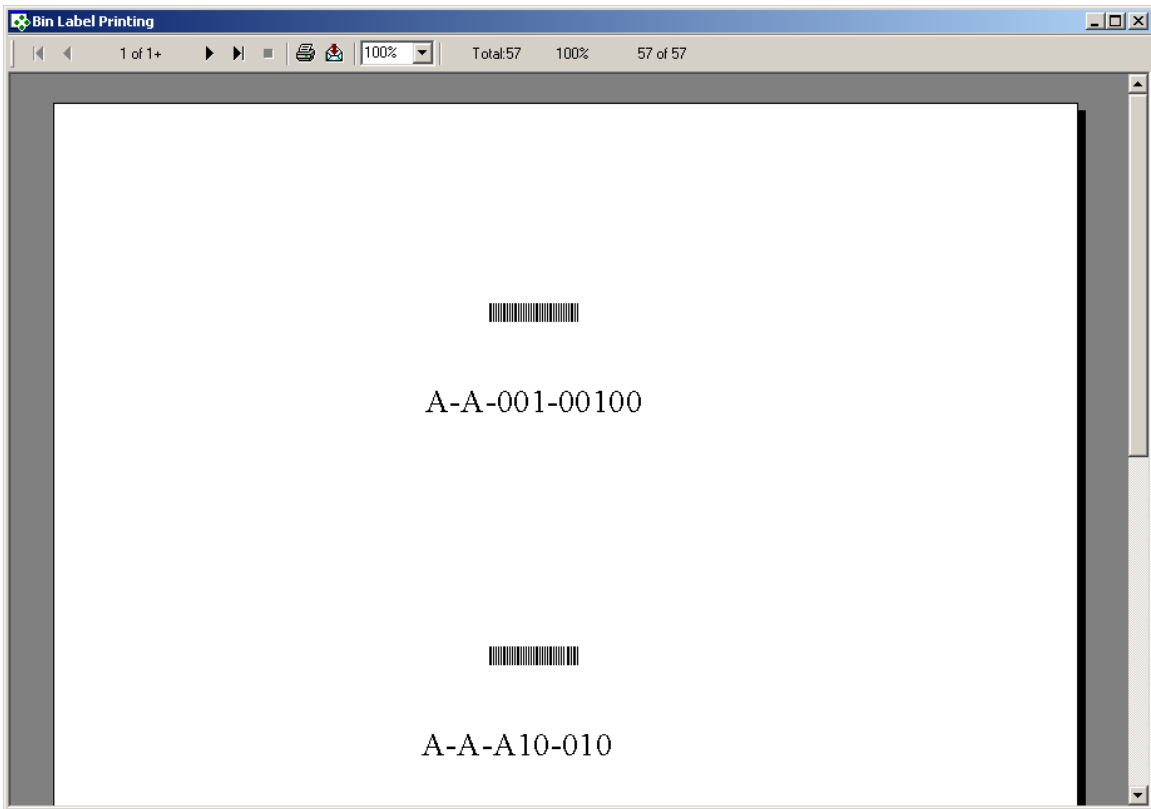
The **Bin Label Printing** program added under the **Reports** Menu of the **Inventory Management** module enables printing **Bin Labels**.

The **Bin Label** can be filtered based on the following **Selection** criteria: Item Number, Warehouse Code and Bin Location.

If the **All** box is checked for the **Item Number Selection** criterion, the program will print all Bin Locations of the Warehouses.

If the **All** box is unchecked for the **Item Number Selection** criterion, the program will print all Bin Locations of the Items.

Here is an example of printout.



Bin Status Report

The **Bin Status Report** program added under the **Reports** Menu of the **Inventory Management** module enables printing **Bin Status Report**.

Selection	All	Starting	Ending
Bin Location	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text" value="//////"/>
Warehouse	<input checked="" type="checkbox"/>	<input type="text" value=""/>	<input type="text" value="///"/>
Item Number	<input checked="" type="checkbox"/>	<input type="text" value=""/>	<input type="text" value="//////"/>
Show negative only?	<input type="checkbox"/>		

\\igserver\HP LaserJet 1022 Print Preview Printer Setup...

Check this Box to Print all Bin Locations IIG ABC 9/17/2008

The **Bin Status Report** can be filtered based on the following **Selection** criteria: Item Number, Warehouse Code and Bin Location.

If the **All** box is checked for the **Item Number Selection** criterion, the program will print all Bin Locations of the Warehouses.

If the **All** box is unchecked for the **Item Number Selection** criterion, the program will print all Bin Locations of the Items.

BIN STATUS REPORT				
ABC Distribution and Service Corp.				
BIN STATUS REPORT				
WAREHOUSE: 000 CENTRAL WAREHOUSE				
BIN LOC	ITEM NUMBER	DESCRIPTION	U/M	QUANTITY ON HAND
A-A-001-00100	1001-HON-H252	HON 2 DRAWER LETTER FLE W/O LK	EACH	2.00
	1001-HON-H252LK	HON 2 DRAWER LETTER FLE W/ LCK	EACH	1.00
	1001-HON-H254	HON 4 DRAWER LETTER FLE W/O LK	EACH	10.00
	2480-8-50	DESK FILE 3 1/2" CAP 50 LOT NO: JAN10	EACH	1.00
	2568-3-25	DESK FILE 3 1/2" CAP 25 LOT NO: MAR10	EACH	1.00
A-A-A10-010__	PFS-004-CABLE	EIA RS232 CABLE 4 CONDUCTOR	FT	12792.00
A-A-A10-020__	PFS-007-CABLE	EIA RS232 CABLE 7 CONDUCTOR	FT	12000.25
A-A-A20-010__	GB-EQ380-5-MM	CENTRONICS CABLE 5 FT M/M	EACH	235.00

If the **Show negative only?** check box is selected, then the Items having only negative Quantity On Hand will be printed.

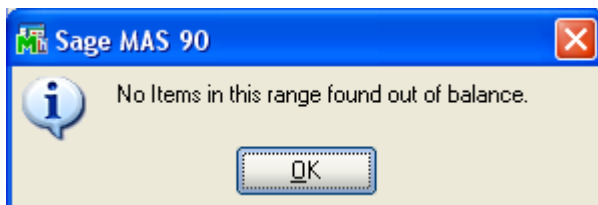
Inventory Qty On Hand Balancing For Multi-Bin

The **Inventory Bin Balancing Utility** program has been added to the **Setup** menu of the **Inventory Management** module to balance the Inventory Quantities on Hand in the I/M Warehouse Details (*IM2*), the I/M Cost Details (*IM3*), and the I/M Bin Details (*IM_BN*) files.

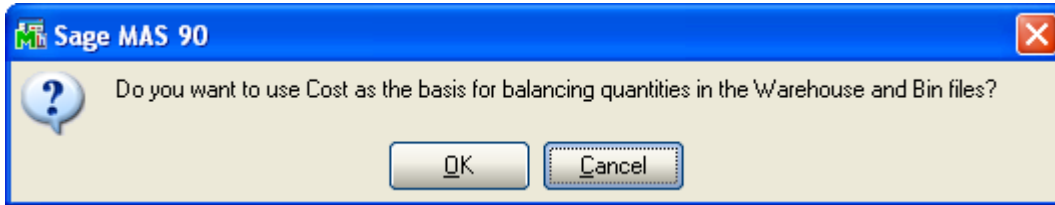
In this screen you can specify data ranges by **Item Number**, **Product Line**, **Warehouse Code**, and **Bin Location** for balancing. You can also select the **Product Type to Print** from the corresponding drop-down box (you can select *All*, *Finished Goods*, *Raw Materials*, or *Discontinued*). Specify the **Item Valuation** from the drop-down box (**Exclude Lot/Serial** or **Only Lot/Serial**).

Click the **Verify** button.

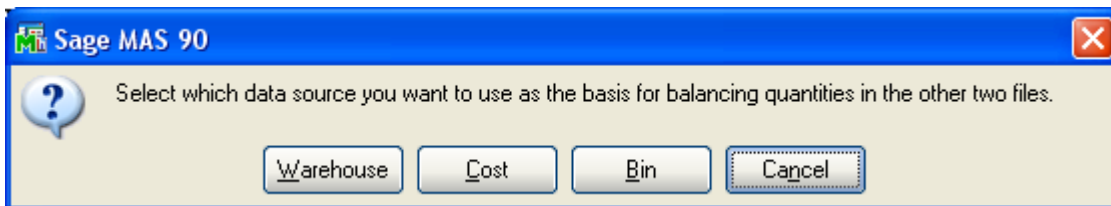
If there are no differences in quantities in these the files, you will get the following message:



If you select the **Only Lot/Serial** in the corresponding drop box, the following message will be displayed:



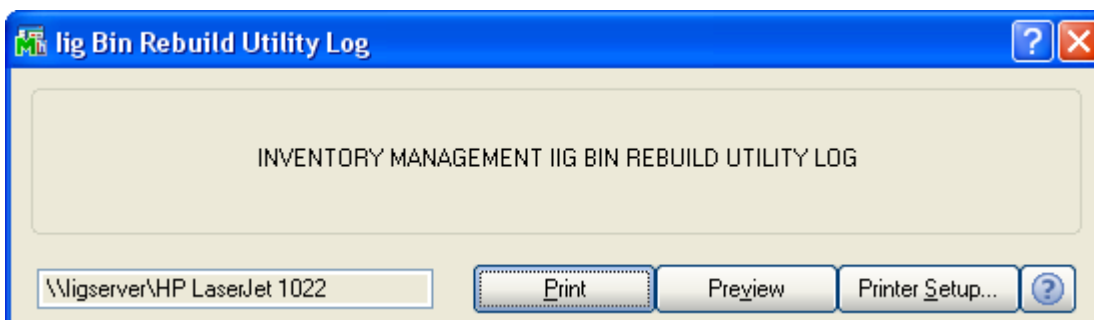
Select **Exclude Lot/Serial** if you want to ignore **Lot/Serial items** during **Item Valuation** . In this case you will receive the following message:



In case of differences in quantities, select which file you will use as a basis to correct the other two files. Your options are:

- **Warehouse** - This will balance the quantities in the I/M Cost Detail File (IM3) and the I/M Bin Detail (IM_BN) file based on the quantities in the I/M Warehouse Detail file (IM2).
- **Cost** - This will use the I/M Cost Detail (IM3) file to balance the quantities in the other two files.
- **Bin** - This will use the I/M Bin Detail (IM_BN) file to balance the quantities in the other two files.

After the program adjusts the quantities, the **IIG Bin Rebuild Utility** log will print.



Here is the result of printout of **IIG Bin Rebuild Utility Log** if you selected **Only Lot/Serial** in the corresponding drop box:

The screenshot shows a window titled "Iig Bin Rebuild Utility Log" for "ABC Distribution and Service Corp.". The main content is a table titled "Inventory Quantity On Hand Balanced by Bin Detail File ()". The table has columns for ITEM NUMBER, WHSE, COSTING METHOD, PROD LINE, PROD TYPE, WHSE DTL QNTY (IM2), COST DTL QNTY (IM3), and BIN DTL QNTY (IM_BN). The data is as follows:

ITEM NUMBER	WHSE	COSTING METHOD	PROD LINE	PROD TYPE	WHSE DTL QNTY (IM2)	COST DTL QNTY (IM3)	BIN DTL QNTY (IM_BN)
2480-8-50	000	LOT	F	FD&A	11,069.00	11,069.00	12,019.00
					11,069.00	11,069.00	11,069.00
2480-8-50	001	LOT	F	FD&A	176.00	176.00	739.00
					176.00	176.00	176.00
2551-3-50	000	LOT	F	FD&A	650.00	650.00	600.00
					650.00	650.00	650.00
8953	000	LOT	F	FD&A	7,113.00	7,113.00	7,109.00
					7,113.00	7,113.00	7,113.00
8953	002	LOT	F	FD&A	849.00	849.00	840.00
					849.00	849.00	849.00
8971	000	LOT	F	FD&A	2,907.00	2,907.00	2,910.00
					2,907.00	2,907.00	2,907.00

And here is an example of printout where **Lot/Serial Items** are excluded:

ABC Distribution and Service Corp.
INVENTORY QUANTITY ON HAND BALANCING
Lot/Serial Items Are Excluded

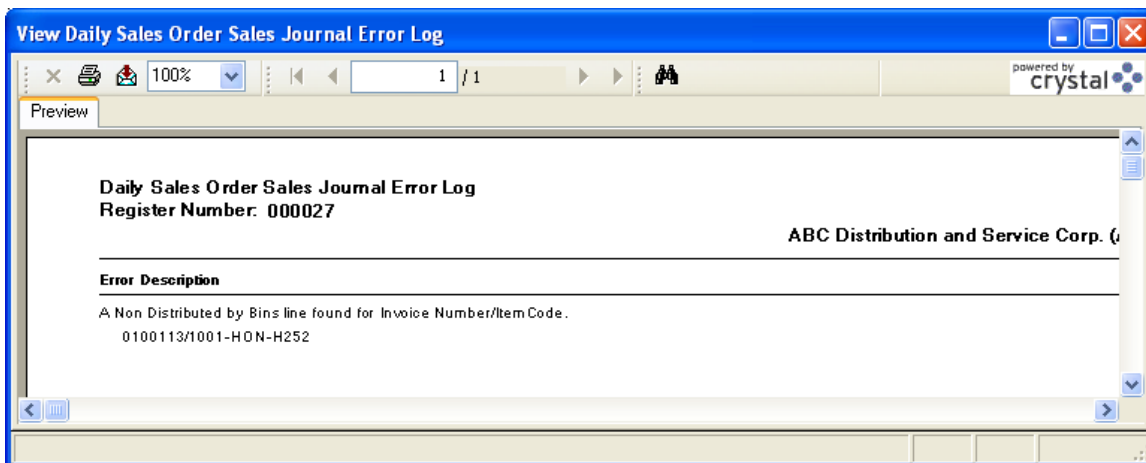
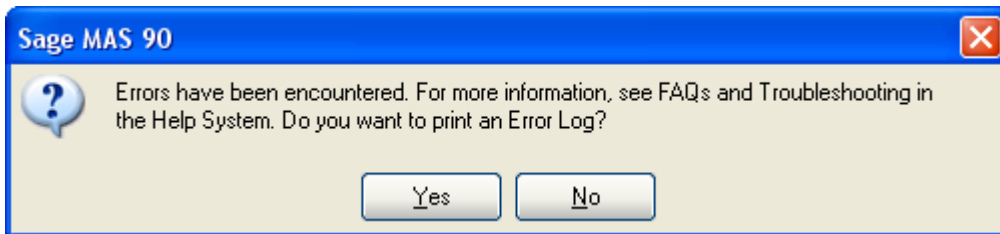
Inventory Quantity On Hand Balanced by Bin Detail File ()

ITEM NUMBER	WHSE	COSTING METHOD	PROD LINE	PROD TYPE	WHSE DTL QNTY (IM2)	COST DTL QNTY (IM3)	BIN DTL QNTY (IM_BN)
1001-HON-H252	000	FIFO	F	WF&A	2,495.00	2,495.00	2,494.00
					2,494.00	2,494.00	2,494.00
1001-HON-H252	097	FIFO	F	WF&A	2.00	2.00	.00
					.00	.00	.00

Note: This utility updates the quantities in the detail files, and does not update the G/L.

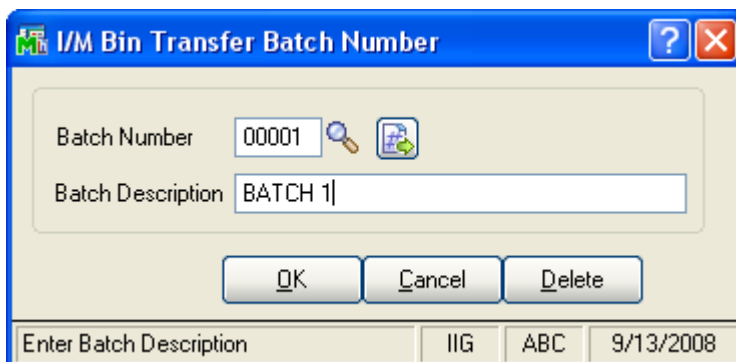
Daily Sales Reports/Updates

If there are Invoices with lines (from Warehouse(s) with Bins) not distributed or distributed partially then the **Daily Sales Reports/Updates** is interrupted and error log is printed while updating the Sales Journal.



Bin Transfer Entry

The **Bin Transfer Entry** program has been added under the **Inventory Management Main** menu to allow transfer of items among Bin Locations. The transfers are not posted until the batch is printed and the user accepts the Batch Transfer Register.



The screenshot shows a Windows-style dialog box titled "I/M Bin Transfer Batch Number". It has a blue title bar with a question mark icon and a close button. The main area contains two input fields: "Batch Number" with the value "00001" and a search icon, and "Batch Description" with the value "BATCH 1". Below these fields are three buttons: "OK", "Cancel", and "Delete". At the bottom, there is a status bar with the text "Enter Batch Description", "IIG", "ABC", and "9/13/2008".

Specify desired **Batch Number** with **Batch Description** or select from the lookup.

Click **OK** to continue.

Bin Transfer Entry

Warehouse Code: 000 CENTRAL WAREHOUSE

Item Number: 1001-HON-H254 HON 4 DRAWER LETTER FLE W/O LK

From bin: A-A-E30-030

Quantity to Transfer: 0.00 Available Quantity: 76.00

To bin:

Buttons: OK, Undo, Del

Whse	Item Number	Lot/Serial	From Bin	Qty	To Bin
000	1001-HON-H254		A-A-E30-030	10.00	A-A-001-0010

Keep Warehouse Keep Bin Keep Item Batch: 00001

Buttons: Select All, Unselect All, Del. sel. lines, Cancel, Print

Status: IIG ABC 9/13/2008

Select **Warehouse Code** and **Item Number** in the corresponding fields.

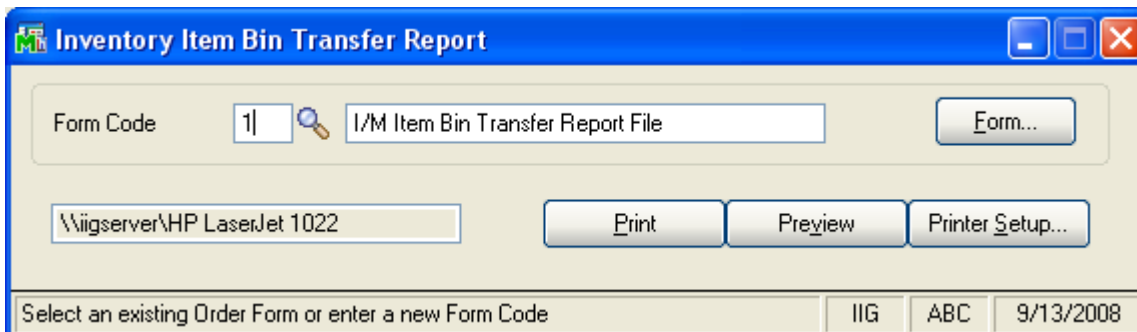
In the **From bin** field specify the warehouse from which the quantity is going to be transferred and in the **To bin** field specify the warehouse where the quantity is going to be populated.

Specify the **Quantity to Transfer** in the corresponding field.

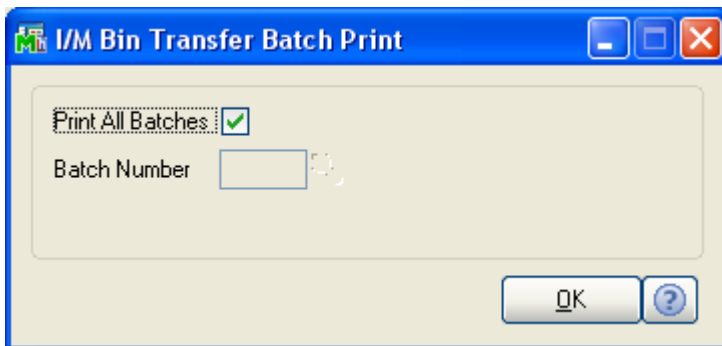
If the **Keep Warehouse**, **Keep Bin**, **Keep Item** check boxes are selected, the values of the **From bin**, **Quantity to Transfer**, **To bin** fields will remain after clicking **OK**. Clicking the **Print** button will open the **Bin Transfer Register**.

Bin Transfer Register

The **Bin Transfer Register** program has been added under the **Inventory Management Main** menu.

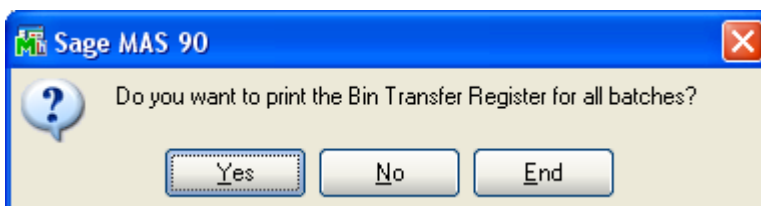


When clicking the **Print/Preview** button, the **I/M Batch Print** screen is opened.

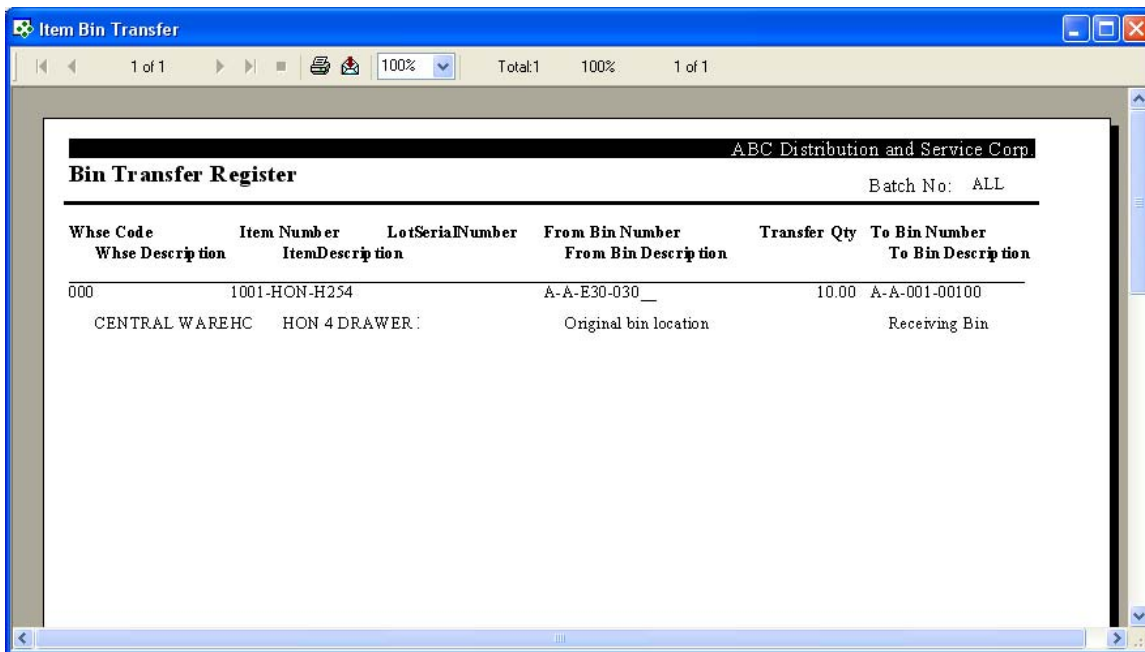


In this screen choose to print either All Batches (by selecting the **Print All Batches** option) or an exact one (by removing the **Print All Batches** option).

If you select the **Print All Batches** check box, the following message is displayed:



Here is an example of printout:



Item Bin Transfer

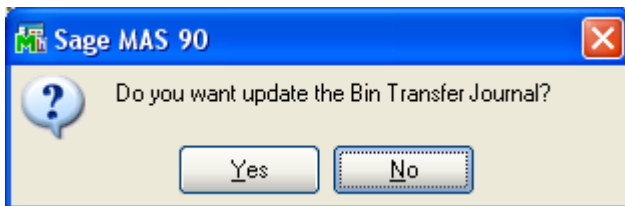
1 of 1 100% Total:1 100% 1 of 1

ABC Distribution and Service Corp.

Bin Transfer Register Batch No: ALL

Whse Code	Item Number	LotSerialNumber	From Bin Number	Transfer Qty	To Bin Number
Whse Description	ItemDescription		From Bin Description		To Bin Description
000	1001-HON-H254		A-A-E30-030__	10.00	A-A-001-00100
CENTRAL WAREHC	HON 4 DRAWER :		Original bin location		Receiving Bin

After closing the printout, a confirmation box appears asking whether to update the **Bin Transfer Journal** or not.



After clicking **Yes**, the Items will be transferred.

Bin Committed Quantity

The **Bin Committed Quantity** program added to the **Inventory Management Main Menu** is intended for displaying the entries where there are quantities committed for the selected Item in the specified Warehouse/Bin location. The program shows the quantities committed from the following entries:

1. Disassembly Entry
2. Production Entry
3. Bin Transfer Entry
4. Transaction Entry
5. Work Order Transaction Entry
6. Invoice Data Entry
7. Sales Order Entry
8. Return of Goods

Warehouse Code

Item Number

Bin Number

Entry	Number	Type	Item Number	Whse	Bin Number	QtyCommitt	Comment

Disassembly Production Bin Transfer Tran. Entry WO Trans. SO Invoice SO Order Ret. of Goods

Total Orig. Commit

Enter Warehouse Code IIG ABC 7/17/2009

Select the **Warehouse Code**, **Item Number** and **Bin**. The grid is loaded with the lines having quantities committed in the above stated entries.

Bin Committed Quantity

Warehouse Code: 001 EAST WAREHOUSE
 Item Number: 1001-HON-H252 HON 2 DRAWER LETTER FILE W/D LK
 Bin Number: A-A-E30-010 Original bin location

Entry	Number	Type	Item Number	Whse	Bin Number	QtyCommitt	Comment
Bin Transfer			1001-HON-H252	001	A-A-E30-010	6.000	
Transaction	00000010	S	1001-HON-H252	001	A-A-E30-010	10.000	
SO Order	B000001	S	1001-HON-H252	001	A-A-E30-010	1.000	
SO Order	B000002	B	1001-HON-H252	001	A-A-E30-010	1.000	
SO Order	B000009	B	1001-HON-H252	001	A-A-E30-010	2.000	
SO Order	B000009	B	1001-HON-H252	001	A-A-E30-010	2.000	
SO Invoice	0100113	IN	1001-HON-H252	001	A-A-E30-010	2.000	
SO Invoice	0100113	IN	1001-HON-H252	001	A-A-E30-010	1.000	

Disassembly: 0.000 Production: 0.000 Bin Transfer: 6.000 Tran. Entry: 10.000 W/O Trans.: 0.000 SO Invoice: 3.000 SO Order: 6.000 Ret. of Goods: 0.000

Total: 25.000 Orig. Committ: 25.000 **Fix** **Cancel**

IIG ABC 7/17/2009

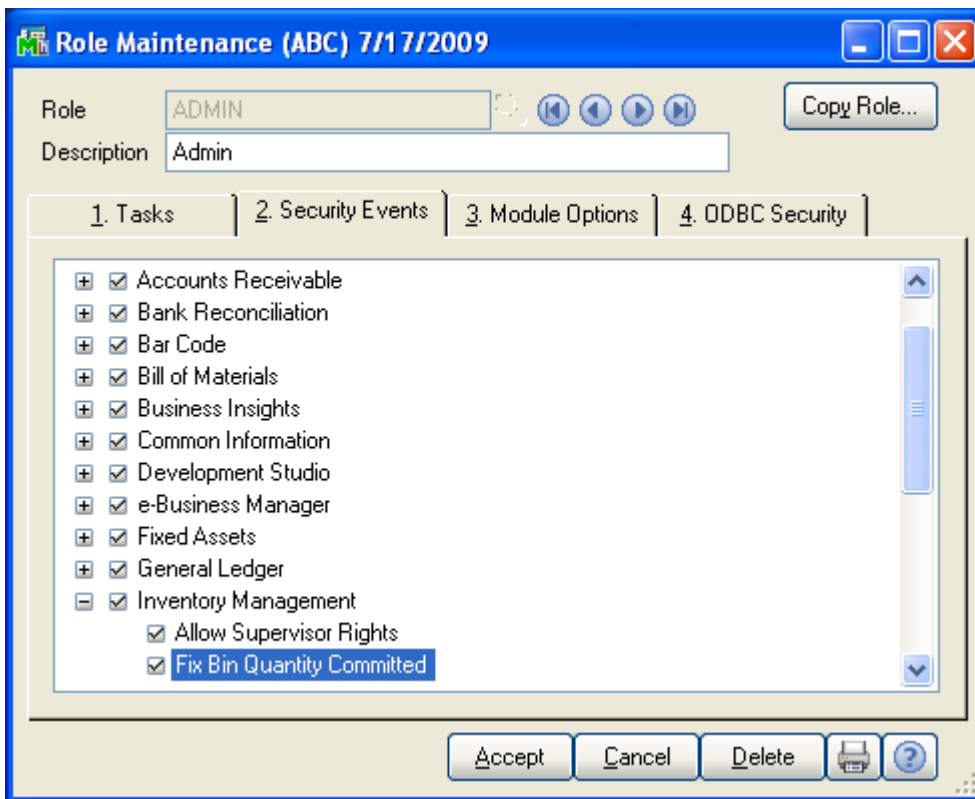
The **Orig. Commit.** field displays the actual quantity committed (from the IM_BN data file).

The **Total** field indicates the quantities committed from the above stated entries.

The **Fix** button allows correcting the quantity committed for that item and bin if the **Total** committed quantity does not match the **Orig. Committed** quantity.

Upon clicking the **Fix** button the **Orig. Commit** qty is corrected based on the **Total** quantity.

The **Fix** button is shown only if the corresponding **Fix Bin Quantity Committed** option is selected for the Inventory Management module in the **Security Events** of the **Role Maintenance**.



Bin Quantity Recalculation Utility

The **SWCQTY** utility program has been developed to allow recalculating the quantities committed by bins throughout the system.

Run the **SWCQTY** program from **File->Run** menu.

Note: While running this utility, make sure the bins are not in use by other tasks.

After the recalculation is completed a log file is created in the Home\Textout folder of the system.

Here is an example of a log file recorded after the bin quantities recalculation.

Item No	WHSE	Lot/Serial	Bin Number	On Hand	Old On Hand	New On Hand	Old Committed	New Committed QTY
1001-HON-H252	0	AA20040		2510	511	511	8	0
1001-HON-H252	0	AE50040		2510	77	77	1	0
1001-HON-H252	1	100100		972	-2	-2	-2	0
1001-HON-H252	1	AA20030		972	99	99	1	0
1001-HON-H252	1	AE30010		972	386	386	104	88
1001-HON-H254	1	AE30030		7	7	7	7	4
2480-8-50	2	10-Jan	AC10010	204	159	159	3	123

Auto Generate Invoice Selection

The **Auto distribute by bin location** check box has been added to the **Auto Generate Invoice Selection** screen. This check box will be disabled if the **Ship Invoice Complete** box is not selected.

Order Type to Generate From: Standard/Back Orders

Ship Invoice Complete:

Select Expired Orders:

Select Orders on Hold:

Auto distribute by bin location:

Select Field	Operand	Value
Sales Order Number	All	
Sales Order Date	All	
Customer Number	All	
Salesperson	All	
Cycle Code	All	
Ship Date	All	
Promise Date	All	

Buttons: Clear, Proceed, Cancel, Print, Help

If the **Auto distribute by bin location** check box is selected, all the ordered quantities will be automatically distributed and shipped with the quantity equal to the quantity distributed.

Otherwise, if that box is not selected, only the quantities will be shipped which have been distributed in Sales Order. If the quantities have not been distributed, the ship quantities will be 0 for each line. For **Lot/Serial Items** fully distributed by Lot/Serial number but not distributed fully by Bins in the Sales Order Entry the quantities distributed by bin will be shipped and the quantities distributed by Lot/Serial will be lessened to match the Bin distributed quantity.