



Universal Product Codes Processing For Sage 100 ERP 2015

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Installation Instructions and Cautions

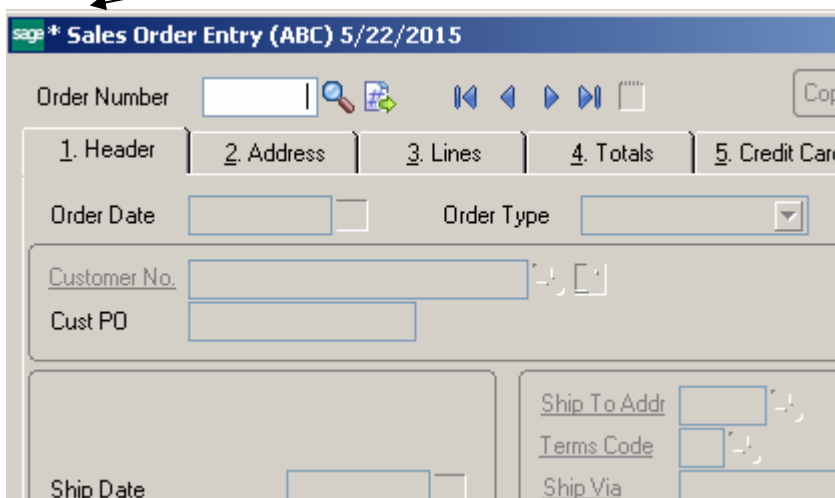
PLEASE NOTE: SAGE 100 ERP must already be installed on your system before installing any IIG enhancement. If not already done, perform your SAGE 100 ERP installation and setup now; then allow any updating to be accomplished automatically.

Once SAGE 100 ERP 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 SAGE 100 ERP 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 SAGE 100 ERP.

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	5.10		AAAAAAAAAAAAAAAA	BBBBB
IIG Enhancement	5.20		AAAAAAAAAAAAAAAA...	BBBBB

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.

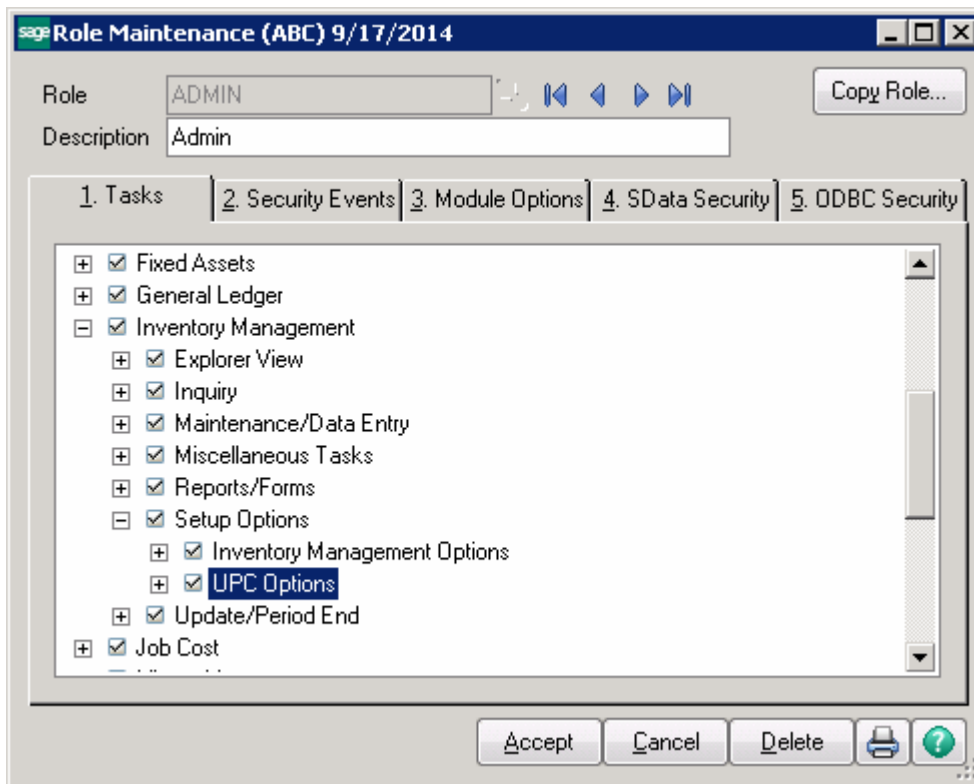
ODBC Security

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 **UPC** enhancement enables assigning Universal Product Codes (UPC) to items and recognizing items by UPC.

You can choose your system to work with either of these codes: UCC-12, EAN/UCC-13, EAN/UCC-14.

This enhancement checks the UPC codes to be unique throughout the system.

UPC codes can be assigned to each item manually or to group of items automatically.

UPC Options

The **UPC Options** program has been added under the **Inventory Management Setup** menu.

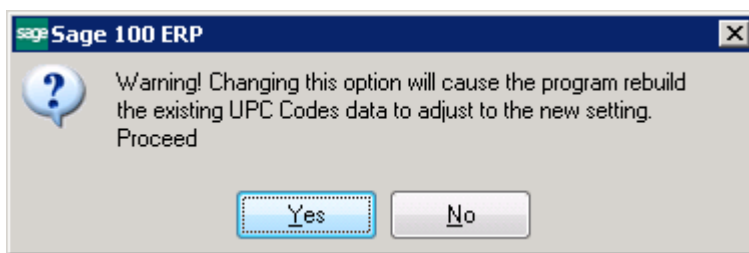
The screenshot shows the 'UPC Options' dialog box. The 'UPC Code Type' is set to 'UCC-12'. The 'Allow Only Selected Type' checkbox is unchecked, while 'Enforce UPC is unique', 'Allow for Components', 'Use UPC Codes by U/M', and 'Generate ITF-14 Codes for U/M' are all checked. The 'Use UCC' checkbox is also checked. The 'UCC Code' field contains '000000001' and the 'UPC Next Auto Item Reference' field contains '000020'. The dialog includes a 'Manual' button and 'Accept', 'Cancel', and a printer icon button.

The **UPC Code Type** determines the default length to be used for the code – 12, 13 or 14 digits. The available options are UCC-12, EAN/UCC-13, EAN/UCC-14.

Check the **Allow Only Selected Type** box to force the programs to reject UPC Codes of the lengths different from the selected.

Generally, if the **Allow Only Selected Type** box is cleared, the enhancement uses 14 digits for UPC Codes. If the entered UPC Code is 13 or 12 digits long, the program adds one or two zeroes correspondingly to the beginning of the Code. The default length determines possible **UCC Code** and **Item Reference** combinations.

Changing the **Allow Only Selected Type** option after using the UPC Codes in the system, can lead to problems after rebuilding the data connected to the already entered and used UPC Codes.



Check the **Enforce UPC is unique** box if you want the program to not allow assigning already existing UPC Codes.

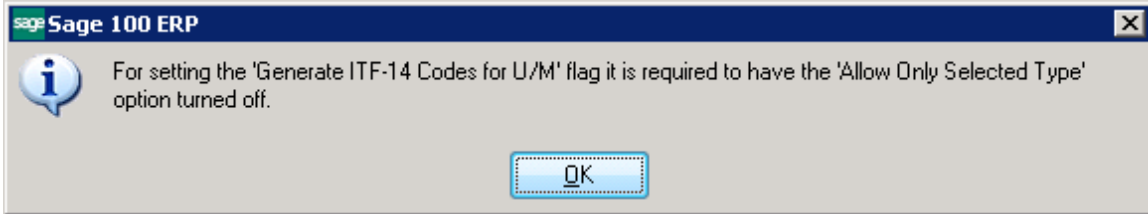
Note that if this option is selected after entering a number of UPC Codes, the program will start checking if the Code has already been assigned only for the newly entered Codes. Hence, there might remain duplicate UPC Codes in the system.

Check the **Allow for Components** box to allow assigning UPC Codes to components of Kits/Bills of Materials.

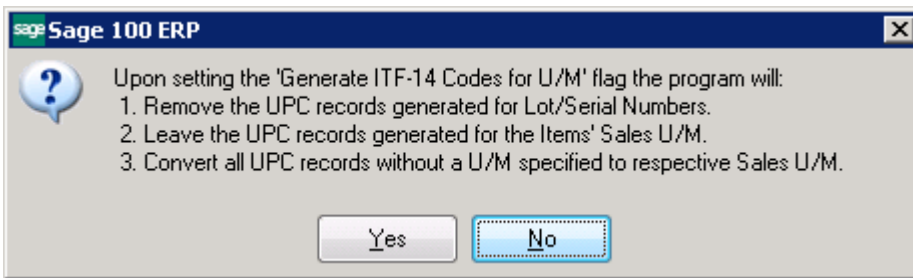
The **Use UPC Codes by U/M** checkbox, when selected, allows processing separate **UPC codes** by each **U/M**.

Generate ITF-14 Codes for U/M checkbox is intended for enabling/disabling generation of ITF-14 (UPC Shipping Container Symbol) codes. For generation of ITF-14 codes the program uses the same UPC Code as the base Item and prefixes the code with packaging indicator. If this option is turned on the Tare Type column becomes available in the UPC Code Maintenance to allow specifying the packaging type for ITF Code generation. Refer to [ITF-14 Processing](#) for details.

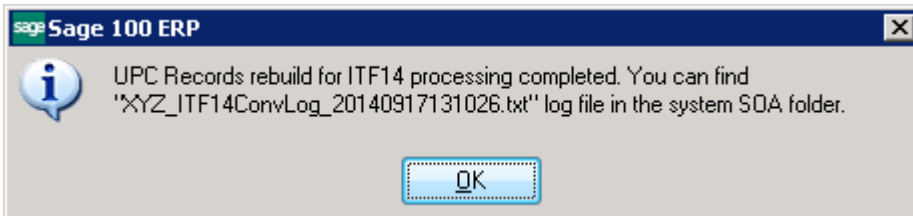
In order to use this options it is necessary to have **Allow Only Selected Type** option unchecked in the UPC Options, otherwise the following message appears upon selecting the checkbox.



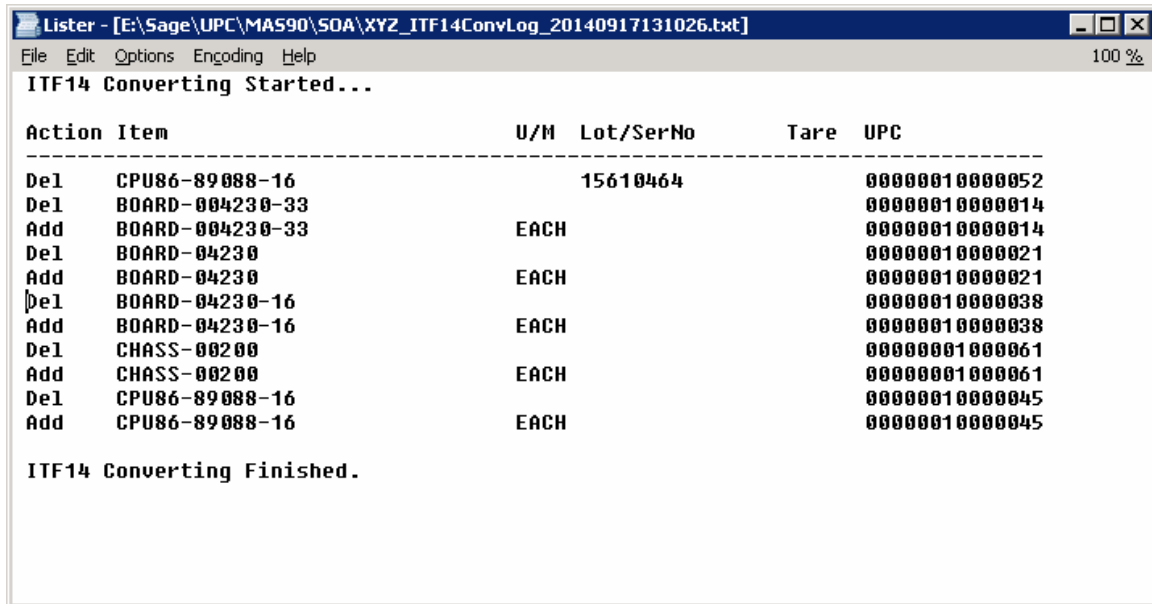
If there are UPC Codes already generated in the system the following message will appear upon enabling the ITF-14 code generation option:



Selecting Yes will proceed with UPC records rebuilding:



The Log file (XYZ_ITF14ConvLog_20140917131026.txt) created in the SOA folder provides with detail information for each Item processed:



```

ITF14 Converting Started...

Action Item                U/M  Lot/SerNo      Tare  UPC
-----
Del  CPU86-89088-16          15610464      00000010000052
Del  BOARD-004230-33
Add  BOARD-004230-33          EACH      00000010000014
Del  BOARD-04230
Add  BOARD-04230          EACH      00000010000021
Del  BOARD-04230-16          00000010000038
Add  BOARD-04230-16          EACH      00000010000038
Del  CHASS-00200
Add  CHASS-00200          EACH      00000010000061
Del  CPU86-89088-16          00000010000045
Add  CPU86-89088-16          EACH

ITF14 Converting Finished.
    
```

Check the **Use UCC** box, if your company manufactures inventory rather than purchasing and selling finished goods.

The **UCC Code** is the company code, which will be used as the default for the part of the UPC codes. The **UCC Code** cannot be shorter than 6 digits.

The **UPC Next Auto Item Reference** is for adding to the **UCC Code** for assigning UPC Codes automatically in the **UPC Code Maintenance** program. The **Item Reference** cannot be shorter than 2 digits.


The sum of the **UCC Code** and **Item Reference** lengths is equal to the length of the **UPC Code Type** selected (12, 13, or 14).

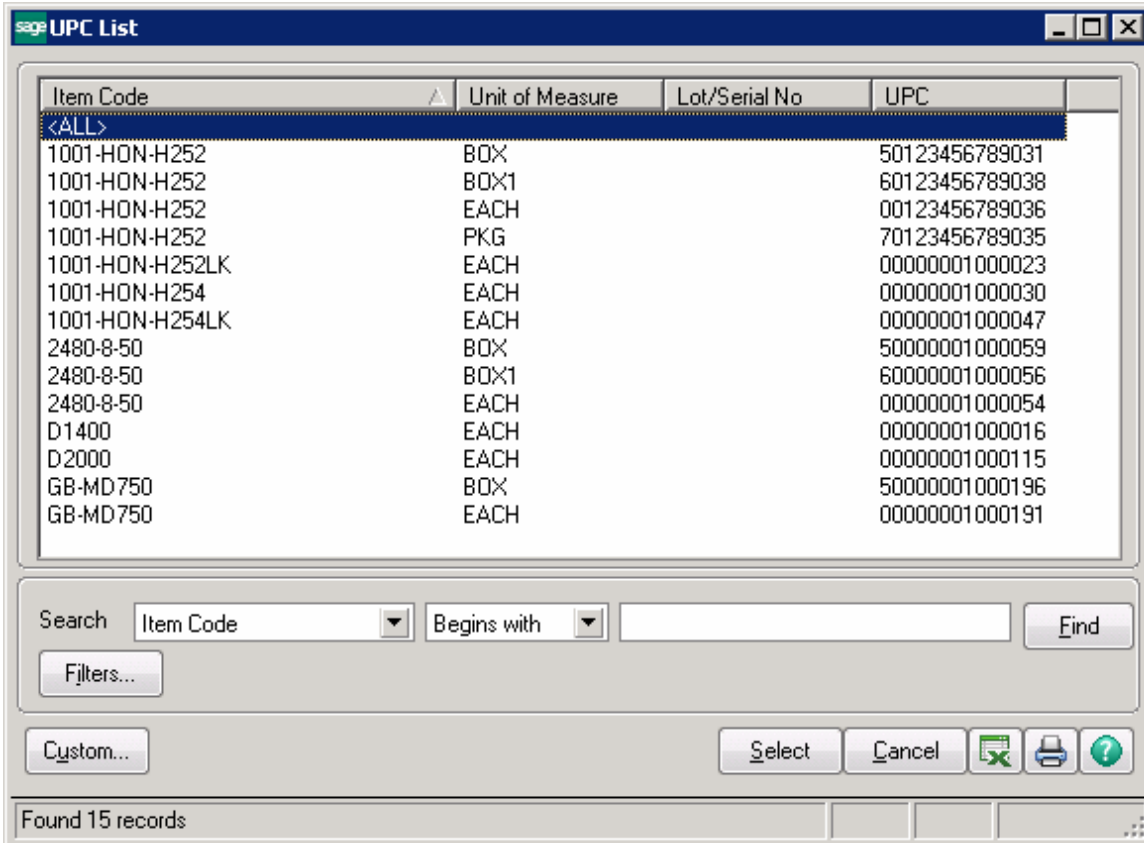
UPC Codes

The **UPC Code Maintenance** program under the **Inventory Management Setup** menu allows for assigning UPC Codes to the selected items and reviewing all the UPC Codes in the system.

The screenshot shows a software window titled "UPC Code Maintenance (ABC) 9/17/2014". The window contains a "Selection" section with an "Item Code" input field, a magnifying glass icon, and an "All" checkbox. To the right is a "UCC" section with "UCC Code" (000001) and "Auto Next No." (00020) input fields. The main area is a table with columns "Item Code", "Unit Of Measure", and "UPC". The table is currently empty. At the bottom are buttons for "Auto", "Accept", "Cancel", "Delete", and a printer icon.

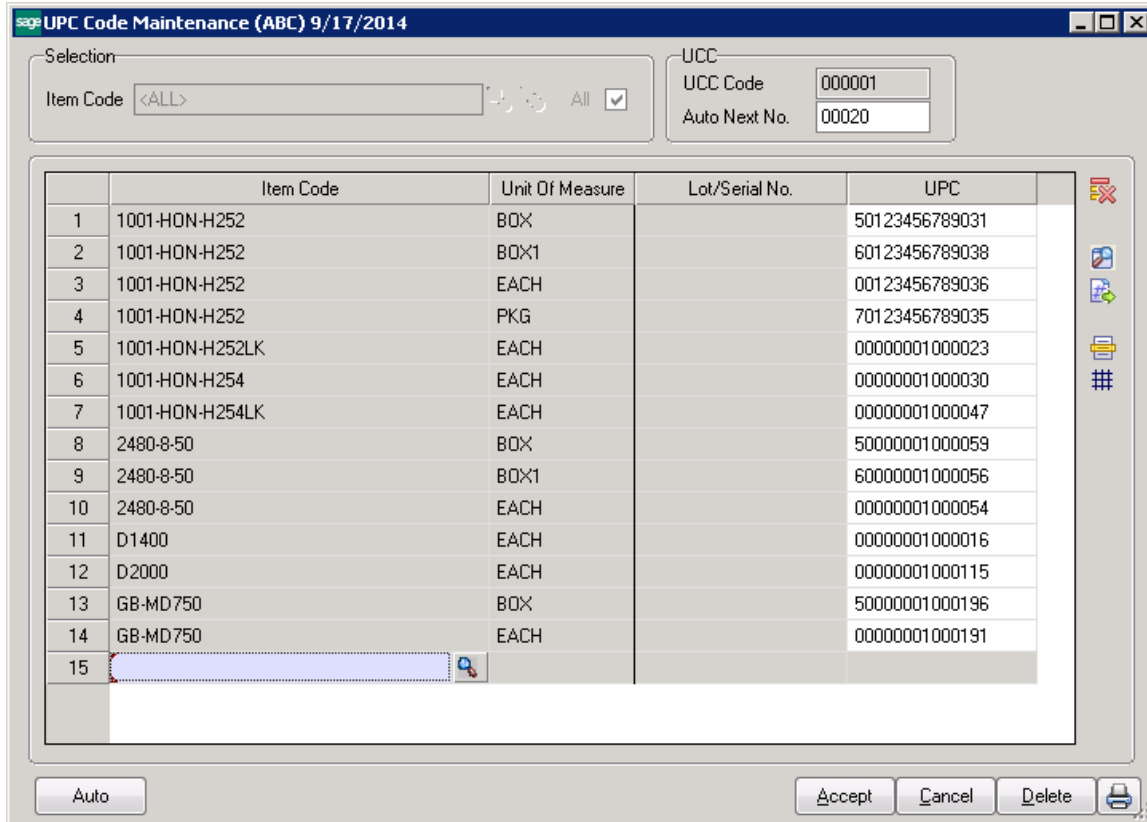
To add an item to the list, enter the **Item Code**, or select it using the **Lookup** button.



Press the  Lookup button to list Items with UPC codes already assigned.

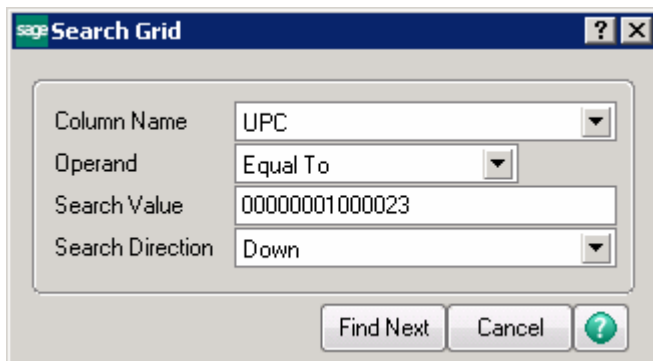


Press the  Flashlight button to list all Inventory Items.

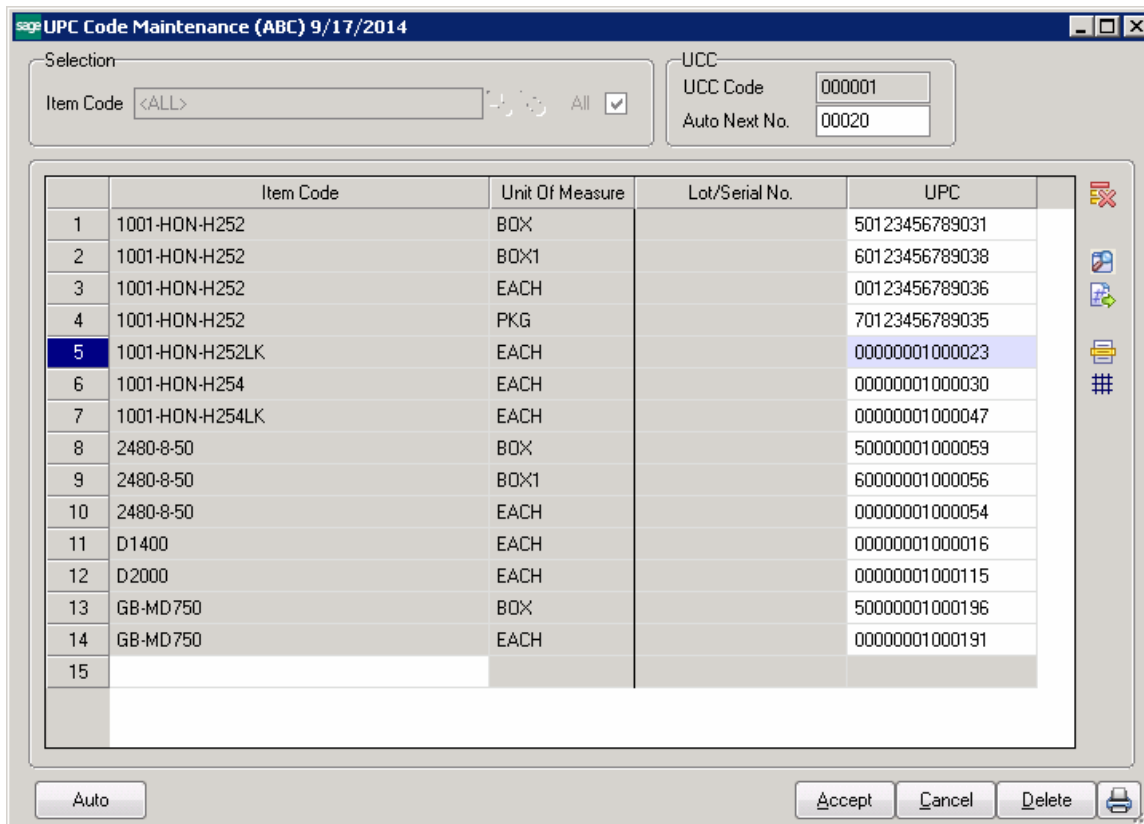
Upon selecting **All** checkbox, all Items having UPC code assigned are loaded in the grid. After the Items are loaded in the grid the user can add new Items and assign UPC code.



-  -Delete Row button allows deleting the selected row.
-  - Find Row button allows for searching a row in the Search Grid window.

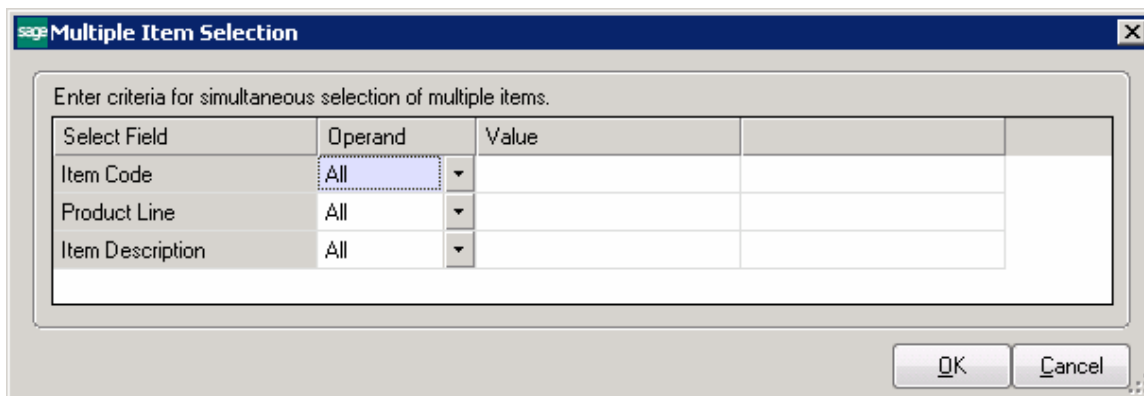


Upon pressing **Find Next** respective row in the grid is highlighted.



- **Assign UPC, Alt-X** button allows for assigning a UPC Code to the selected line.

- **Multiple Item Selection**- allows for adding in the grid multiple Items at once. Upon pressing this button Multiple Item Selection screen is opened allowing the user to add Items by certain selection criteria.



- **Multiple Selections for UPC Clearing.** This button allows for deleting UPC codes only for Items meeting certain selection criteria.

Select Field	Operand	Value
Item Code	All	
Product Line	All	
Item Description	All	
Lot/Serial No	All	
UPC	All	
Unit Of Measure	All	

The **UCC Code** and **Auto next No** fields are available only if the **Use UCC** option is checked in the **UPC Options**.

The **UOM** column is available only if the **Use UPC Codes by U/M** checkbox is selected in the **UPC Options**.

Upon unchecking the **Use UPC Codes by U/M** box in the **UPC Options** screen, the following dialog appears:

Click **Yes**, if you want to delete all **UPC codes** by **UOM**. When clicking **No** the **UOM** field is hidden in this screen.

Component of a Kit or Bill of Materials cannot be assigned UPC Code, if the **Allow for Components** box is not checked in the **UPC Options**.

UCC Code and **Auto Next Number** are defaulted to the **UPC Options** settings.

Click the **Auto** button to assign codes automatically to all the listed Items not having UPC Codes yet.

If the **Allow Only Selected Type** box is cleared in the **UPC Options**, any valid UPC Code may be entered. The length

can be 12, 13 or 14 digits. If the entered UPC Code is 13 or 12 digits long, the program adds one or two zeroes correspondingly to the beginning of the Code. The Checking Digit is checked to be valid. If the Use UCC option is set in the UPC Options, you may enter only Item Reference (the length must correspond to the Options). In this case the program will use the UCC Code and calculate the Checking Digit to form complete UPC Code.

When changing or deleting an Item through the **Delete and Change Items** program opened from the **Inventory Management Utilities** menu, the item will be respectively deleted or changed in UPC Master File.

ITF-14 Processing

If the **Generate ITF-14 Codes for U/M** option is enabled in the UPC Options the Tare Type column becomes available in the UPC Code Maintenance grid allowing the user to specify the type of package
ITF-14 codes are all 14 digits. The first digit describes the type of package. There are no official restrictions on values 1 through 7 other than the contents must have the same UPC indicated by the container symbol. The following codes are used by convention:

0. UPC code of contents differs from case code
1. More than each and below inner packs
2. Alternative for 1
3. Inner packs
4. Alternative for 3
5. Shipping containers (cartons)
6. Alternative for 5
7. Pallet
8. Reserved by Uniform Code Council for future use
9. Variable quantity content

Only the following types are supported by UPC enhancement:

- 3. Inner packs**
- 5. Shipping containers (Case)**
- 6. Alternative for 5 (Master pack)**
- 7. Pallet**
- 9. Variable quantity content**

Based on these values the generated UPC codes will consist of the ITF code prefix (3, 5, 6, 7 and 9) indicating the package type added the master UPC code (the UPC code of the Item's Sales U/M) minus the check digit.

Item Code	Unit Of Measure	Tare Type	UPC
-----------	-----------------	-----------	-----

For generating ITF-14 code it is necessary to select the Unit of Measure for an Item, specify the Tare Type from respective drop-down and press Auto or Assign UPC buttons. The program will generate the ITF-14 UPC code based on the Tare type for current line and respective master Item UPC Code.

sage UPC Code Maintenance (ABC) 9/17/2014

Selection: Item Code <ALL> All

UCC: UCC Code 000001 Auto Next No. 00052

	Item Code	Unit Of Measure	Tare Type	UPC
1	1001-HON-H252	EACH		00000001000375
2	1001-HON-H252LK	EACH		00000001000382
3	1001-HON-H254	EACH		00000001000399
4	1001-HON-H254LK	EACH		00000001000405
5	2480-8-50	EACH		00000001000412
6	2481-5-50	EACH		00000001000429
7	2551-3-50	EACH		00000001000436
8	2568-3-25	EACH		00000001000443
9	4886-18-14-3	EACH		00000001000450
10	6650-26-16-11	EACH		00000001000467
11	6652-28-24-15	EACH		00000001000474
12	6655	EACH		00000001000481
13	6657-24-20-12	EACH		00000001000498
14	8953	EACH		00000001000504
15	8971	EACH		00000001000511
16	1001-HON-H252	CASE		
17				

Case
Master Pack
Pallet
Inner Pack
Variable

Auto Accept Cancel Delete

sage UPC Code Maintenance (ABC) 9/17/2014

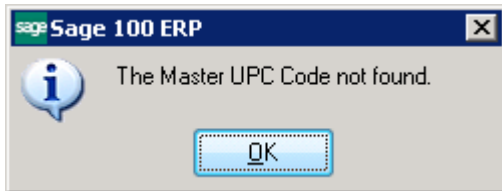
Selection: Item Code <ALL> All

UCC: UCC Code 000001 Auto Next No. 00052

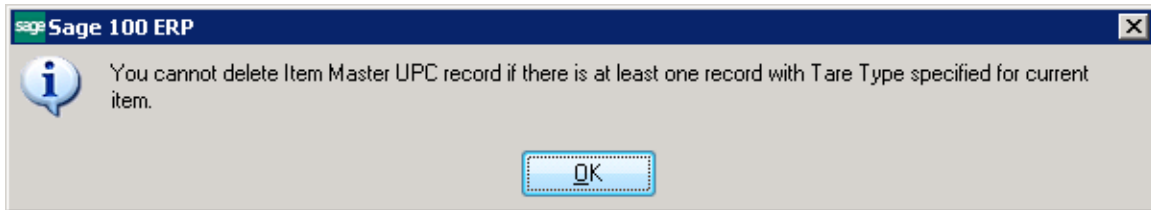
	Item Code	Unit Of Measure	Tare Type	UPC
1	1001-HON-H252	EACH		00000001000375
2	1001-HON-H252LK	EACH		00000001000382
3	1001-HON-H254	EACH		00000001000399
4	1001-HON-H254LK	EACH		00000001000405
5	2480-8-50	EACH		00000001000412
6	2481-5-50	EACH		00000001000429
7	2551-3-50	EACH		00000001000436
8	2568-3-25	EACH		00000001000443
9	4886-18-14-3	EACH		00000001000450
10	6650-26-16-11	EACH		00000001000467
11	6652-28-24-15	EACH		00000001000474
12	6655	EACH		00000001000481
13	6657-24-20-12	EACH		00000001000498
14	8953	EACH		00000001000504
15	8971	EACH		00000001000511
16	1001-HON-H252	CASE	Master Pack	60000001000377
17				

Auto Accept Cancel Delete

The program allow only for entry of UPC code compatible for the specified tare type. The ITF-14 code can be generated only for the lines having Item master UPC code assigned, otherwise the following message appears:



The Item master UPC record cannot be deleted or changed if at least one UPC record is found for that Item with Tare Type specified.



The Next UPC Code logic is not applied for ITF-14 codes. In this case the program generates the ITF-14 code using the master UPC code and the Tare type schema instead of using the Auto Next No.

The Lot/Serial number column is not available if ITF-14 processing is enabled.

Item Maintenance

The **UPC** field and the **UPC Code Maintenance** button have been added to the **Main** tab of the **Item Maintenance** screen.

The **UPC Code** button allows processing **UPC Codes**.

Item Maintenance (ABC) 9/17/2014

Item Code: 1001-HON-H252
 Description: HON 2 DRAWER LETTER FLE W/D LK

1. Main | 2. Additional | 3. Quantity | 4. History | 5. Transactions | 6. Orders | 7. Cost Detail

Product Line: WFA WORKSTATION FURN & ACCESS
 Product Type: Finished Good | Weight: 35
 Valuation: FIFO | Volume: 0.0000
 Procurement: Buy | Inventory Cycle: B

Unit of Measure: Standard EACH
 Purchases EACH | No. of EACH: 1
 Sales EACH | No. of EACH: 1

UPC: 00000001000535 (highlighted)

Price Code: STD STANDARD QUANTITY PRIC | Primary Vendor: 01-CONT
 Default Whse: 000 CENTRAL WAREHOUSE | Warranty Code: 30 DAY

Sales: Retail Price 84.000 | Standard Price 84.000 | Last Sold 5/1/2010
 Purchases: Standard Cost 32.750 | Average Cost 34.250 | Last Receipt 5/1/2010
 Last Costs: Item 34.250 | Allocated .000 | Total 34.250

Whse	Description	On Hand	On PO	On SO	On Bk Ord	Committed	Available	In Shipping	On H
000	CENTRAL ...	2,675.00	3.00	.00	.00	.00	2,675.00	.00	
001	EAST WA...	992.00	.00	7.00	.00	7.00	985.00	.00	
002	WEST WA...	1,519.00	.00	12.00	10.00	22.00	1,497.00	.00	
098	SCRAP W...	1.00	.00	.00	.00	.00	1.00	.00	

Buttons: Accept, Cancel, Delete, Print, Help

Click the **UPC Code** button to display corresponding screen for the selected item.

Selection: Item Code 1001-HON-H252 All

UCC: UCC Code 000001 Auto Next No. 00054

	Unit Of Measure	UPC
1		00000001000535
2	CASE	60000001000377
3	EACH	00000001000375
4		

Auto Accept Cancel Delete

The **UPC Code** without any UM specified is defaulted to the **UPC** field.

If the **Use UCC** option is checked in the UPC Options, the **Auto** and **UPC #** buttons becomes visible. It is available for the items not having **UPC Code** yet. The Code will be formed from the **UCC Code** and the **Next Auto Item Reference** set in the **UPC Options**. The Checking Digit will be calculated automatically.

If the **Generate ITF-14 Codes for U/M** option is turned on in the UPC options the Item's Master UPC code is loaded into the UPC field. For items not having UPC code generated yet, the master UPC code will be generated upon pressing the Next UPC button.

Selection

Item Code: 1001-HON-H252 All

UCC

UCC Code: 000001

Auto Next No.: 00053

	Unit Of Measure	Tare Type	UPC
1	CASE	Master Pack	60000001000377
2	EACH		00000001000375
3			

Auto Accept Cancel Delete

When Deleting or Renumbering, the Item will be correspondingly deleted or renumbered in UPC Master File.

Item Inquiry

The UPC Codes are supported in the Item Inquiry.
 Enter/Scan the UPC Code and respective Item Code
 information will be loaded in the Item Inquiry screen.

SAP Item Inquiry (ABC) 9/17/2014

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

1. Main | 2. Additional | 3. Quantity | 4. History | 5. Transactions | 6. Orders | 7. Cost Detail

Product Line: WF&A WORKSTATION FURN & ACCESS
 Product Type: Finished Good Weight: 35
 Valuation: FIFO Volume: 0.0000
 Procurement: Buy Inventory Cycle: B

Unit of Measure: Standard: EACH No. of EACH: 1
 Purchases: EACH No. of EACH: 1
 Sales: EACH No. of EACH: 1
 UPC: 00000001000535

Price Code: STD STANDARD QUANTITY PRIC Primary Vendor: 01-CONT Container Corporation Of Usa
 Default Whse: 000 CENTRAL WAREHOUSE Warranty Code: 30 DAY 30 days from shipment

Sales: Retail Price: 84.000 Standard Price: 84.000 Last Sold: 5/1/2010
 Purchases: Standard Cost: 32.750 Average Cost: 34.250 Last Receipt: 5/1/2010
 Last Costs: Item: 34.250 Allocated: .000 Total: 34.250

Quantities

Whse	Description	On Hand	On PO	On SO	On Bk Ord	Committed	Available	In Shipping	On H
000	CENTRAL ...	2,675.00	3.00	.00	.00	.00	2,675.00	.00	
001	EAST WA...	992.00	.00	7.00	.00	7.00	985.00	.00	
002	WEST WA...	1,519.00	.00	12.00	10.00	22.00	1,497.00	.00	
098	SCRAP W...	1.00	.00	.00	.00	.00	1.00	.00	

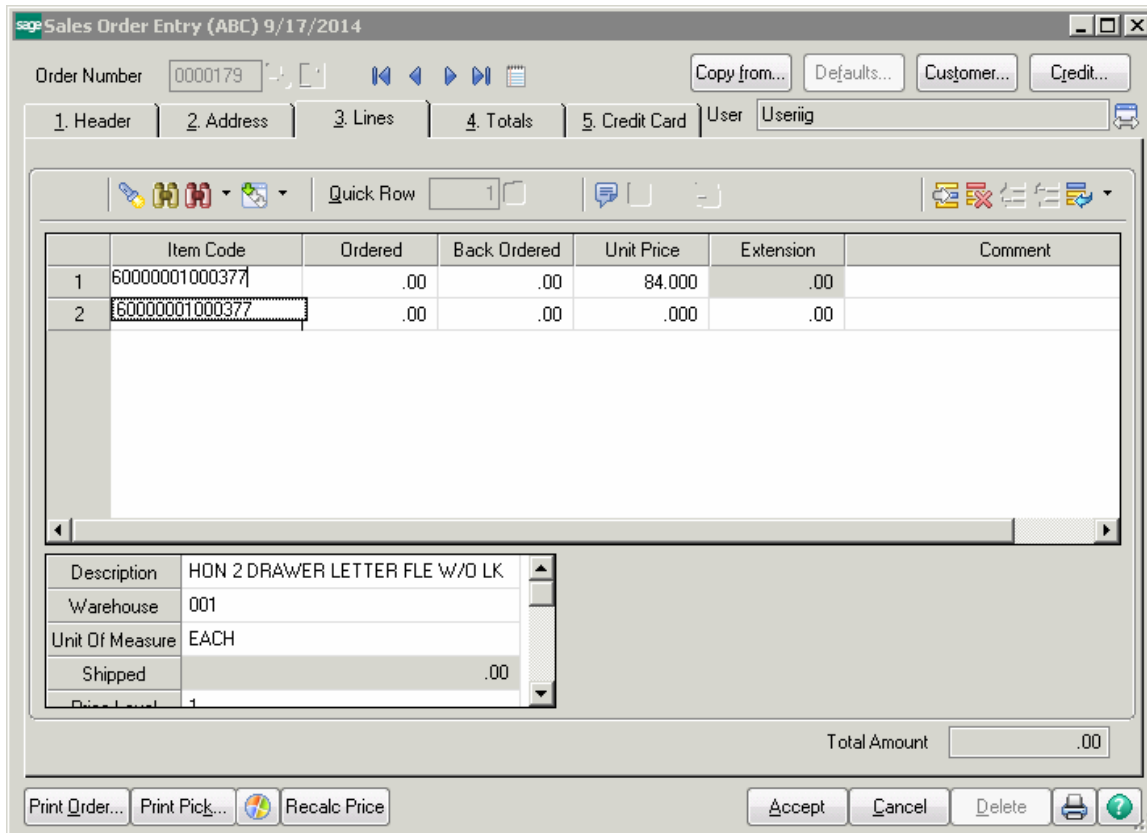
OK [Print] [Help]

UPC Code Processing

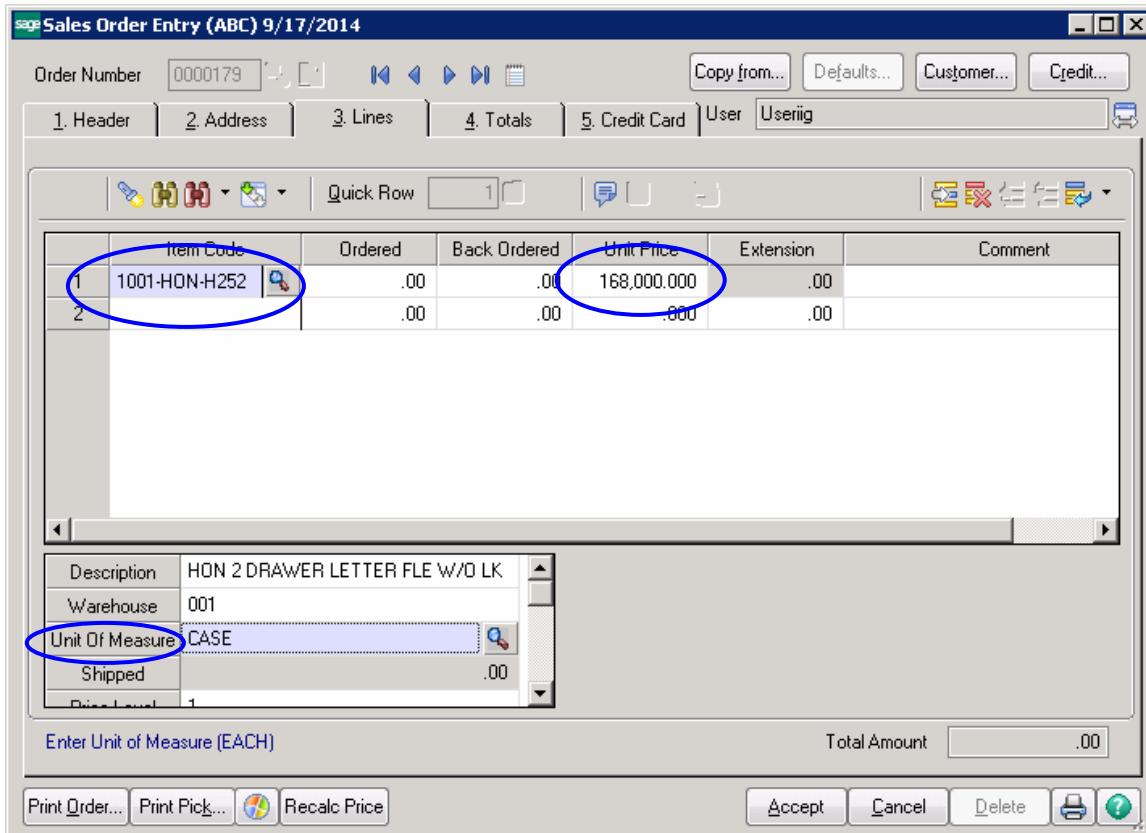
Sales Order Entry

The **Sales Order Entry** program displays the **Item Code**, **U/M**, and **Unit Price** when entering a **UPC Code** of an item in the **Item Code** field on the **Lines** tab.

Enter/scan the **UPC Code** for an item.

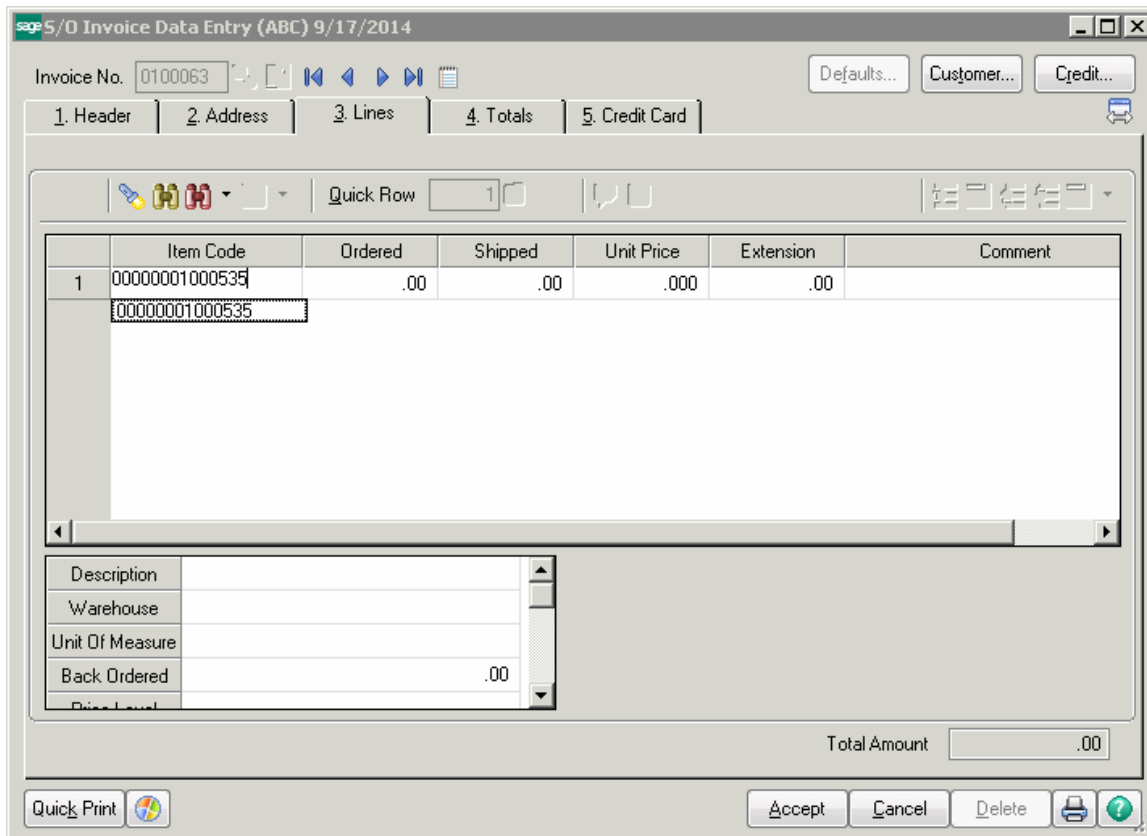


The corresponding Item Code, Description, U/M (associated with that UPC Code) and Unit Price will be displayed.



Invoice Data Entry

The **Invoice Data Entry** program displays the **Item Code**, **U/M**, and **Unit Price** when entering a **UPC Code** of an item in the **Item Code** field on the **Lines** tab. Enter the **UPC Code** for an item.



The corresponding Item Code, Description, U/M (associated with that UPC Code) and Unit Price are displayed.

sage 5/0 Invoice Data Entry (ABC) 9/17/2014

Invoice No. 0100063

1. Header | 2. Address | 3. Lines | 4. Totals | 5. Credit Card

Item Code	Ordered	Shipped	Unit Price	Extension	Comment
1 1001-HON-H252	.00	.00	84.000	.00	
2	.00	.00	.000	.00	

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

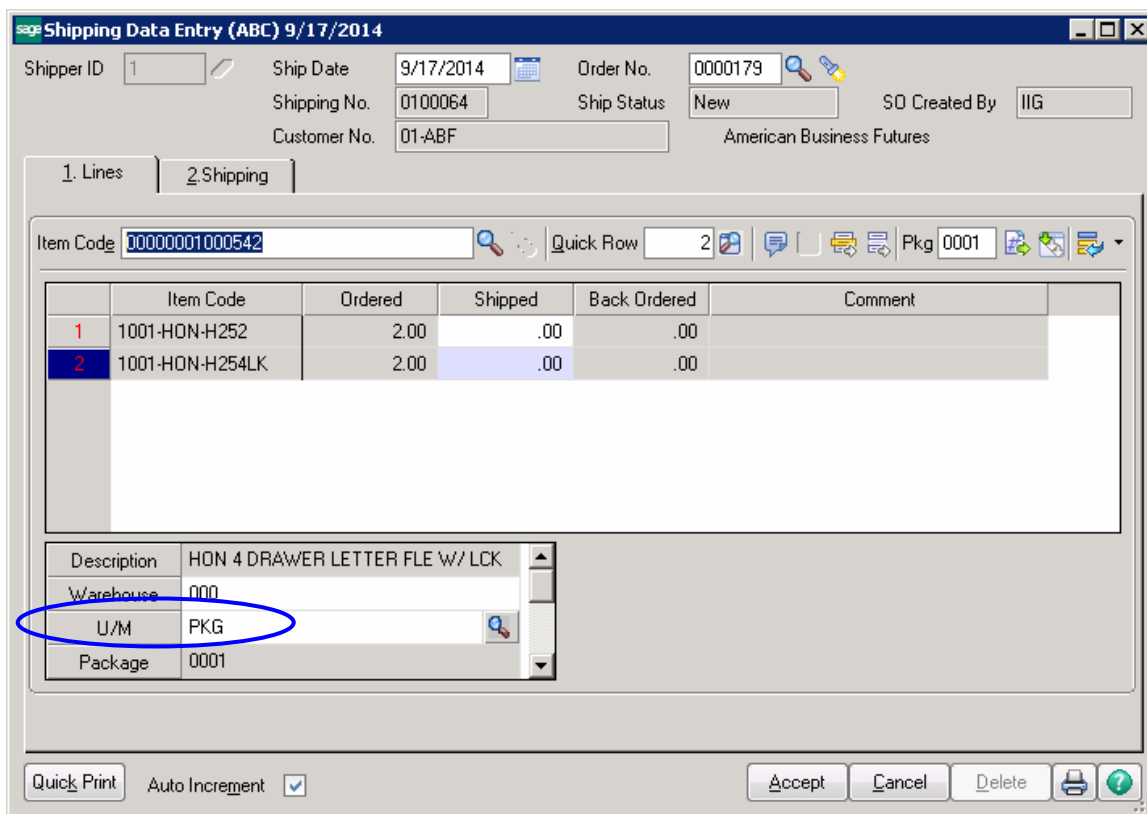
Enter Unit of Measure (EACH) Total Amount .00

Quick Print | Accept | Cancel | Delete

Shipping Data Entry

The **Shipping Data Entry** program has been modified to allow automatically selecting the line with an item coupled with a **UPC Code by U/M**, when entering that **UPC Code** in the **Item Code** field on the **Lines** tab.

Select **Order No.** containing the Line Item that has UPC Code assigned. When entering that UPC Code in the **Item Code** field, the line item, for which that UPC Code is set, will be automatically selected.



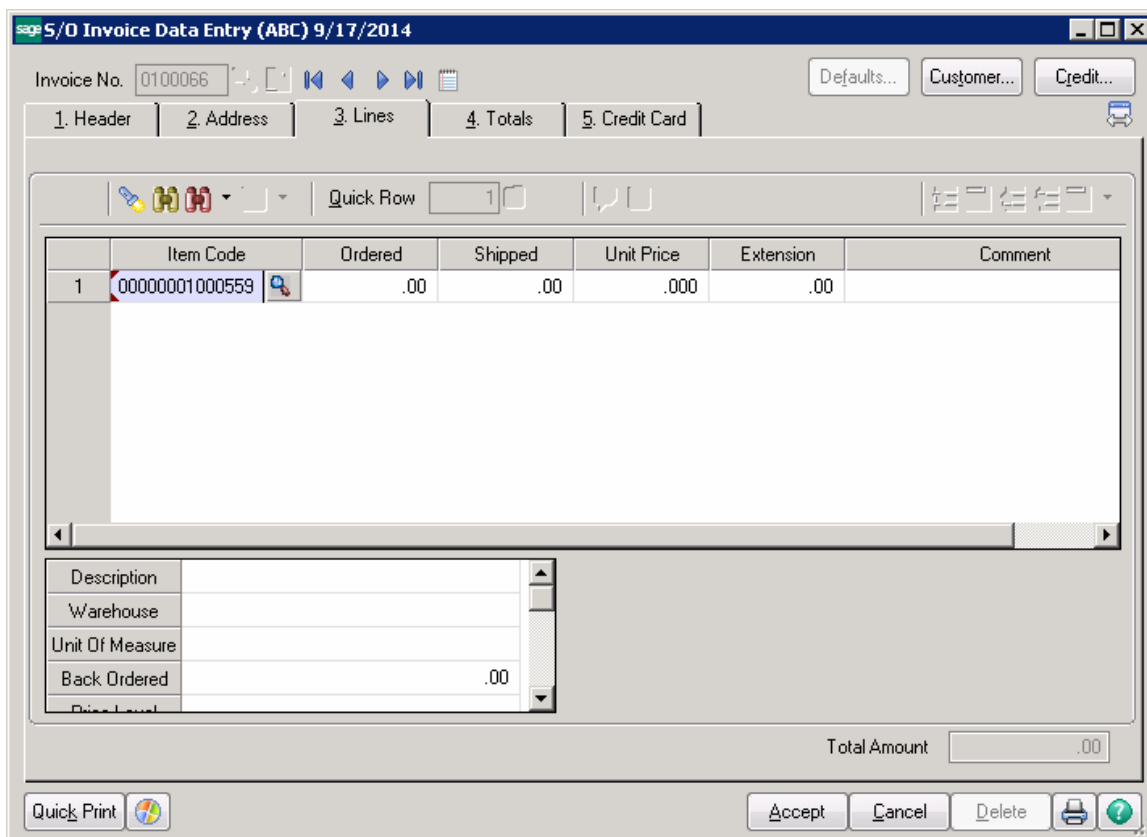
Selecting the **Auto Increment** check box will automatically increment the shipped quantity by 1 if the U/M of scanned/entered UPC code is matching with the U/M of the line. Otherwise the Auto Increment check box will not automatically increment the shipped quantity by 1 and the Quantity will be increased taking into consideration the U/M of the line and the conversion factor.

Note: If there is no U/M specified for the scanned UPC Code the Sales Unit of Measure from the Inventory Master file will be taken into account when increasing the quantity of the line.

For example, if the item is sold on the sales order as EACH, and the UPC code scanned for this item is for a 6PK (six pack), then the quantity incremented will be 6, which is the unit of measure conversion factor. This allows you to have a different UPC code for each item, the inner pack, the master pack, the pallet, and even a shipping container, yet be specific to the item. This way, the operator does not have to open the box to scan the items when they are sold in a case or master pack when there will be case or multiple cases shipped. An example would be an order for 240 widgets, sold as EACH, which are packaged as CS24 (24 per case) with a UPC code for this unit of measure. In this example, the operator would only have to scan 10 cases, not 240 items.

UPC Code Processing for Lot Items in Invoice/ Shipping Data Entry

If Lot Serial Number has been specified for a UPC Code in the **UPC Code Maintenance** program, when entering/scanning that UPC Code in the Item Code field of the Invoice Date Entry and Shipping Data Entry lines, Shipped quantity will be incremented by one and auto distribution will be done by the scanned Lot number. If in current warehouse there is not a lot number matching the scanned one, auto distribution will not be done and the Lot/Serial Number Distribution screen will popup.



Sage S/O Invoice Data Entry (ABC) 9/17/2014

Invoice No. 0100066

1. Header | 2. Address | 3. Lines | 4. Totals | 5. Credit Card

	Item Code	Ordered	Shipped	Unit Price	Extension	Comment
1	2480-8-50	1.00	1.00	3,145.500	3,145.50	
2		.00	.00	.000	.00	

Lot/Serial Number Distribution

Item Code: 2480-8-50 DESK FILE 8" CAP 50
 Unit of Measure: CASE

	Lot Number	Available	Distribute
1	JAN10	2.25	1.00
2		.00	.00

Distribution Balance: .00

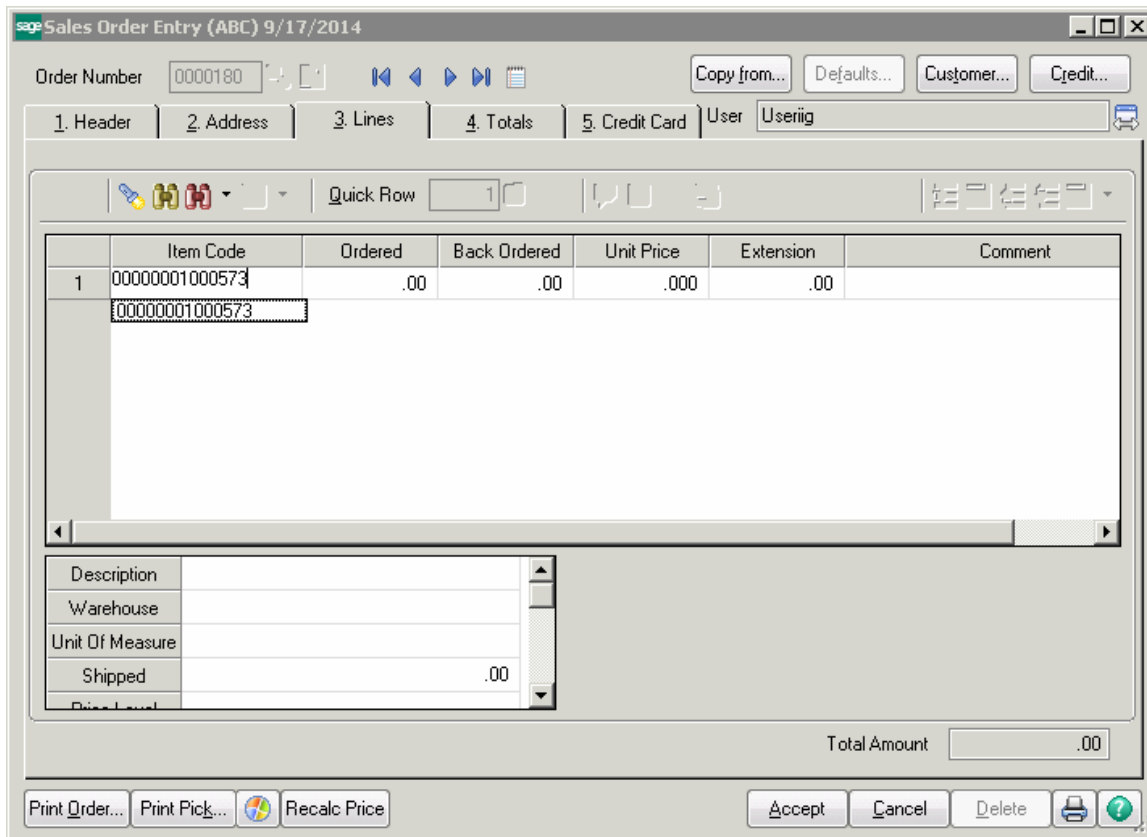
OK Cancel

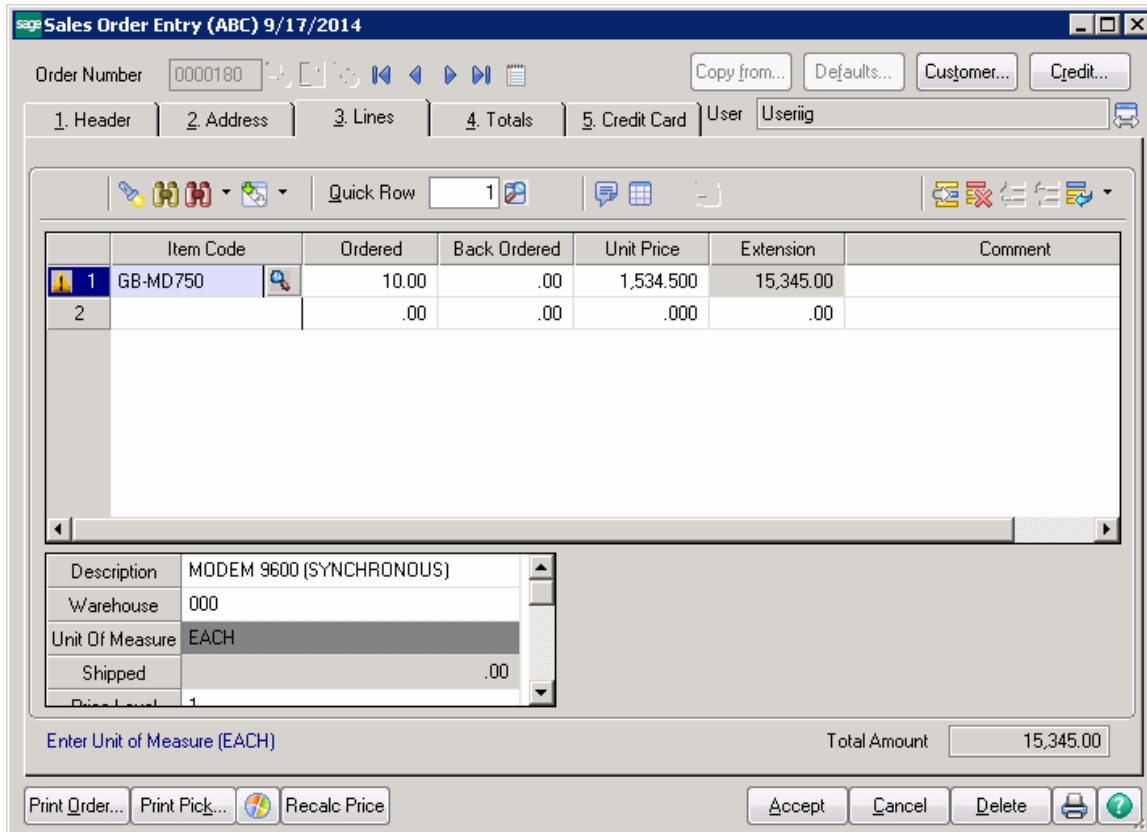
UPC Code Processing for Serial Items

The **Sales Order, Invoice, Purchase Order, Receipt of Goods, Return of Goods, Material Requisition Issue, I/M Sales, Receipts, Issues and Transfers Transaction Entries** have been modified to enable UPC by U/M code scanning for Serial Items.

When a UPC Code by U/M is scanned for a Serial Item in the above stated entries the Quantity is automatically calculated based on the Item's Standard U/M and the U/M conversion factor.

For example in the Sales Order Entry when scanning the UPC Code by U/M (Box) for a Serial Item the Ordered quantity of 10 EACH (the Item's Standard U/M) is loaded.





Purchase Order Entry

The **Purchase Order Entry** program has been modified to display the **Item Number**, **U/M**, and **Unit Price** when entering a **UPC Code** of an item in the **Item Number** field on the **Lines** tab.

Enter the **UPC Code**. The corresponding Item Number, Description, U/M (associated with that UPC Code) and Unit Cost are displayed.

sage Purchase Order Entry (ABC) 9/17/2014

Order Number 0010020 Defaults... Vendor...

1. Header 2. Address 3. Lines 4. Totals User Useriig

Quick Row 1

	Item Code	Ordered	Back Ordered	Unit Cost	Extension	Cor
1	00000001000542	.00	.00	.000	.00	
	00000001000542					

Description
Warehouse
Unit of Measure
Qty Received .00

Total Amount .00

Quick Print... Accept Cancel Delete

sage Purchase Order Entry (ABC) 9/17/2014

Order Number 0010020

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

User Useriig

	Item Code	Ordered	Back Ordered	Unit Cost	Extension	Cor
1	1001-HON-H254LK	.00	.00	523.500	.00	
2		.00	.00	.000	.00	

Quick Row 1

Description: HON 4 DRAWER LETTER FLE W/ LCK
Warehouse: 000
Unit of Measure: PKG
Qty Received: .00

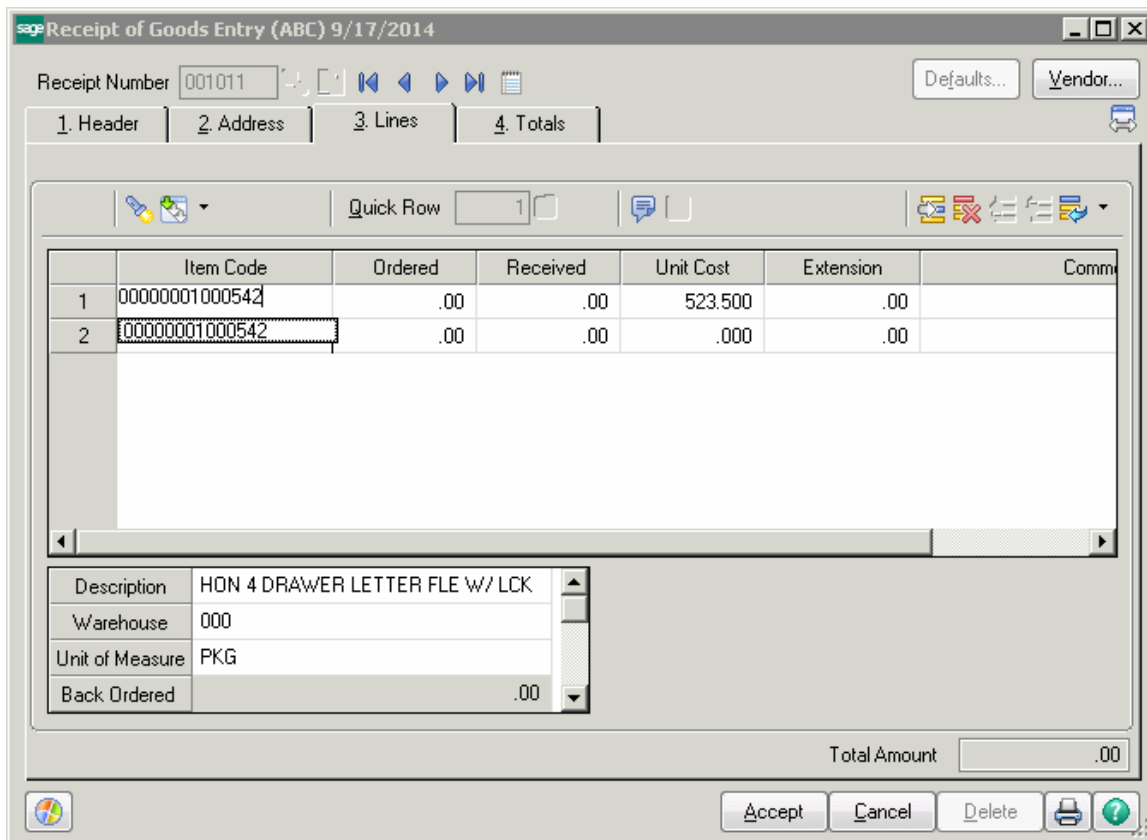
Enter Unit of Measure (EACH) Total Amount .00

Quick Print... Accept Cancel Delete

Receipt of Goods Entry

The **Receipt of Good Entry** program has been modified to display the **Item Number**, **U/M**, and **Unit Price** when entering a **UPC Code** of an item in the **Item Number** field on the **Lines** tab.

Enter the **UPC Code**. The corresponding Item Number, Description, U/M (associated with that UPC Code) and Unit Cost are displayed.



SAP Receipt of Goods Entry (ABC) 9/17/2014

Receipt Number: 001011

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

	Item Code	Ordered	Received	Unit Cost	Extension	Comm
1	1001-HON-H254LK	.00	.00	523.500	.00	
2		.00	.00	.000	.00	

Quick Row: 1

Description	HON 4 DRAWER LETTER FLE W/ LCK
Warehouse	000
Unit of Measure	PKG
Back Ordered	.00

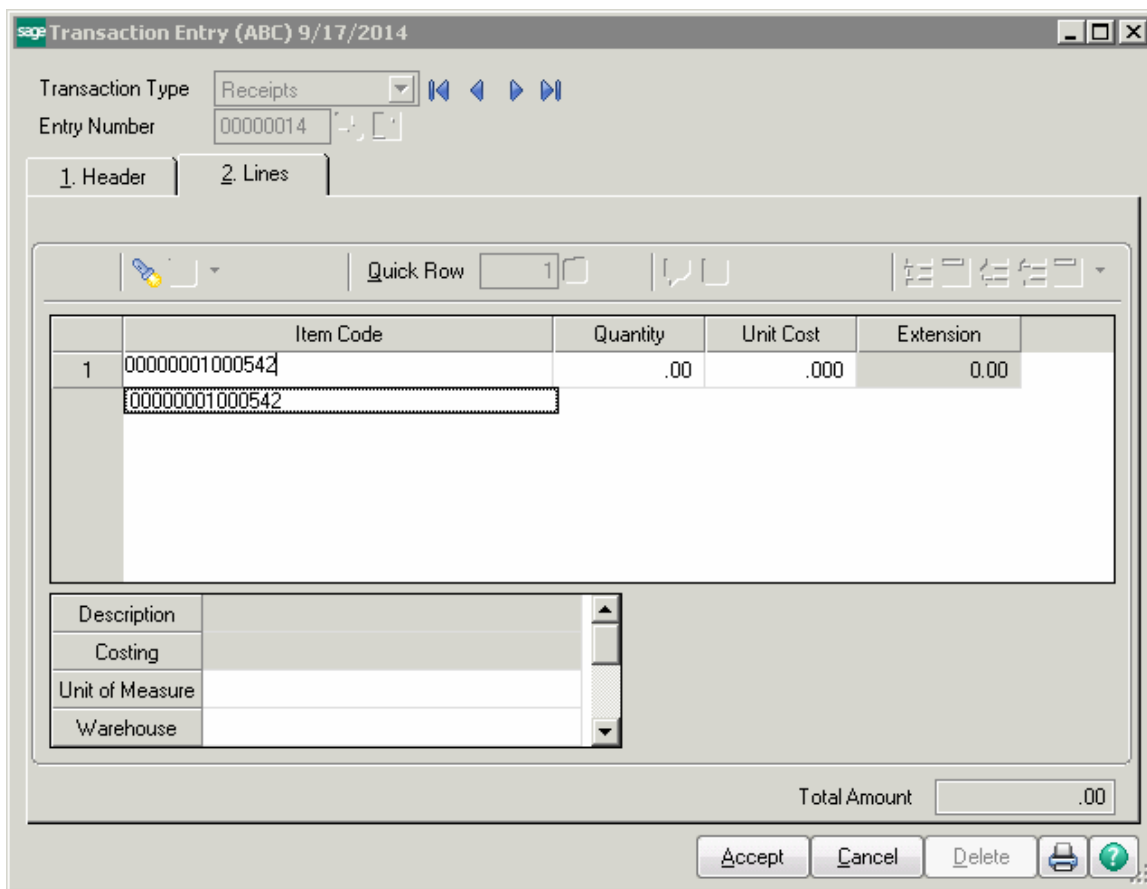
Enter Unit of Measure (EACH) Total Amount: .00

Accept Cancel Delete

Transaction Entry

The **Transaction Entry** program under the **Main** menu of **I/M** module has been modified to allow automatically loading the **Item Number** when entering a **UPC Code** of that item in the **Item Number** field on the **Lines** tab. If a **U/M** is associated with a **UPC Code** in the **UPC Code Maintenance** that **U/M** will be loaded automatically.

Enter the **UPC** code. The corresponding Item Number, U/M (associated with that UPC Code) and other related information will be displayed.



sage Transaction Entry (ABC) 9/17/2014

Transaction Type: Receipts

Entry Number: 00000014

1. Header | 2. Lines

Quick Row: 1

	Item Code	Quantity	Unit Cost	Extension
1	1001-HON-H254LK	.00	523.500	0.00
2		.00	.000	0.00

Description	HON 4 DRAWER LETTER FLE W/ LCK
Costing	FIFO
Unit of Measure	PKG
Warehouse	000

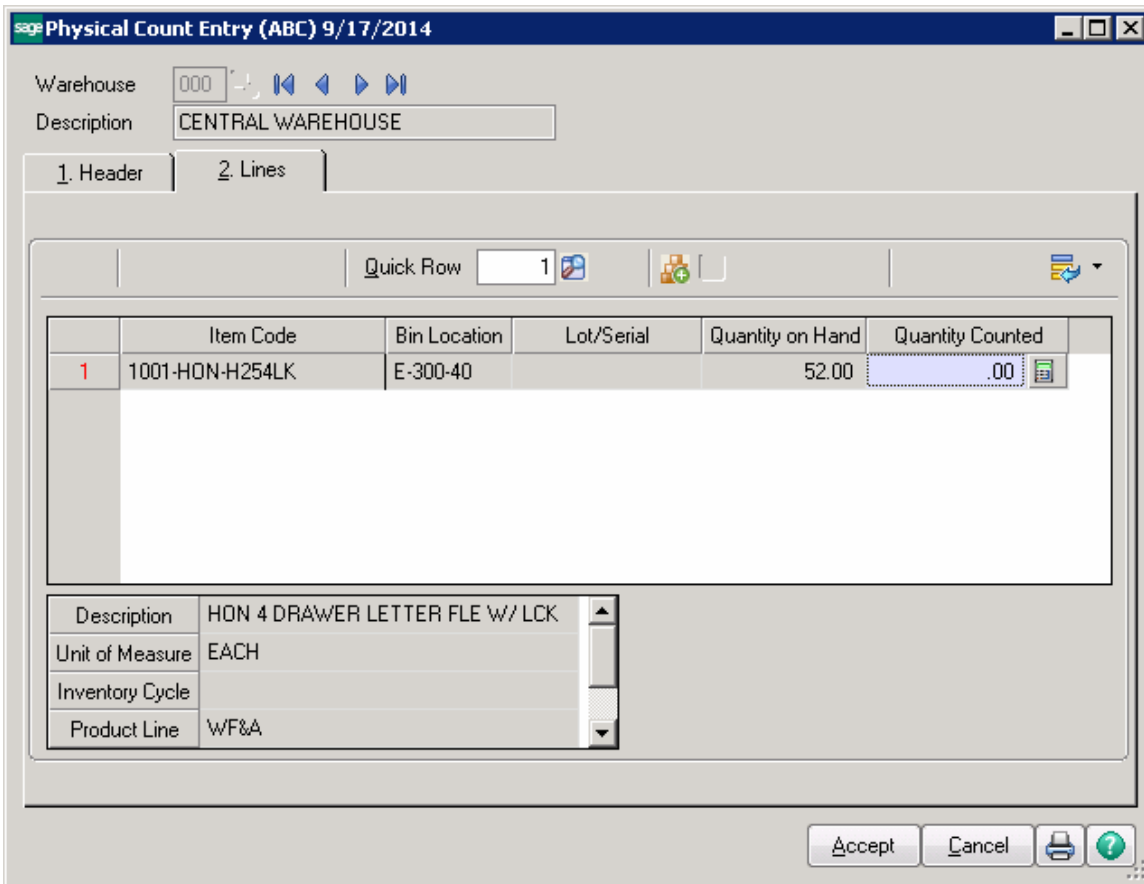
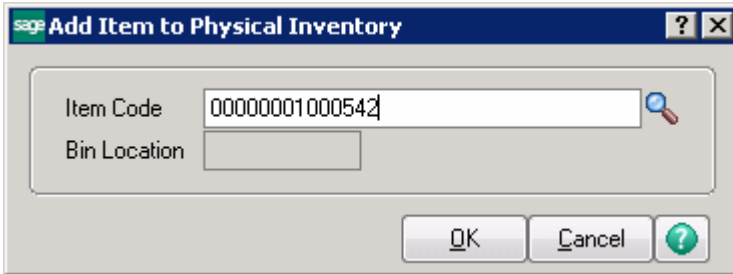
Enter Unit of Measure (EACH) Total Amount: .00

Accept Cancel Delete

Note: UPC processing works for all transaction types.

Physical Count Entry

The **Physical Count Entry** program under the **Physical** menu of the **I/M** module has been modified to allow automatically loading the **Item Code** when entering the **UPC Code** of that item in the **Item Code** field.



The Alias Numbers are also supported in the **Physical Count Entry** and **Transaction Entry**. When the Alias Number is entered in the **Item Number** field the corresponding item is loaded in the grid.

Note. If the UPC Code and the Alias Number of an Item matches, the preference is given to the Alias Number.

B/M Production Entry

The **B/M Production Entry** program has been modified to support **UPC Code** scanning on the Header tab. When the UPC code is scanned on the Header of the Production Entry the program translates it to the Item Code and automatically loads the lines of the items for the item you are building the kit for.

The screenshot shows the 'Production Entry (ABX) 9/17/2014' window. At the top, the 'Production Number' is 0000002 and the 'Batch' is 00002. Below this, there are tabs for '1. Header' and '2. Lines'. The 'Production Date' is 9/17/2014. The 'Bill Number' is D1400 and the 'Bill Type' is Kit. The 'Revision' is 000, 'Option Code' is empty, 'Quantity' is .0000, and 'Unit of Measure' is EACH. The 'Effective Date' is 9/17/2014. At the bottom, 'Parent Warehouse' and 'Component Warehouse' are both 000, with a note 'Main Irvine Warehouse'. The 'Explode Sub-Assemblies' checkbox is checked. The window has 'Accept', 'Cancel', and 'Delete' buttons at the bottom right.

The UPC codes are supported also for Component Items.

sage Production Entry (ABX) 9/17/2014

Production Number 0000002 Batch 00002 Defaults...

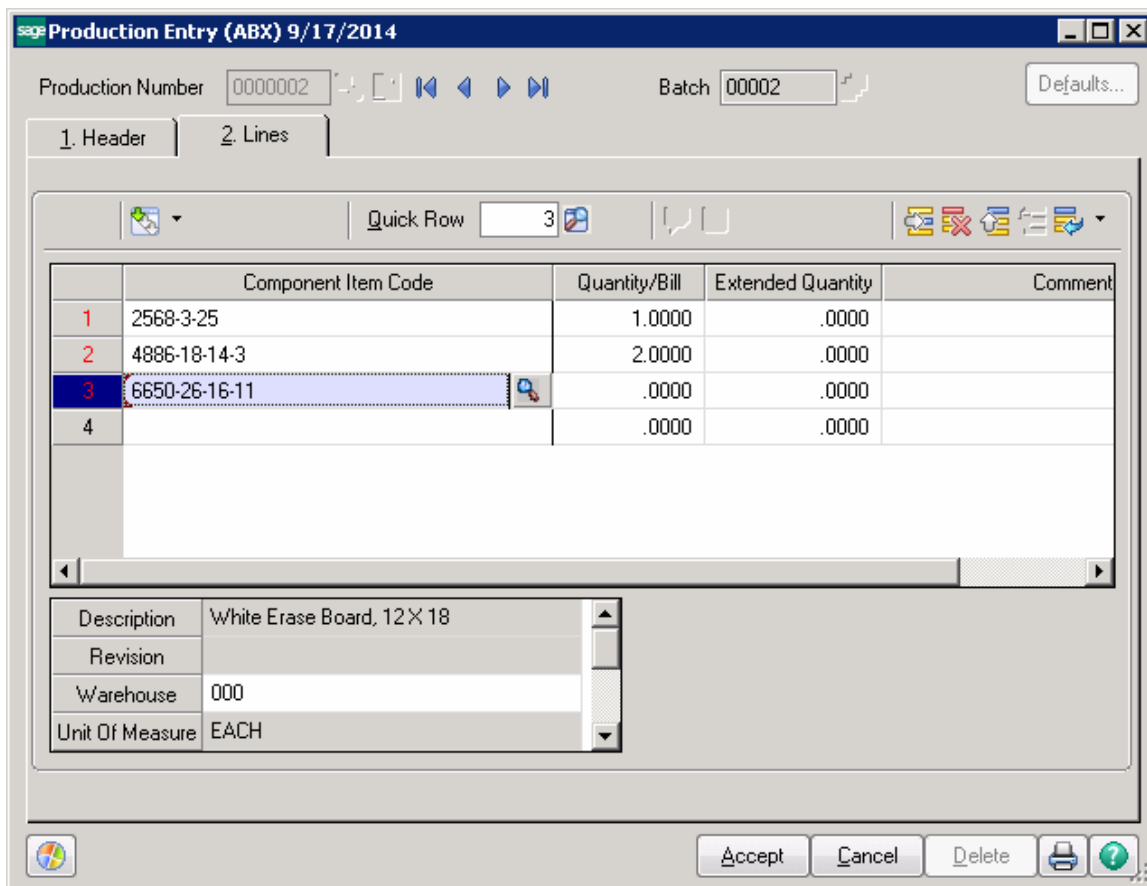
1. Header 2. Lines

Quick Row 3

	Component Item Code	Quantity/Bill	Extended Quantity	Comment
1	2568-3-25	1.0000	.0000	
2	4886-18-14-3	2.0000	.0000	
3	00000001000047	.0000	.0000	
4	00000001000047	.0000	.0000	

Description	White Erase Board, 12 X 18
Revision	
Warehouse	000
Unit Of Measure	EACH

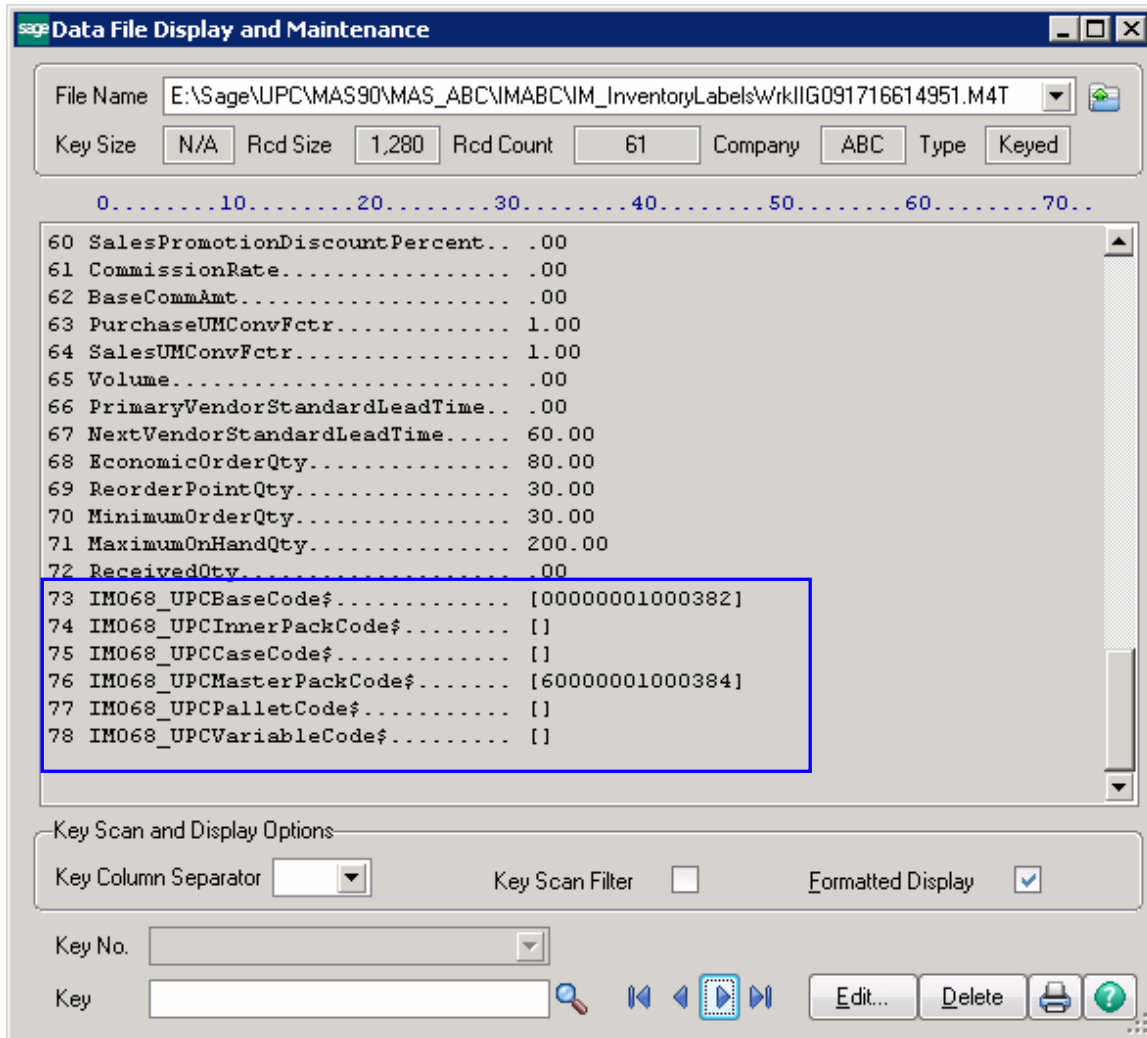
Accept Cancel Delete



The UPC functionality is provided also in the **B/M Disassembly Entry**.

Inventory Label Printing

The UPC ITF-14 codes have been added to the inventory labels work file to enable generation of respective labels.

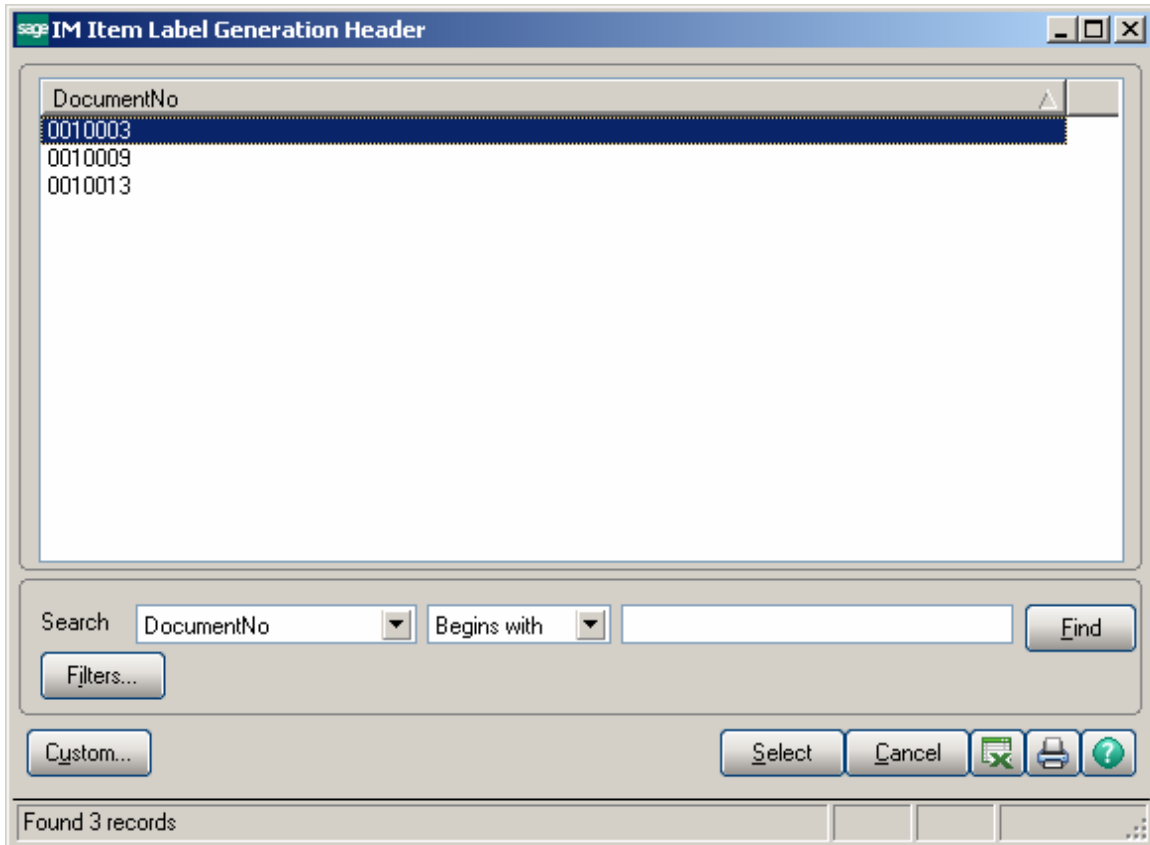


IIG Item Label Generation

The **IIG Item Label Generation** program has been added under the **Inventory Management ->Reports** menu to allow generating Label files for the inventory label printings.

The screenshot shows a software window titled "IIG Item Label Generation (ABC) 2/25/2015". The interface includes a "Document No." field with a search icon and navigation buttons. Below this are two tabs: "1. Header" and "2. Lines", with "2. Lines" selected. A form area contains two input fields: "Lot Expiration Date" and "Vendor No.", each with a small square icon to its right. At the bottom right, there are four buttons: "Accept", "Cancel", "Delete", and a refresh icon.

The lookup button lists the label records already generated:



The Flashlight button opens the list of Purchase Orders allowing the user to select a Purchase Order to generate labels for its lines.

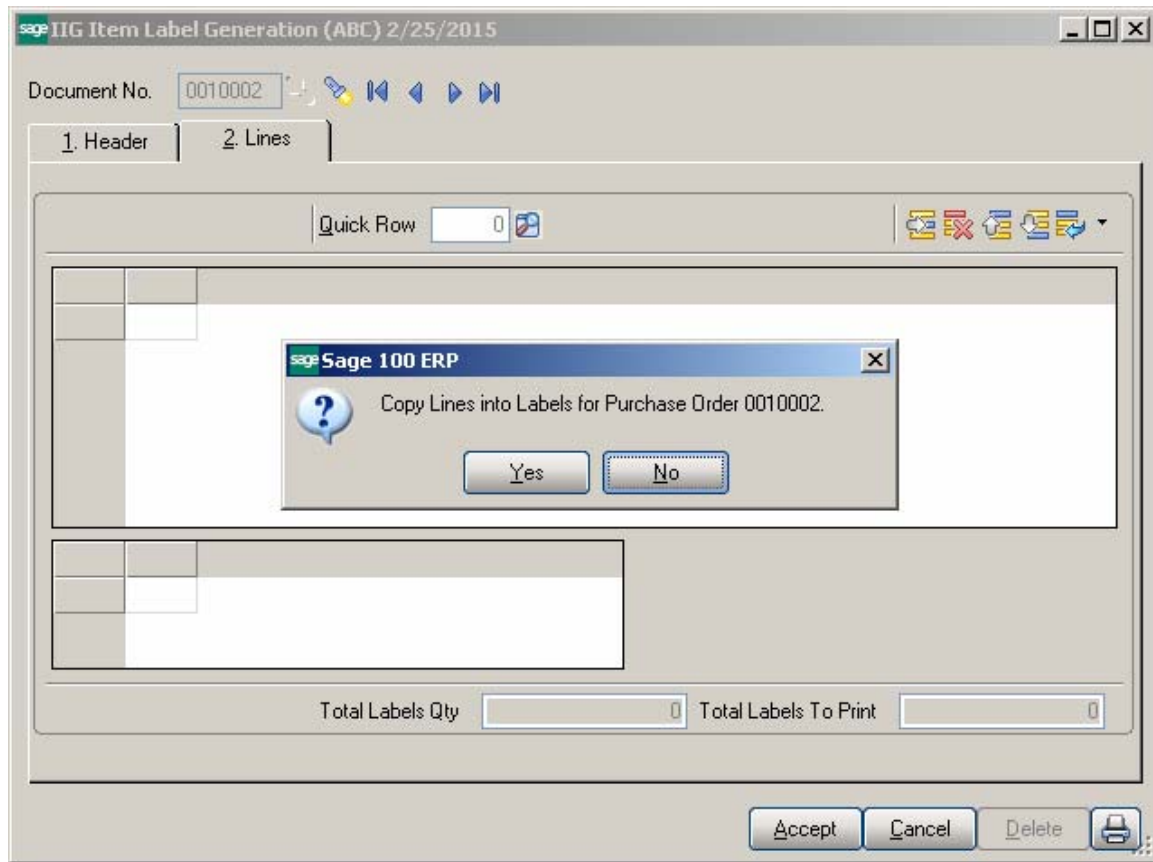
P.O. Number	P.O. Date	Order Type	Vendor No	Purchase Name
0010000	4/1/2010	M	01-UNITED	UNITED COMPUTERS
0010001	5/2/2010	R	01-STEVE	STEVENS SUPPLY
0010002	5/15/2010	S	01-UPS	UNITED POST OFFICE SERVICE
0010003	5/15/2010	S	01-CONT	CONTAINER CORPORATION OF USA
0010005	5/20/2010	X	-	
0010006	5/22/2010	X	-	
0010007	5/25/2010	D	01-UNITED	UNITED COMPUTERS
0010008	5/28/2010	M	01-CONT	CONTAINER CORPORATION OF USA
0010009	5/30/2010	S	02-TELCOMM	TEL-COMM COMMUNICATIONS
0010010	5/30/2010	S	01-UNITED	UNITED COMPUTERS
0010011	5/30/2010	X	-	
0010012	5/31/2010	S	01-STEVE	STEVENS SUPPLY
0010013	5/31/2010	S	01-IBM	IBM CORPORATION
0010014	5/31/2010	S	01-STEVE	STEVENS SUPPLY
0010017	5/10/2010	S	01-CONT	Container Corporation Of Usa

Search: P.O. Number Begins with Find

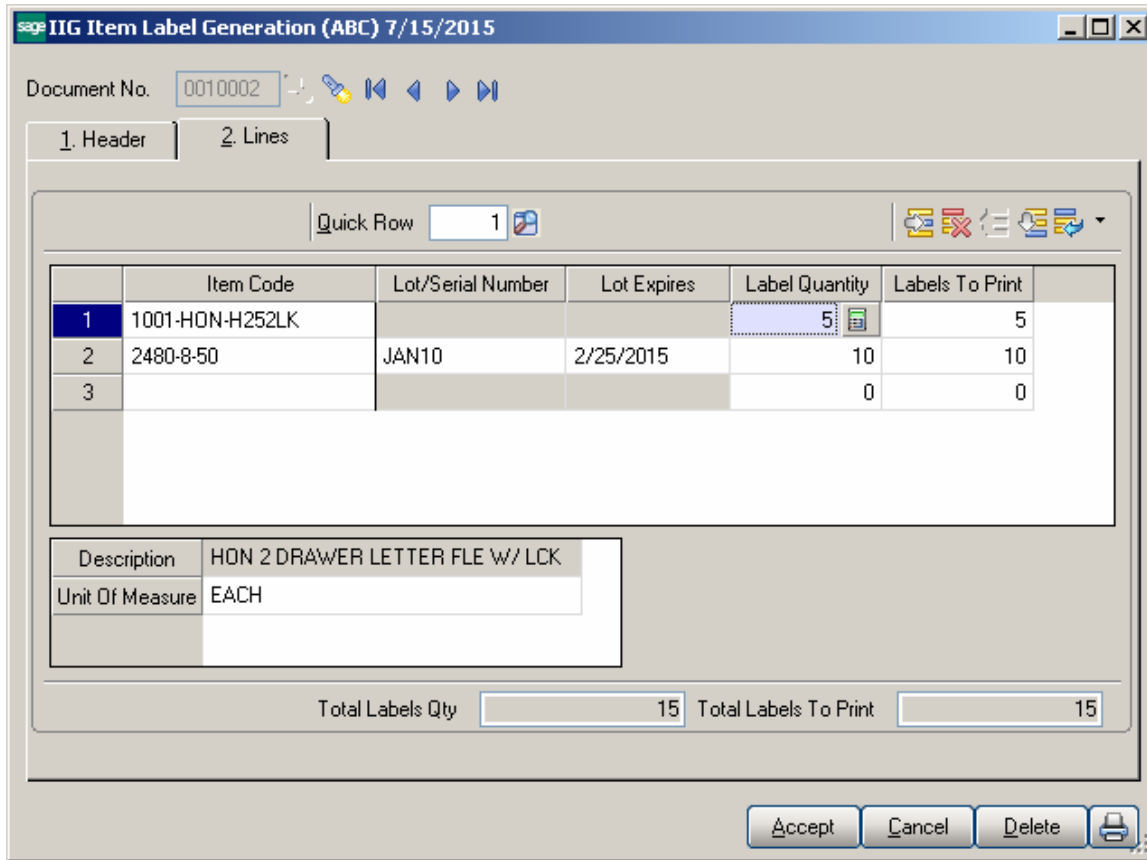
Filters... Custom... Select Cancel

Found 15 records

If an existing PO number is entered/selected in the Document No field the Vendor No field is populated with respective Vendor from the selected Purchase Order. The user may specify also the Lot Expiration Date to be applied to the lines with Lot numbers specified. If an existing PO number is selected a prompt appears about copying the PO lines:



Upon selecting Yes the lines of PO are loaded into the grid.
The Label **Quantity** and **Labels to Print** fields are populated with Ordered quantity of PO line and may be changed here.



The user is allowed adding lines if needed. For newly added lines the Label Quantity is populated with the **Qty On Hand** of the Item for the Default Warehouse set in the **Inventory Management Options**.

The **Item Label Generation** program allows also generating labels for Items without selecting an existing PO. In this case the user may enter any document number and add the desired Items in the lines. If no Vendor is specified on the Header the Item's Primary Vendor is taken.

The Item can be added also by scanning the UPC code.

The Print button allows for printing Inventory Receipt Labels:

sage Inventory Receipt Labels (ABC) 2/25/2015 [?] [X]

Form Code: STANDARD [magnifying glass icon] [Designer...]

Description: 1 Across Plain

Number of Labels Per Item: 1 [up/down arrows]

Adobe PDF [dropdown arrow] [Alignment] [Print] [Preview] [Setup] [help icon]

sage Receipt Label Printing [minimize] [maximize] [close]

1 /1+ [print icon] [help icon] [magnifying glass icon]

Main Report

Item: 1001-HON-H252LK
HON 2 DRAWER LETTER FLE W/ LCK

Cost: 35.750 **Price:** 87.000

Vendor: 01-CONT **U/M:** EACH
Container Corporation Of Usa

Item: 1001-HON-H252LK
Warehouse: 000 **Bin:** E-300-20

Item: 1001-HON-H252LK
HON 2 DRAWER LETTER FLE W/ LCK

Cost: 35.750 **Price:** 87.000

Vendor: 01-CONT **U/M:** EACH
Container Corporation Of Usa

Item: 1001-HON-H252LK
Warehouse: 000 **Bin:** E-300-20

Item: 1001-HON-H252LK
HON 2 DRAWER LETTER FLE W/ LCK

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