



Matrix Processing For Sage 100 ERP 2013

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Pre-Installation Checklist

Before beginning the installation of this enhancement:

1. Verify you have the following standard modules activated in your MAS system:
 - CI
 - IM
 - AR
 - SO
 - PO
2. Necessarily follow the steps described in the “**MXP500_CD\Doc\Installation Instructions for MXP.txt**” file

Installation Instructions and Cautions

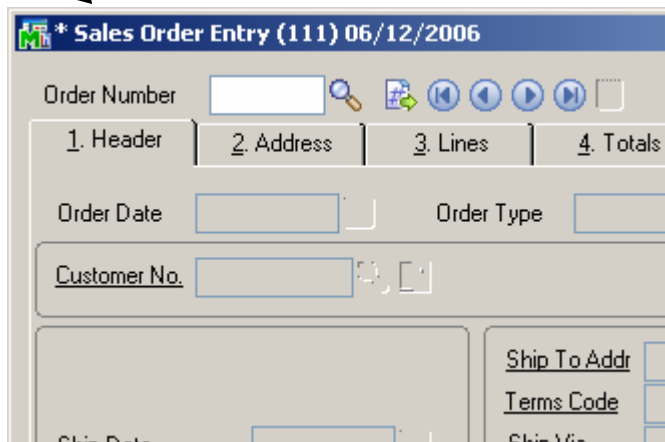
PLEASE NOTE: SAGE 100 ERP must already be installed on your system before installing any IIG enhancement. If not already done, perform your SAGE 100 ERP installation and setup now; then allow any updating to be accomplished automatically.

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	5.00		AAAAAAAAAAAAAAAAAA	BBBBBB	OK Undo

Enhancement	Level	Release Date	Serial Number	Unlocking Key	Status
IIG Enhancement	5.00		AAAAAAAAAAAAAAAAAA	BBBBBB	Invalid

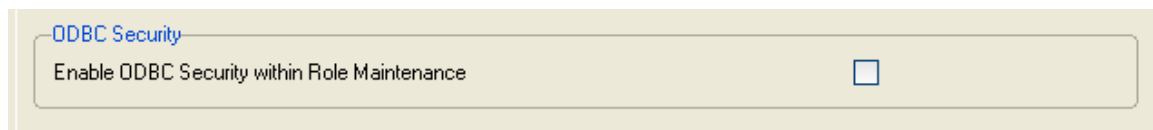
Enter **Serial Number** and **Unlocking Key** provided by IIG, and click **OK**.

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.

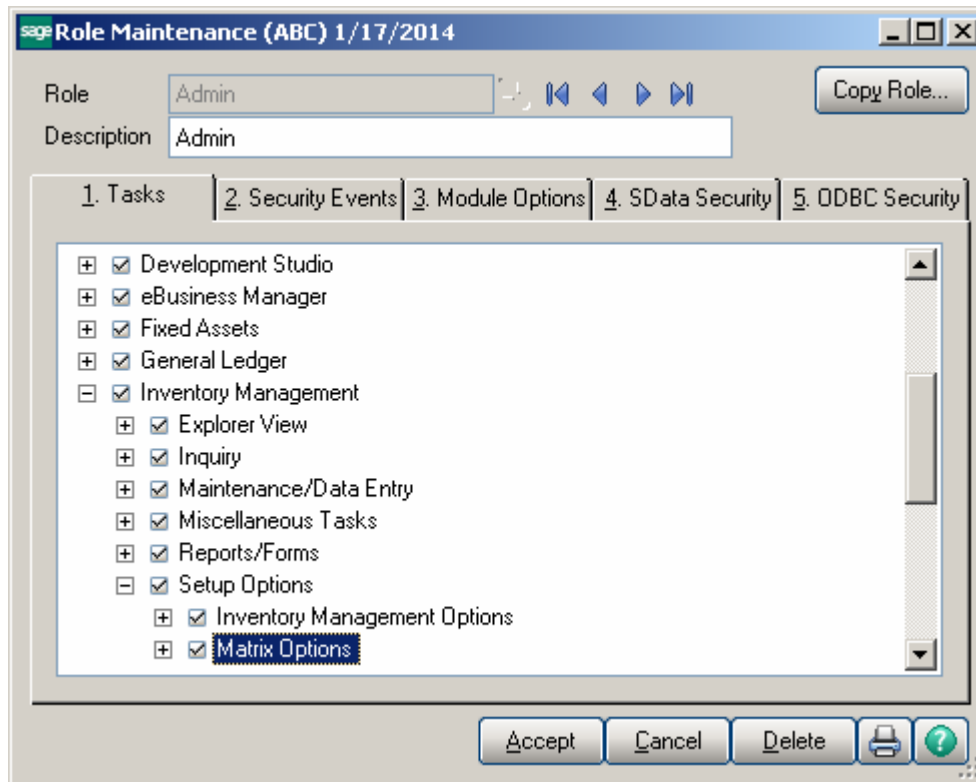
ODBC Security

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 **Matrix Processing (MXP)** enhancement provides the key functionality needed to fulfill the size and color requirements of the Apparel Industry.

A completely integrated solution, the MXP for Sage MAS 90 and 200 has an e-Apparel component which makes your web presence easy to manage and deploy.

This enhancement enables Size and Color Matrix Processing that makes it possible to handle Lot Number Names as pairs of two separate Category Codes (usually Size and Color), which allows presenting set of the Lot Numbers of the same item in Matrix form. Items flagged as Matrix will use Matrix Distribution Grid instead of standard Lot/Serial Distribution screen.

Matrix Distribution Grid is available in:

Purchase Order Entry

Receipt Of Goods Entry

Sales Order Entry

Invoice Data Entry

Shipping Data Entry

Inventory Transaction Entry

B/M Production Entry

B/M Disassembly Entry

RMA Data Entry

RMA Receipts Entry

Matrix Items can use System Matrix Codes or have their own, item-specific Matrix Codes, to be used to construct Lot Numbers.

Prepacks by Matrix Codes can be defined for each Item to be used in sales orders.

Several reports such as: **Matrix Sales History Report, Matrix Stock Status Report, Matrix Committed Report**, etc. have been provided for Matrix items.

The **Matrix Grid** printing form has been added to the graphical printing Form Templates to allow printing the **Matrix Distribution** grid information on the **Sales Order, S/O Invoice, Picking Sheet, and Packing List** and **Purchase Order** printings.

Setup

Matrix Options

Select the **Matrix Options** program under the **Inventory Management Setup** menu.

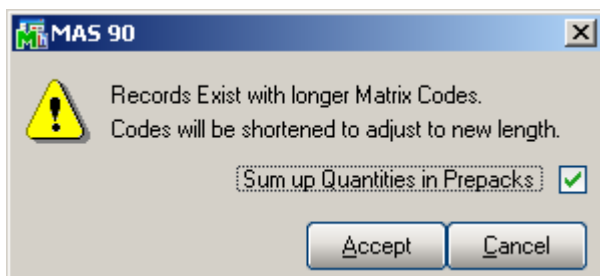
On the **Main** tab, select options for Matrix Code Categories and grid colors.

Enter **Descriptions** for **Categories 1** and **2**.

Enter Starting **Position**, **Length** and **Type** of the Matrix Codes for Categories 1 and 2. The program will interpret the part of the Lot Number from the Starting Position with the number of symbols equal to Length as Matrix Code of the corresponding Category. Type can be Numeric or String. Code parts of the Lot Numbers will be checked against the Type. The Code of a Category with Numeric Type can contain only digits. The Category 2 Code cannot be positioned before the Category 1 Code.

The **Lot Number preview** displays the format of the Lot Number with the selected settings. The symbols written in **blue** represent a **Category 1** Code; symbols in **red** represent a **Category 2** Code. Code symbols are: “**S**” for String Type Code, “**N**” for Numeric Type Code.

If the **Length** of a Category is reduced, and longer Matrix Codes exist, the following message box is displayed:



On clicking **Accept**, all existing Codes will be shortened. If there are Matrix Codes, beginning with the same symbols, only one of them will be retained when shortening. For example, when reducing the Length from 3 to 2, of the two following Codes: GRE and GRY, only the first – GRE, will be retained under the new name GR (along with all of its options). If such two Codes are used in the same Prepack, there are two ways to treat the quantities in the Prepack. Check the **Sum up Quantities in Prepacks** box to add up the quantities of all the initial Codes to be shortened to the new Code. If the **Sum up Quantities in Prepacks** box is cleared, only the quantities of the first one will be retained.

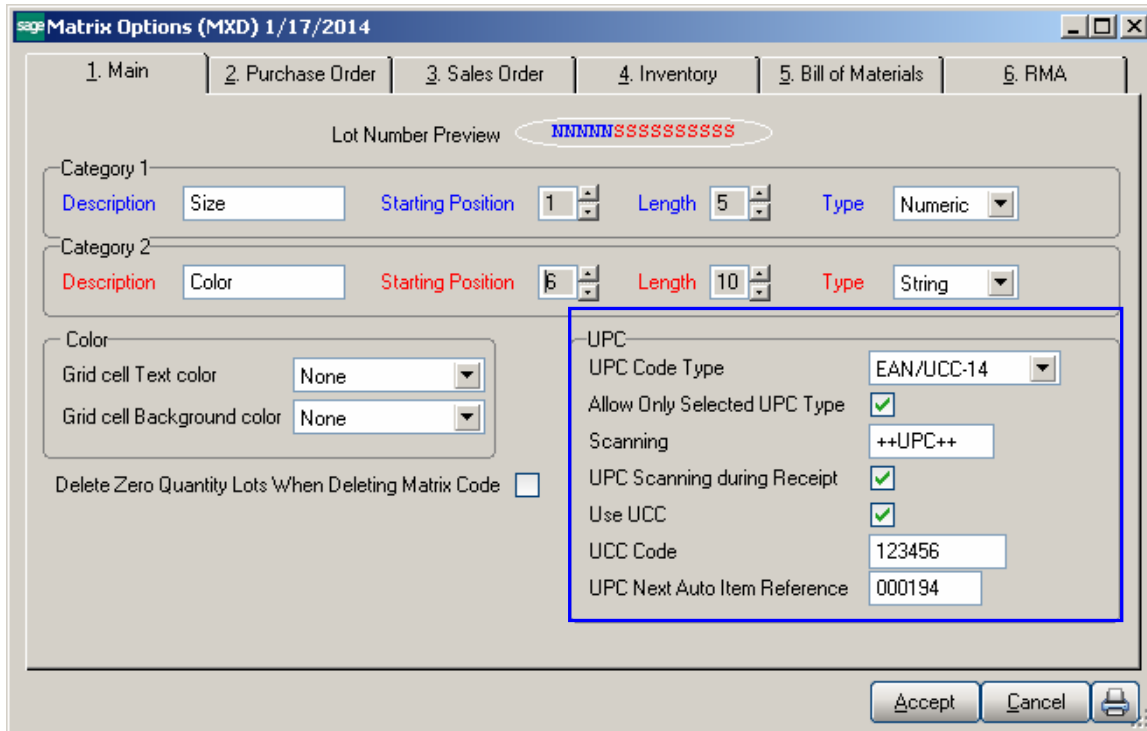
If the **Type** of a Category is changed from **String** to **Numeric**, the Matrix Codes, containing other symbols beside digits, will be displayed in red on the **Matrix Codes Maintenance** screen.

Select a Category in the **Grid cell Text color** field. The text in the cells of the matrix distribution grid will be displayed in the colors assigned to the Codes of the selected Category. Colors are assigned in the **Matrix Code Maintenance** program.

Select a Category in the **Grid cell Background color** field. The cells of the matrix distribution grid will have the background of the colors assigned to the Codes of the selected Category. Colors are assigned in the **Matrix Code Maintenance** program.

Check the **Delete Zero Quantity Lots When Deleting Matrix Code** box to have deleted the Lot Numbers, which do not have Quantity, corresponding to the Matrix Code being deleted for the item from the **Matrix Code Maintenance**. This option does not affect deletion of the System Matrix Codes.

The **UPC** options are set up for using **Universal Product Codes** for Lot Numbers of Matrix items.

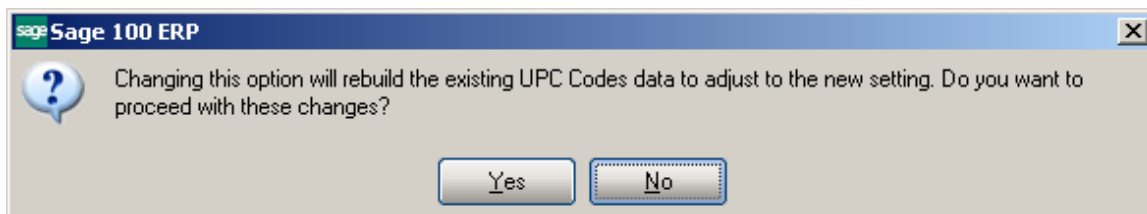


The **UPC Code Type** determines the default length to be used for the code – 12, 13 or 14 digits. The available options are UCC-12, EAN/UCC-13, EAN/UCC-14.

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.



In the **Scanning** field, enter the code, which will denote the start of scanning UPC codes, when scanned once.

Check the **UPC Scanning during Receipt** box to enable display of the UPC field for scanning UPC codes of the lots not having one, in the Receipt of Goods Matrix Grid.

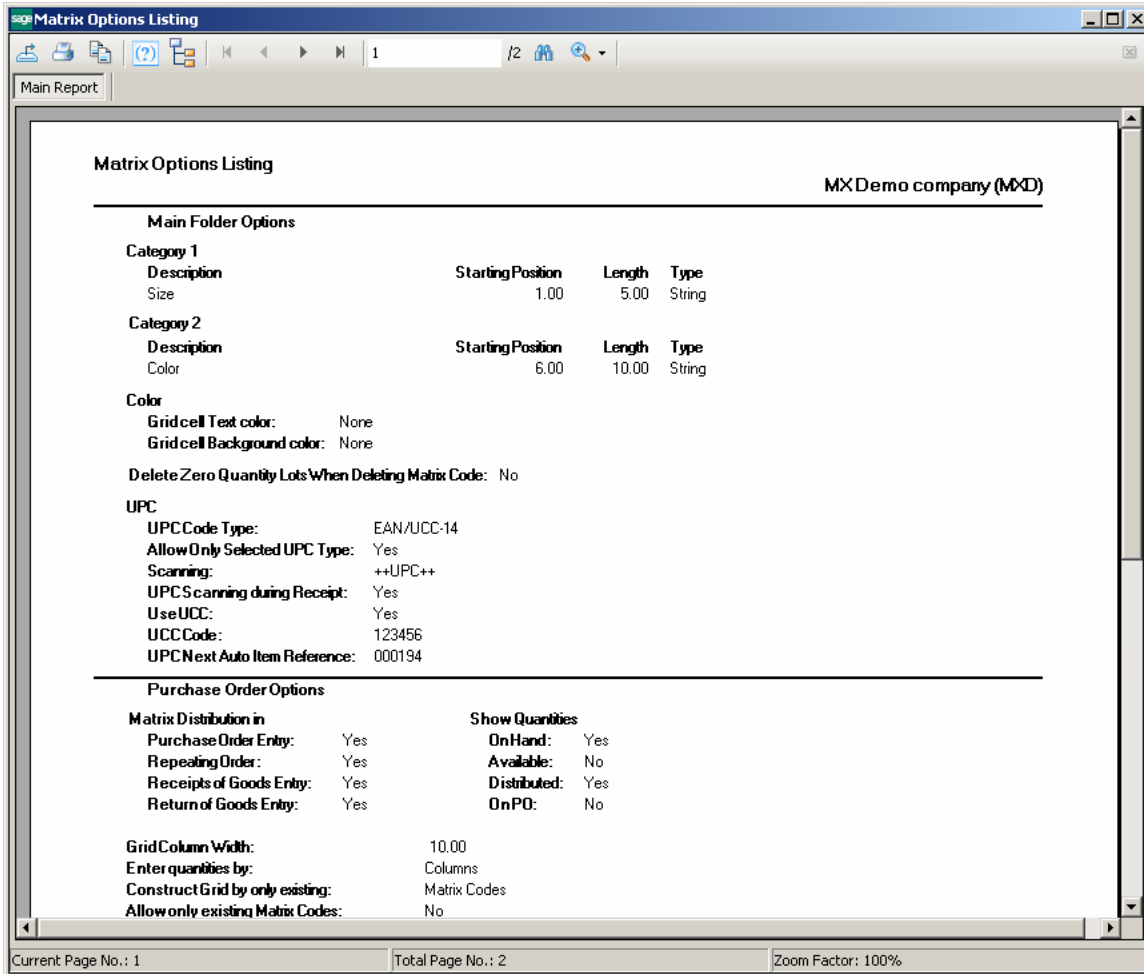
Check the **Use UCC** box, if your company manufactures rather than purchases and sells finished goods

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).

Click the **Print** button to print the MXP Options Listing:



On the other tabs of the **Matrix Options** screen, select module specific options. On the **Purchase Order** tab, select options for **Matrix Distribution** in the programs of the **Purchase Order** module.

The screenshot shows the Sage Matrix Options (MXD) 1/17/2014 dialog box. The 'Purchase Order' tab is selected. The 'Matrix Distribution in' section has four checked checkboxes: Purchase Order Entry, Repeating Order, Receipts of Goods Entry, and Return of Goods Entry. The 'Show Quantities' section has four checkboxes: On Hand (checked), Available (unchecked), Distributed (checked), and On PO (unchecked). The 'Grid Column Width' is set to 10. The 'Enter quantities by' dropdown is set to 'Columns' and 'Construct Grid by only existing' is set to 'Matrix Codes'. There are also checkboxes for 'Allow only existing Matrix Codes', 'Matrix Distribution Auto Popup in P/O Entry', and 'Purchase Order Full Distribution Required', with the last three checked. At the bottom are 'Accept', 'Cancel', and a printer icon.

In the **Matrix Distribution in** section, check the boxes to display the **Matrix Distribution** screen instead of the standard **Lot/Serial Distribution** screen for the Matrix Items in the corresponding programs.

In the **Show Quantities** section, check the boxes to display corresponding quantities in the matrix distribution grid. Quantities **On Hand**, **Available**, **Distributed** and **On PO** can be selected. Each cell of the grid will display the selected quantities, separated by slashes.

Note that at least one of these boxes should be checked.

Enter **Grid column Width**. Each column in the matrix distribution grid will have the entered width.

From the **Enter quantities by** drop-down list, select **Rows** or **Columns**. This option specifies the direction of moving the selection in the Grid when entering quantities. You can choose to enter all the quantities in the first row, then move to the second, and so on (by **Rows**). The selection moves to the left, when accepting the quantity. If you want to enter all the quantities in the first column, then in the second, and so on, select the **Columns** option. In this case, the selection moves down, when accepting the quantity.

From the **Construct Grid by only existing** drop-down list, select the **Lot Numbers** to display already existing Lot Numbers for item Matrix Code in the matrix distribution

grid. Select **Matrix Codes** to display item Matrix Codes from the **Matrix Code Maintenance**.

Check the **Allow only existing Matrix Codes** box to allow entering only the Lot Numbers containing existing Matrix Codes in the Matrix Distribution screen. Clear the check box to be able to enter Lot Numbers with new Matrix Codes. If the Grid is constructed by Matrix Codes, the new Codes will not be displayed.

Check the **Matrix Distribution Auto Popup in P/O Entry** box to auto display the **Matrix Distribution** screen when clicking in the **Quantity** field. The **Matrix Distribution** screen is displayed when the quantity is zero regardless of this setting. If the box is checked, it appears for non-zero quantities as well. In this case, the **Ordered** quantity cannot be entered on the line, and is set equal to the **Quantity Distributed** displayed on the **Matrix Distribution** screen. If the box is cleared, the screen appears only for zero quantities. In this case, the **Quantity Distributed** field is not displayed on the **Matrix Distribution** screen, and the distribution will be balanced against the quantity entered in the **Ordered** field of the line.

Check the **Purchase Order Full Distribution Required** box to require full distribution for all lines of the purchase order when accepting the order. If this check box is cleared, orders can be accepted without distributing all the lines completely.

From the **Lot/Serial Distribution from P/O in ROG** drop-down list, select **Yes** to pass the distribution of Purchase Order to Receipt Of Goods, **No** not to use the distribution, or **Prompt** to ask user in each Receipt Of Goods.

From the **Remove Lot Distribution from ROG** drop-down list, select **Yes** to remove lot distribution information if Received Quantity is changed to zero in the **Receipt of Goods Entry**. Select **No** not to remove the distribution, or **Prompt** to ask user in each Receipt Of Goods.

If the **Use Cost Discount % with Lot Costing** box is checked the standard **Vendor Cost Discount %** along with **MXP Lot Costing** will be used in Purchase Order Entry and Receipt of Goods Entry. Otherwise only the **MXP Lot Costing** for the selected item, if there is such specified in the MXP Lot Price/ Cost maintenance, will be used.

On the **Sales Order** tab, select options for **Matrix Distribution** in the programs of the **Sales Order** module.

The screenshot shows the Sage Matrix Options (MXD) dialog box for the Sales Order module. The 'Matrix Distribution in' section is checked for Sales Order Entry, Price Quote, and Invoice Data Entry. The 'Show Quantities' section is checked for Available and Distributed, and unchecked for On Hand. The 'Grid Column Width' is set to 10. The 'Enter quantities by' dropdown is set to 'Columns'. The 'Matrix Distribution Auto Popup in S/O Entry' checkbox is checked. The dialog has 'Accept', 'Cancel', and a printer icon at the bottom right.

In the **Matrix Distribution in** section, check the boxes corresponding to the programs, where, for the Matrix Items, the Matrix Distribution screen will be displayed instead of the standard **Lot/Serial Distribution** screen.

If the **Matrix Distribution in Sales Order Entry** is enabled, the Distribution for Matrix items can be also allowed for **Price Quotes**. When the **Price Quote** box is checked, the Matrix Distribution of the Price Quote is preserved when converting it to Standard Order.

The **Show Quantities** section, **Grid column Width** field, and the **Enter quantities by** drop-down list are the same as on the **Purchase Order** tab. The settings apply to the programs of the **Sales Order** module.

Check the **Matrix Distribution Auto Popup in S/O Entry** box to auto display the **Matrix Distribution** screen when clicking in the **Quantity** field in the **Sales Order Entry** program. The **Matrix Distribution** screen is displayed when the quantity is zero regardless of this setting. In this case, the **Ordered** quantity cannot be entered on the line, and is set equal to the **Quantity Distributed** displayed on the **Matrix Distribution** screen. If the box is checked, it will also popup for non-zero quantities. In this case, the **Quantity Distributed** field on the **Matrix Distribution** screen is not populated and the distribution should be balanced against the quantity entered in the **Ordered** field of the line.

For Back Orders, the **Back Ordered** field is used instead of the **Ordered**.

If the **Matrix Distribution Auto Popup in S/O Entry** box is cleared, the screen will popup only for zero quantities.

On the **Inventory** tab, select options for **Matrix Distribution** in the programs of the **Inventory Management** module.

The screenshot shows the Sage Matrix Options (MXD) 1/17/2014 dialog box. The 'Inventory' tab is selected. The 'Matrix Distribution in' section has two checked checkboxes: 'Inventory Transaction Entry' and 'Physical Count Entry'. The 'Show Quantities' section has three checkboxes: 'On Hand' (unchecked), 'Available' (checked), and 'Distributed' (checked). The 'Grid Column Width' is set to 15, and 'Enter quantities by' is set to 'Columns'. Buttons for 'Accept', 'Cancel', and a printer icon are at the bottom right.

In the **Matrix Distribution in** section, check the boxes for the entries where the Matrix Distribution screen should popup for Matrix Items instead of the standard **Lot/Serial Distribution** screen.

The **Show Quantities** section, **Grid column Width** field, and the **Enter quantities by** drop-down list are the same as on the **Purchase Order** tab. These settings are applied to the programs of the **Inventory** module.

On the **Bill of Materials** tab, select options for **Matrix Distribution** in the programs of the **Bill of Materials** module.

If the module has not been activated and setup in the system, the options will be unavailable.

The screenshot shows the Sage Matrix Options (MXD) 1/17/2014 dialog box. The '5. Bill of Materials' tab is selected. The 'Matrix Distribution in' section has three checked checkboxes: Production Entry, Auto Distribute Lines, and Disassembly Entry. The 'Show Quantities' section has three checkboxes: On Hand (unchecked), Available (checked), and Distributed (checked). The 'Grid Column Width' is set to 15. The 'Enter quantities by' dropdown is set to Rows. At the bottom right are buttons for Accept, Cancel, and a printer icon.

In the **Matrix Distribution in** section, check the boxes for the entries where the Matrix Distribution screen should popup for Matrix Items instead of the standard **Lot/Serial Distribution** screen.

If the **Production Entry** box is checked, you can select the **Auto Distribute Lines** option to use the Header Bill Matrix distribution for the distribution of the Lines Matrix items. The Auto Distribution will be done only when entering new **Production Entry**.

The **Show Quantities** section, **Grid column Width** field, and the **Enter quantities by** drop-down list are the same as on the **Purchase Order** tab. The settings apply to the programs of the **Bill of Materials** module.

On the **RMA** tab, select options for **Matrix Distribution** in the programs of the **Work Order** module.

If the module has not been activated and setup in the system, the options are unavailable.

The screenshot shows the Sage Matrix Options (MXD) 1/17/2014 dialog box with the RMA tab selected. The dialog has a tabbed interface with tabs for 1. Main, 2. Purchase Order, 3. Sales Order, 4. Inventory, 5. Bill of Materials, and 6. RMA. The RMA tab is active. The dialog contains the following settings:

- Matrix Distribution in:**
 - RMA Data Entry
 - RMA Receipts Entry
- Show Quantities:**
 - Available
 - Distributed
- Grid Column Width:** 15
- Enter quantities by:** Columns

At the bottom right, there are buttons for Accept, Cancel, and a printer icon.

In the **Matrix Distribution in** section, check the boxes corresponding to the programs, where, for the Matrix Items, the Matrix Distribution screen should be displayed instead of the standard **Lot/Serial Distribution** screen.

The **Show Quantities** section, **Grid column Width** field, and the **Enter quantities by** drop-down list are the same as on the **Purchase Order** tab. The settings apply to the programs of the **RMA** module.

Matrix Items

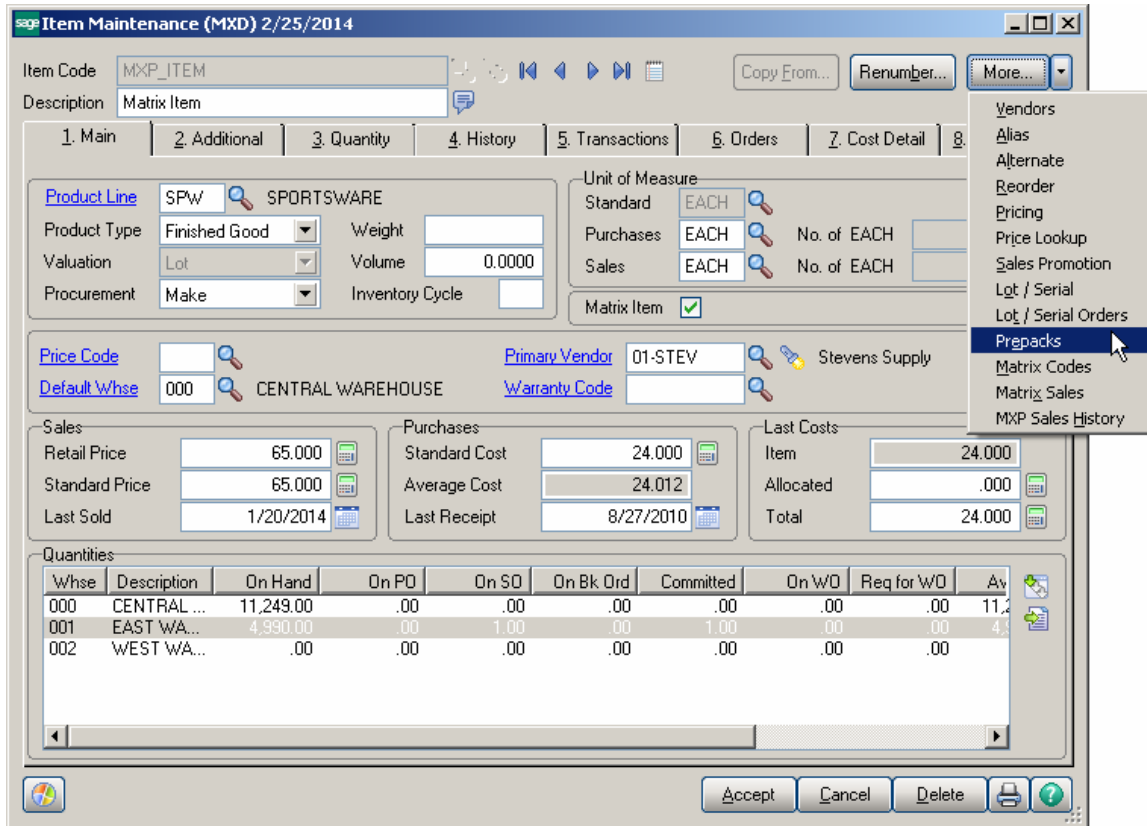
Select the Item Maintenance program under the Inventory Management Main menu.

The screenshot shows the SAP Item Maintenance (MXD) window for item MXP_ITEM. The 'Matrix Item' checkbox is checked and highlighted with a blue box. The 'Valuation' is set to 'Lot'. Other fields include Product Line (SPW), Product Type (Finished Good), and Unit of Measure (EACH).

Whse	Description	On Hand	On PO	On SO	On Bk Ord	Committed	On WD	Req for WD	Av
000	CENTRAL ...	11,249.00	.00	.00	.00	.00	.00	.00	11,249.00
001	EAST WA...	4,990.00	.00	1.00	.00	1.00	.00	.00	4,990.00
002	WEST WA...	.00	.00	.00	.00	.00	.00	.00	.00

Select the **Matrix Item** checkbox to indicate matrix items.

The **Matrix Item** box can be checked only for **Lot** items. The **Valuation** of an item specified as **Matrix Item** cannot be changed to any type other than **Lot**.

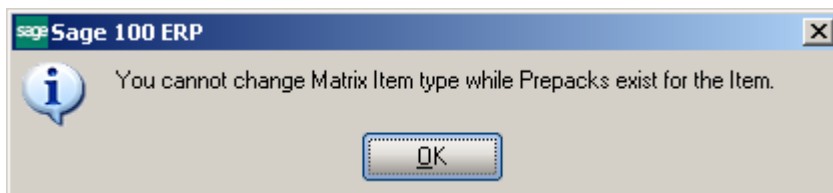


The **Prepacks**, **Matrix Codes**, **Matrix Sales** and **MXP Sales History** buttons are enabled only for Matrix Items.

Prepacks are discussed later in this manual.

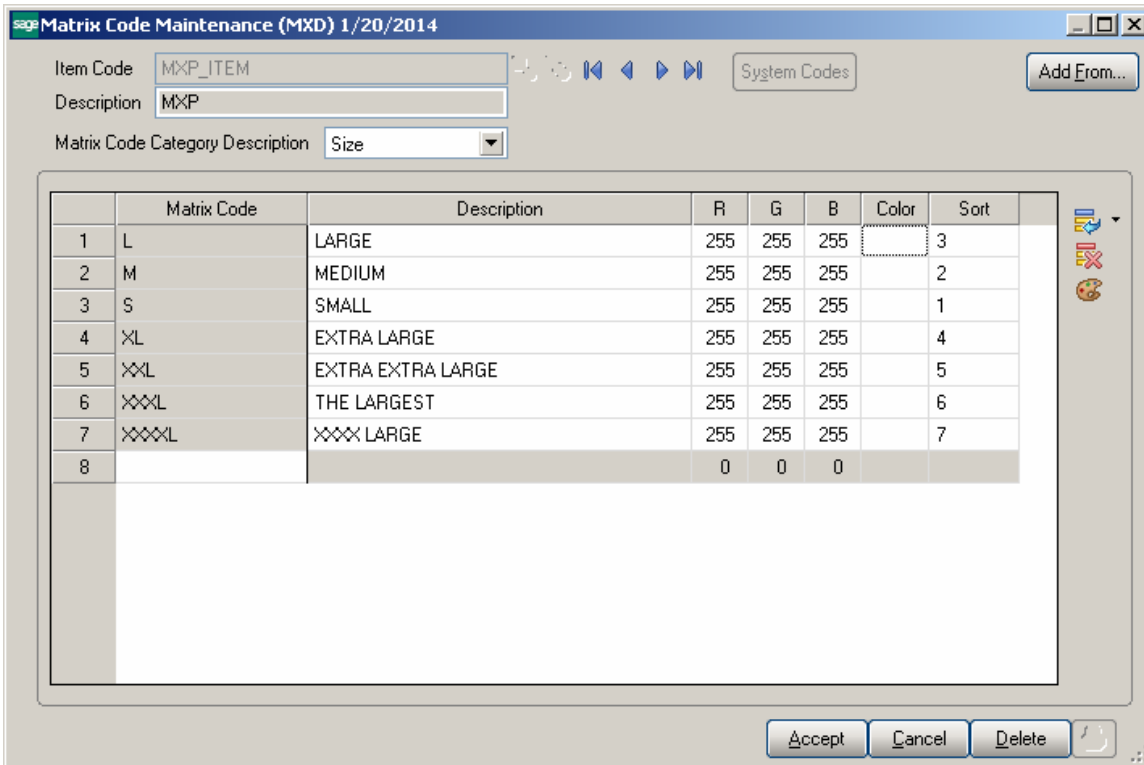
Matrix Item cannot be changed to non-Matrix if it has Prepacks.

If the **Matrix Item** check box is cleared for an item that has Matrix Codes, the program displays a confirmation message.



Matrix Codes of the item will be cleared, if the user chooses to remove the Matrix Item option from the item.

For Matrix Items, the **Matrix Codes** button is available. Click the button to display the **Matrix Code Maintenance** screen.



Here the user can add new matrix codes for current item if necessary or modify the existing ones (Refer to [Matrix Codes](#) for details).

The **Matrix Code** button is available on the **Item Inquiry** program, too. Clicking the **Matrix Code** button displays the **Matrix Code Inquiry** screen. **Matrix Codes** can be only viewed but not modified or added, from the **Item Inquiry** program.

Use the **Matrix Sales** button on the **Item Maintenance** screen to view Matrix Item Sales history information by customer and by the Item Matrix codes.

Click **ALL** to view the combined total of all ship-to locations for the customer and the selected Matrix Code combination.

Item Code: MXP_ITEM Matrix Item

Customer No.: 01-ABF Ship To: ALL Compare PY

Name: American Business Futures

Size: L Color: RED

Period	Ending	Qty Sold	Sales \$	Cost of Sales	Qty Returned
01	Jan 31	3.00	195.00	.00	.00
02	Feb 28	.00	.00	.00	.00
03	Mar 31	.00	.00	.00	.00
04	Apr 30	.00	.00	.00	.00
05	May 31	.00	.00	.00	.00
06	June 30	.00	.00	.00	.00
07	July 31	.00	.00	.00	.00
08	Aug 31	.00	.00	.00	.00
09	Sept 30	.00	.00	.00	.00
10	Oct 31	.00	.00	.00	.00
11	Nov 30	.00	.00	.00	.00
12	Dec 31	.00	.00	.00	.00
Total		3.00	195.00	.00	.00

Year: 2014

Buttons: OK, ?

You can also drill down to the sales transaction history information

Customer No.: 01-ABF American Business Futures Year: 2014 Period: 01

Item Code: MXP_ITEM Matrix Item Ship To: ALL

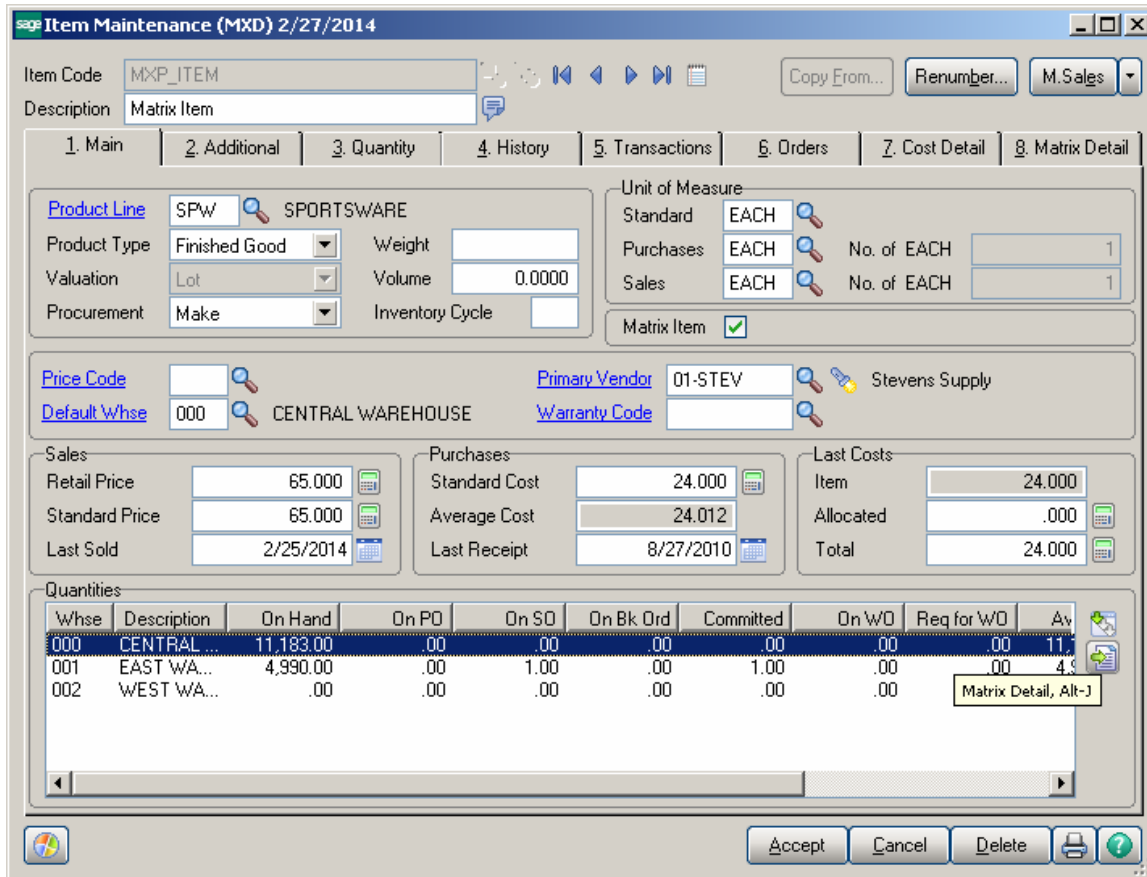
Trans Date	Type	Ref No.	Whse	Description	Quantity	Unit Cost	Extension	Item Cost
1/20/2014	SO	0100115...	001	EAST WA...	10.00	4.800	48.00	4.800

Lot/Serial Inquiry, Alt-I

Buttons: OK, ?

The **Matrix Detail** information is available from the Quantity grid on the Main tab and from the **Quantity** tab of the **Item Maintenance**.

Select a line in the grid and click the **Matrix Detail** button on the right hand.



The value of **On PO** field is calculated run-time.

The **Matrix Detail** screen displays the **Quantities Available** and **On Hand** (optional) in the Grid constructed by Matrix Codes.

The screenshot shows the Sage Matrix Detail window with the following details:

- Item Code: MXP_ITEM
- Warehouse: 000 CENTRAL WAREHOUSE

	S	M	L	XL	XXL	XXXL	XXXXL
WHITE	500.00/500.00/0	800.00/800.00/0	95.00/95.00/0	122.00/122.00/0			
BL_LT	500.00/500.00/0	80.00/80.00/0	95.00/95.00/0	10.00/10.00/0	50.00/50.00/0	15.00/15.00/0	6.00/6.00/0
YELL	500.00/500.00/0	80.00/80.00/0	100.00/100.00/0			12.00/12.00/0	8.00/8.00/0
RED	500.00/500.00/0	100.00/100.00/0					
GREEN	475.00/475.00/0	100.00/100.00/0					
GR_LT	500.00/500.00/0	100.00/100.00/0	95.00/95.00/0	5.00/5.00/0	10.00/10.00/0	11.00/11.00/0	
BLUE	5,000.00/5,000.00/0	89.00/89.00/0					
GRAY	500.00/495.00/0	100.00/100.00/0	35.00/35.00/0				
BLACK	500.00/500.00/0	90.00/90.00/0					

At the bottom of the window, there are controls for 'Show Quantities' (On Hand, Available, On PO) and 'Construct Grid by only existing Matrix Codes' with a 'Grid column Width' set to 15.

The same screen is available also from the **Inventory Inquiry** program.

If the **Include in Quantity Available** option is set to “Purchase Order” or “PO s and WO s” in the Inventory Management Options the quantity On PO for Matrix Lot will be included in the quantity available calculation and reflected in the quantity available displayed on the Matrix Grid wherever it’s accessible.

“On PO” quantity will be included in the availability calculation after the Purchase Order is accepted.

*Note: For Matrix lots the **Include in Quantity Available** option to include **On WO** quantity is not supported.*

Customer Matrix Sales History

Select the **Customer Maintenance** program under the **Accounts Receivable Main** menu.

The screenshot shows the Sage Customer Maintenance (MXD) 2/27/2014 window. The customer name is 'American Business Futures' and the customer number is '01-ABF'. A dropdown menu is open over the 'Items...' button, showing options: 'Contacts', 'Items', 'Ship To Address', 'Invoices Inquiry', and 'RMA Inquiry'. The 'Items' option is highlighted. The main window contains fields for Address, ZIP Code, City, Country, Salesperson, Telephone, Fax, Terms Code, Primary Contact, Ship Code, Primary Ship To, Tax Schedule, Credit Hold, and Credit Limit.

Click the **Items** menu.

The screenshot shows the Sage 100 ERP 'Detailed Sales History' dialog box. The dialog box has a question mark icon and two buttons: 'Item' and 'Matrix'.

In the opened dialog box click the **Matrix** button to open the **Detailed Matrix Sales History** screen.

Enter the **Item No.** or select it using the **Lookup** button. The Lookup list displays only Matrix items.

Click the **Item Customer Lookup** button to view the list of all the Lot Numbers for all matrix items sold to the selected customer.

sage Customer Sales History

Customer No. 01-ABF American Business Futures Alias... Pricing...

Item Code Item Customer Lookup, Alt-L Ship To Compare FY

Description Size Color

Period	Ending	Qty Sold	Sales \$	Cost of Sales	Qty Returned
01	Jan 31	.00	.00	.00	.00
02	Feb 28	.00	.00	.00	.00
03	Mar 31	.00	.00	.00	.00
04	Apr 30	.00	.00	.00	.00
05	May 31	.00	.00	.00	.00
06	June 30	.00	.00	.00	.00
07	July 31	.00	.00	.00	.00
08	Aug 31	.00	.00	.00	.00
09	Sept 30	.00	.00	.00	.00
10	Oct 31	.00	.00	.00	.00
11	Nov 30	.00	.00	.00	.00
12	Dec 31	.00	.00	.00	.00
	Total	.00	.00	.00	.00

2013

OK ?

sage Customer / Item List

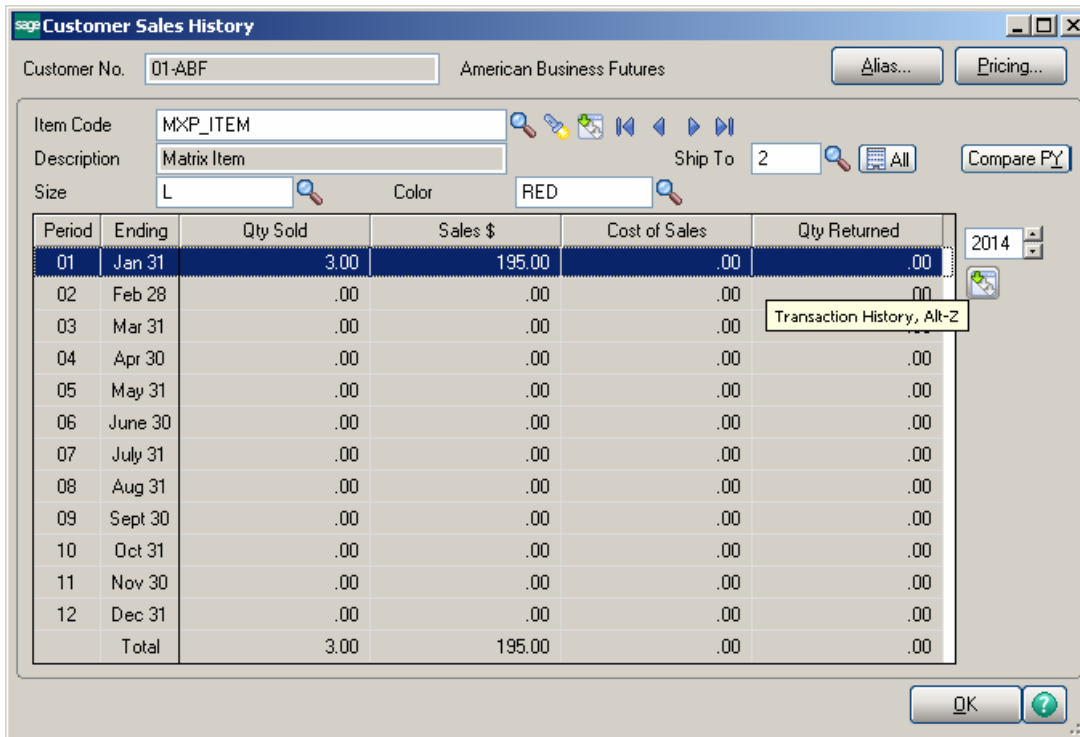
Item Code	Description	Lot Serial No	Ship To Code	FiscalCaYear
BELT-WIDE	WIDE BELT	STD BLUE	2	2013
BLINKERS	BLINKERS	M YELL	2	2013
MXP_ITEM	Matrix Item	L BLACK	2	2014
MXP_ITEM	Matrix Item	L GREEN	2	2014
MXP_ITEM	Matrix Item	L RED	2	2014
MXP_ITEM	Matrix Item	XL GR_LT	2	2014
T-SHRT	T-SHIRT	L GR_LT	2	2013
T-SHRT	T-SHIRT	L RED	2	2013
T-SHRT	T-SHIRT	S GR_LT	2	2013
T-SHRT	T-SHIRT	XL BLUE	2	2013
T-SHRT	T-SHIRT	XL WHITE	2	2013
T-SHRT	T-SHIRT	XXXL GR_LT	2	2013
T-SHRT	T-SHIRT	XXXL GR_LT	2	2013

Search Item Code Begins with Find

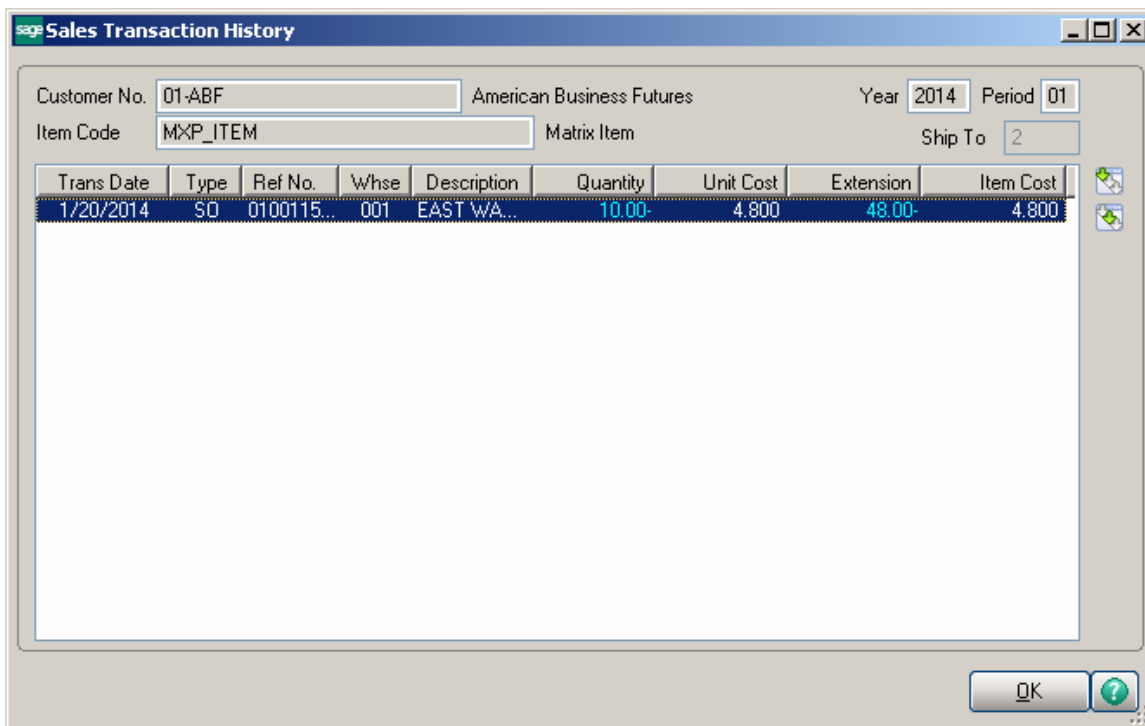
Filters... Custom... Select Cancel ?

Found 13 records

The **Item Inquiry** button displays the **Item Inquiry** screen for the selected item.



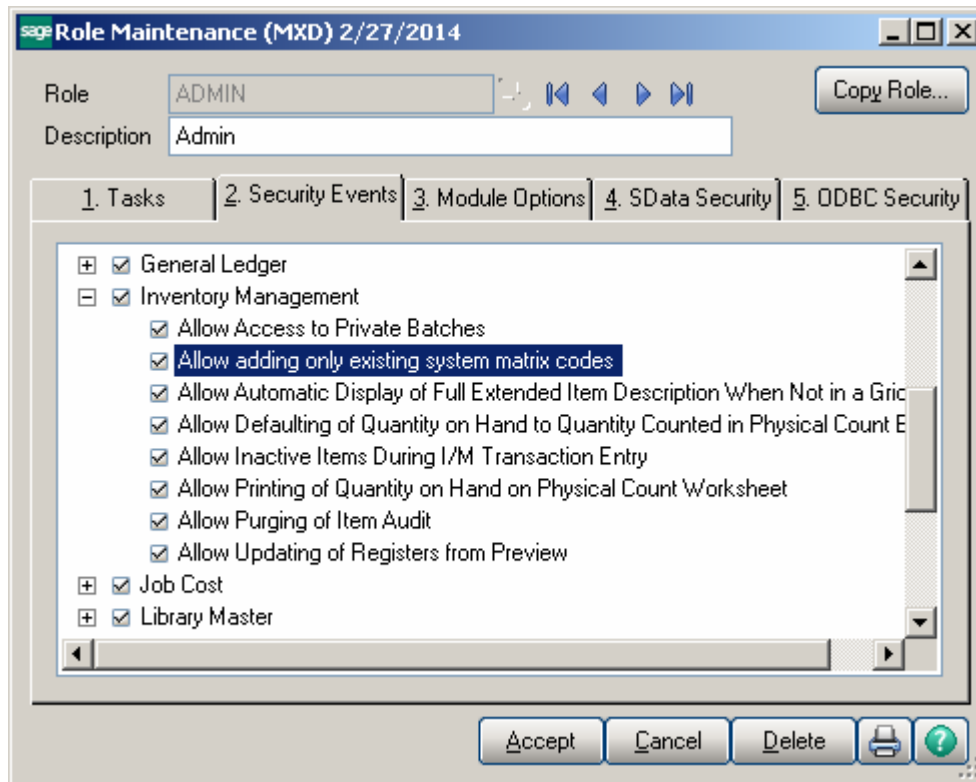
Select a period and click the **Transaction History** button to view the **Sales Transaction History** screen.



Matrix Codes Setup

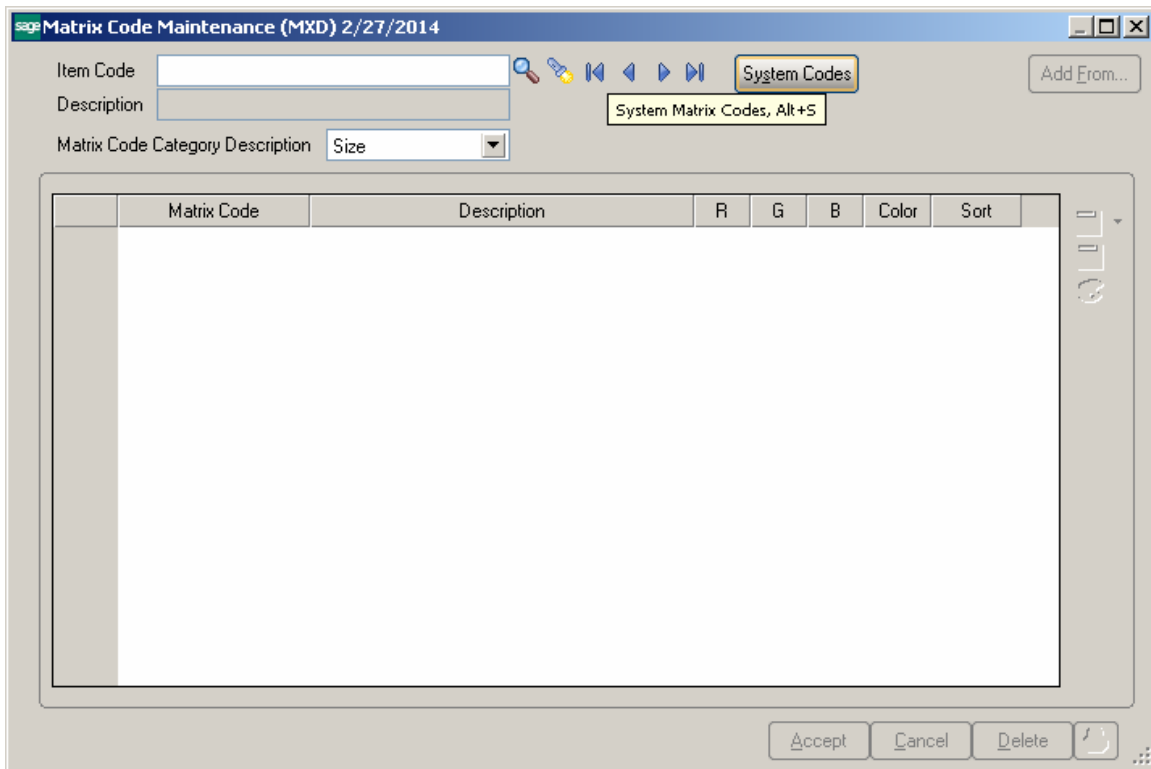
Role Maintenance

The **Allow adding only existing system matrix codes** security event allows only authorized users to add matrix codes for an Item other than the ones already setup in the system.



Matrix Code Maintenance

Select the **Matrix Code Maintenance** program under the Inventory Management Setup menu. The **System Codes** button allows for adding system level matrix codes, which may be added to any Item as needed.



Upon pressing the **System Codes** button the **Matrix Code Maintenance** is opened with the Item Code defaulted to ***SYSTEM_MATRIX*** with respective Description. Select the **Matrix Code Category Description** (Size/Color) and enter the Matrix Codes corresponding to that category.

SAP Matrix Code Maintenance (MXD) 2/27/2014

Item Code: *SYSTEM_MATRIX* System Codes Add From...

Description: *SYSTEM MATRIX CODES*

Matrix Code Category Description: Size

	Matrix Code	Description	R	G	B	Color	Sort
1	L	LARGE	255	255	255		3
2	S	SMALL	255	255	255		1
3	XL	EXTRA LARGE	255	255	255		4
4	XXL	EXTRA EXTRA LARGE	255	255	255		5
5	XXXL	THE LARGEST	255	255	255		6
6			0	0	0		







Accept Cancel Delete

SAP Matrix Code Maintenance (MXD) 2/27/2014

Item Code: *SYSTEM_MATRIX* System Codes Add From...

Description: *SYSTEM MATRIX CODES*

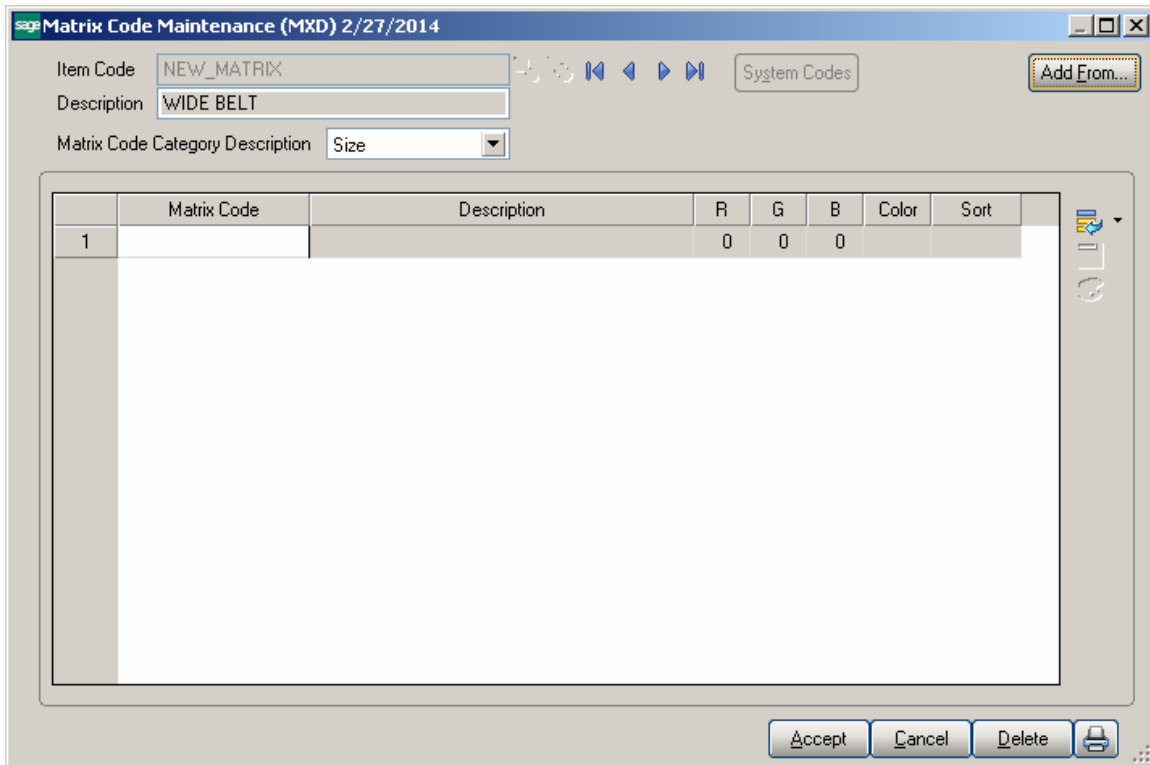
Matrix Code Category Description: Color

	Matrix Code	Description	R	G	B	Color	Sort
1	BLACK	BLACK	64	0	64		6
2	BLUE	BLUE	0	0	255		5
3	GREEN	GREEN	0	255	0		4
4	RED	RED	255	0	0		3
5	WHITE	WHITE	255	255	255		1
6	YELL	YELLOW	255	255	0		2
7			0	0	0		

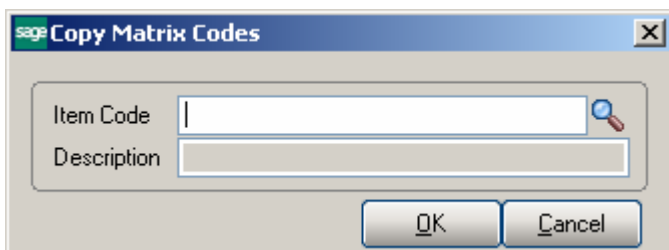
Accept Cancel Delete

You may enter also Description; specify the color either by entering respective R, G, and B codes or by selecting from color palette. The **Sort** field allows for setting the order of Matrix Codes displayed in the Matrix Distribution Grids.

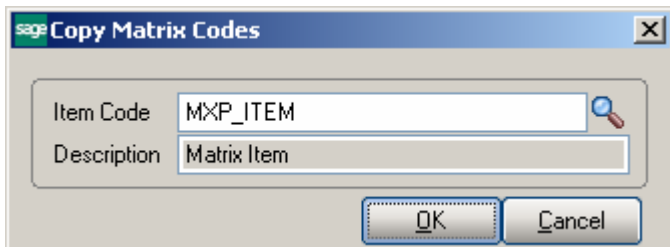
The **Add From** button allows for copying Matrix Codes from any item to the selected item's Matrix Codes.



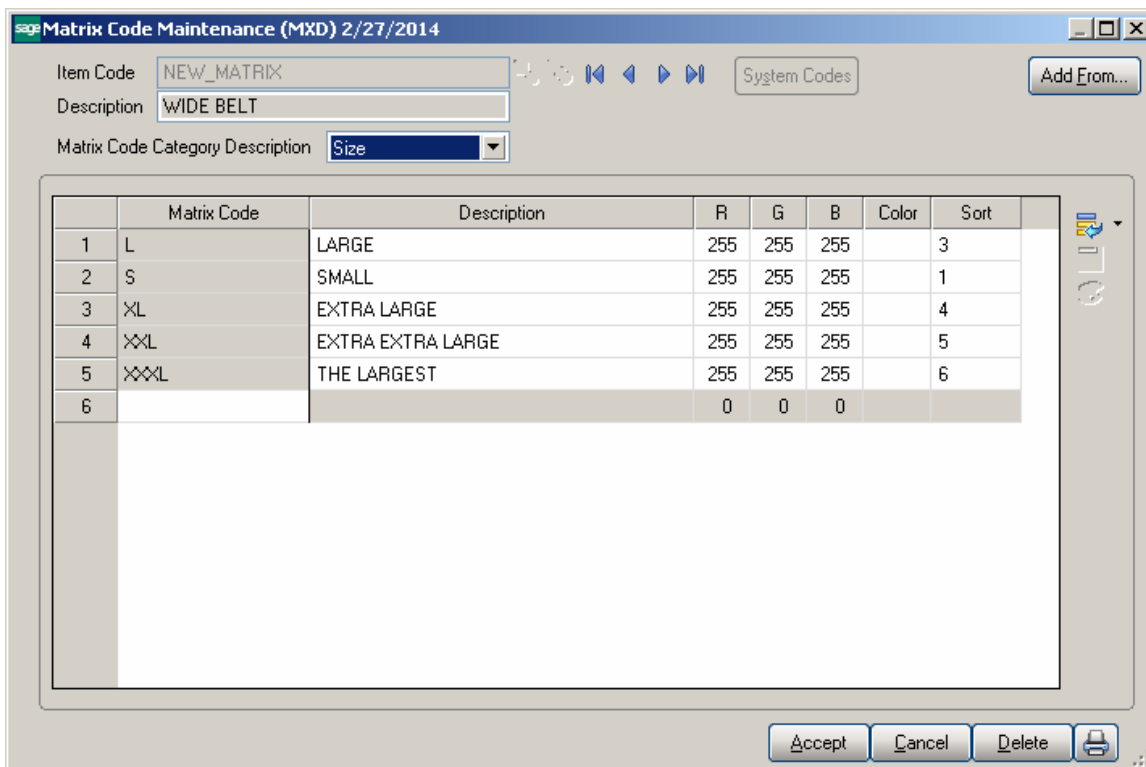
The **Copy Matrix Codes** window is opened upon pressing the **Add From...** button



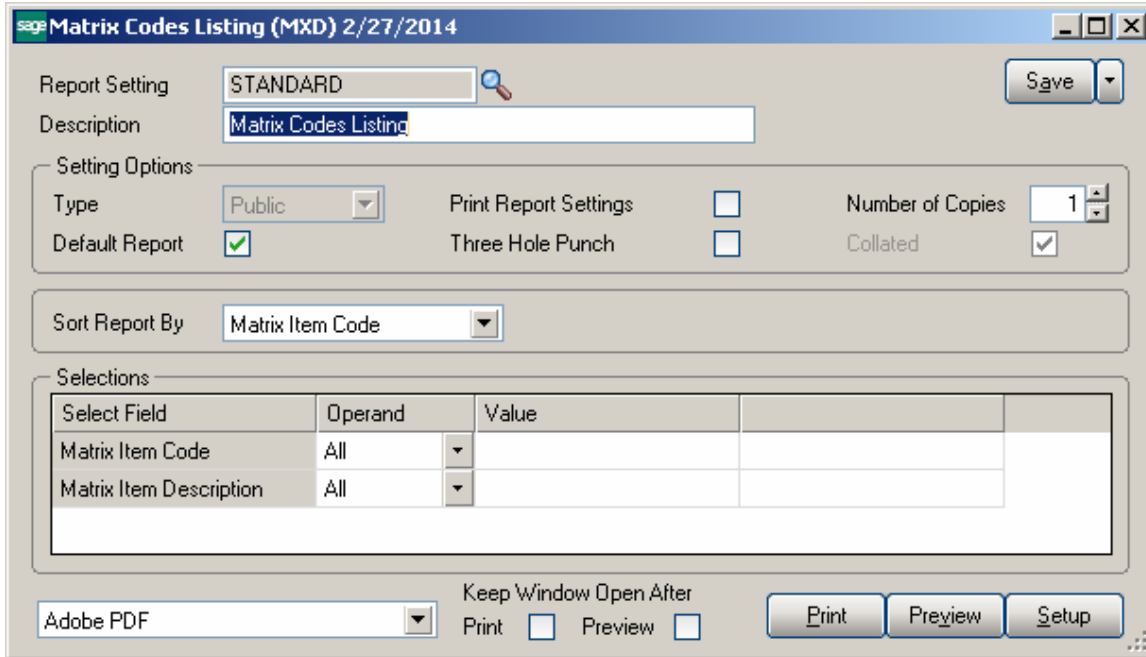
Select an Item you want the Matrix Codes to be copied from and press OK.



The Matrix Codes already entered for the destination Item will be retained, and the copied Codes will be added. If the Code being copied already exists, it is retained with all options and not overwritten by the added Code.



Print button allows printing the Matrix Codes listing:



The report can be printed sorted by Matrix Item Code or Matrix Item Description. Default setting is Matrix Item Code.

Here is an example of printout for the report sorted by Matrix Item Code:

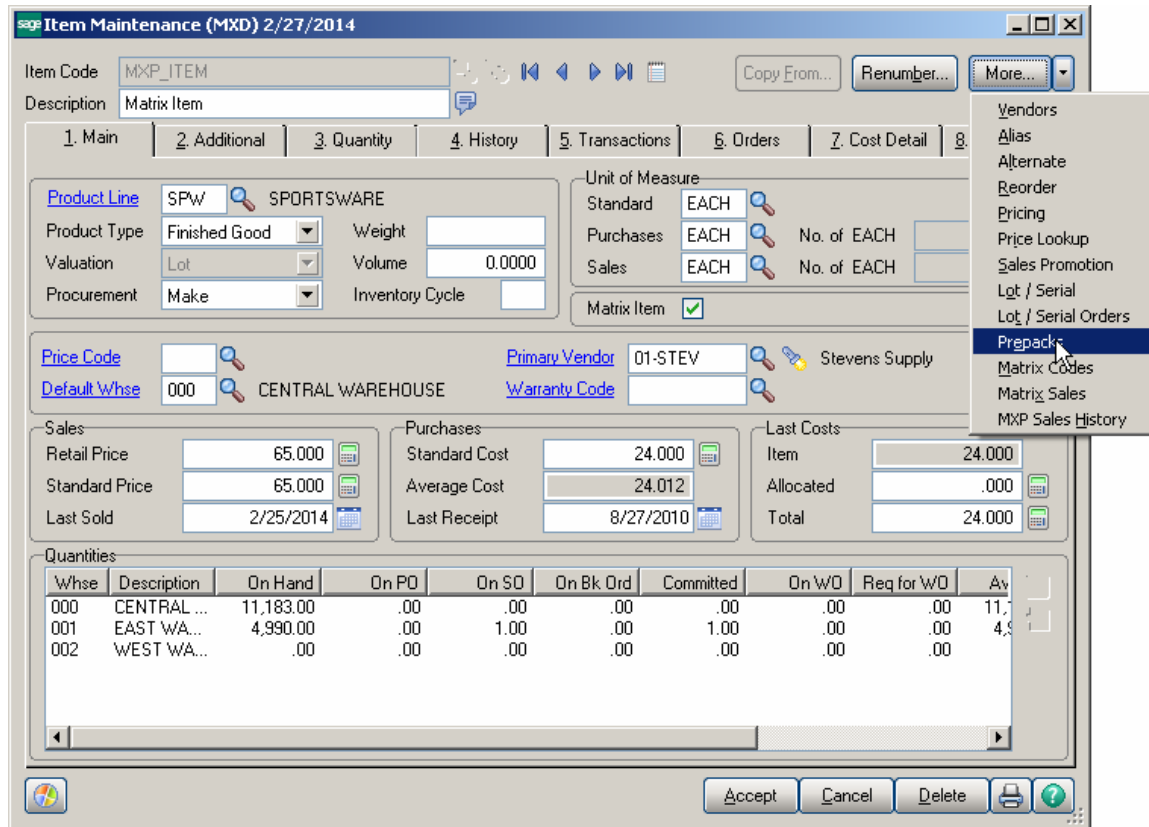
Matrix Codes Listing				MXDemo company (MXD)			
Item Code	Category	Matrix Code	Matrix Code Description	R	G	B	Sot
SYSTEM_MATRIX *SYSTEM MATRIX CODES*							
	Size:	L	LARGE	255	255	255	3
		S	SMALL	255	255	255	1
		XL	EXTRA LARGE	255	255	255	4
		XXL	EXTRA EXTRA LARGE	255	255	255	5
		XXXL	THE LARGEST	255	255	255	6
	Color:	BLACK	BLACK	64	0	64	6
		BLUE	BLUE	0	0	255	5
		GREEN	GREEN	0	255	0	4
		RED	RED	255	0	0	3
		WHITE	WHITE	255	255	255	1
		YELL	YELLOW	255	255	0	2
BELT-WIDE WIDE BELT							
	Size:	STD	FITS ALL SIZES	255	255	255	
	Color:	BLACK	BLACK	64	0	64	
		BLUE	BLUE	0	0	255	
		BROWN	BROWN	128	64	64	

This report is accessible also from Inventory Management Reports menu.

The initial grid is constructed from the Matrix Codes of the selected Item, if it has at least one Code of each Category. Otherwise system's Matrix Codes are used.

Prepacks

In the **Item Maintenance** program, select a Matrix Item.



Click the **Prepacks** button from the **More...** menu button.

	S	L	XL	XXL	XXXL
WHITE	1.00	1.00	.00	.00	.00
BL_LT	.00	.00	.00	.00	.00
YELL	3.00	.00	3.00	.00	.00
RED	.00	.00	.00	.00	.00
GREEN	1.00	1.00	1.00	.00	.00
GR_LT	.00	.00	.00	.00	.00
BLUE	.00	.00	.00	.00	.00
GRAY	.00	.00	.00	.00	.00
BLACK	.00	.00	.00	.00	.00

Buttons: Accept, Cancel, Delete

Select a **Customer No.** to view the Prepacks of the selected customer. If no Customer is selected, the Prepacks of the Item can be viewed.

To create a new Prepack, enter the **Prepack Code** and **Description**.

Select a cell, and enter the quantity:

SAP Prepack Code Maintenance (MXD) 2/27/2014

Item Code: MXP_ITEM Matrix Item
 Customer No.: 01-ABF American Business Futures

Prepack Code: LSIZE
 Description: L_Size Items Enter quantities by: Columns

	S	L	XL	XXL	XXXL
WHITE	.00	2.00	.00	.00	.00
BL_LT	.00	3.00	.00	.00	.00
YELL	.00	1.00	.00	.00	.00
RED	.00	3.00	.00	.00	.00
GREEN	.00	4.00	.00	.00	.00
GR_LT	.00	4.00	.00	.00	.00
BLUE	.00	2.00	.00	.00	.00
GRAY	.00	3.00	.00	.00	.00
BLACK	.00	2.00	.00	.00	.00

Accept Cancel Delete

After pressing Enter, the focus moves to the next cell, which is activated by pressing Enter, double-clicking, or by directly entering the new quantity. The direction of moving the selection in the Grid when entering quantities is defined by the **Enter quantities by** drop-down list. It is defaulted to the setting on the **Inventory** tab of the **Matrix Options** program, but you can change it and select **Rows** or **Columns** for current use. You can choose to enter all the quantities in the first row, then move to the second, and so on (by **Rows**). If you want to enter all the quantities in the first column, then in the second, and so on, select the **Columns** option. In this case, the selection moves down, when accepting the quantity.

After filling all the needed quantities, click **Accept**. Click **Cancel** to clear all the changes for the selected/entered **Prepack Code**. Click **Delete** to delete the selected **Prepack Code**.

The **Lookup** button displays the list of existing Prepacks for the selected Item – Customer pair. If no Customer is selected, the list displays the Prepacks of the Item.

The **Alternate Lookup** button displays the list of all the Prepacks of the Item (for all the Customers, and the Item's own).

Prepack Code	Description	Customer No.
STD	Standard	-
LSIZE	L_Size Items	01-ABF
AVN_1	Prepack 1	01-AVNET

Search: Prepack Code [v] Begins with [v] [] [Find]

[Filters...]

[Custom...]

[Select] [Cancel] [Print] [Help]

Found 3 records

The initial grid is constructed from the Matrix Codes of the selected Item, if it has at least one Code of each Category. Otherwise system's Matrix Codes are used.

The **Prepacks** of the Item can be viewed from the **Inventory Inquiry** program, too. Clicking the **Prepacks** button displays the same **Item Prepack Maintenance** screen. From the **Inventory Inquiry** program Prepacks can be only viewed but not modified or added

Matrix Item UPC Maintenance

The **Matrix Item UPC Maintenance** program under the **Inventory Management Setup** menu allows for assigning UPC Codes to the Matrix Lot.

The screenshot shows the Sage Matrix Item UPC Maintenance (MXD) 2/27/2014 window. The window title bar includes the Sage logo and the text 'Matrix Item UPC Maintenance (MXD) 2/27/2014'. Below the title bar, there are input fields for 'Item Code' (MXP_ITEM), 'UCC Code' (123456), and 'Auto Next No.' (000230). The main area contains a table with 17 rows, each representing a Matrix Lot and its corresponding UPC. The table has three columns: 'Matrix Lot' and 'UPC'. The rows are numbered 1 through 17. A tooltip 'Assign UPC, Alt-X' is visible over the table. At the bottom of the window, there are buttons for 'Auto', 'Accept', 'Cancel', 'Delete', and a printer icon.

	Matrix Lot	UPC
1	S WHITE	01234560001941
2	S BL_LT	01234560001958
3	S YELL	01234560001965
4	S RED	01234560001972
5	S GREEN	01234560001989
6	S GR_LT	01234560001996
7	S BLUE	01234560002009
8	S GRAY	01234560002016
9	S BLACK	01234560002023
10	L WHITE	01234560002030
11	L BL_LT	01234560002047
12	L YELL	01234560002054
13	L RED	01234560002061
14	L GREEN	01234560002078
15	L GR_LT	01234560002085
16	L GRAY	01234560002092
17	L BLACK	01234560002108

Enter the **Item Number**, or select it using the **Lookup** button. Only Matrix Items are listed in the Item List.

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

The **Assign UPC** button allows for assigning a UPC code to the selected line.



Load All Existing Lots, Alt-S

- this button allows loading all existing lots for the selected Item from IM_ItemCost table.



Load Existing Matrix Codes, Alt-L

-this button allows loading all Matrix Codes setup for current Item in the Matrix Code Maintenance.



Load System Matrix Codes, Alt-M

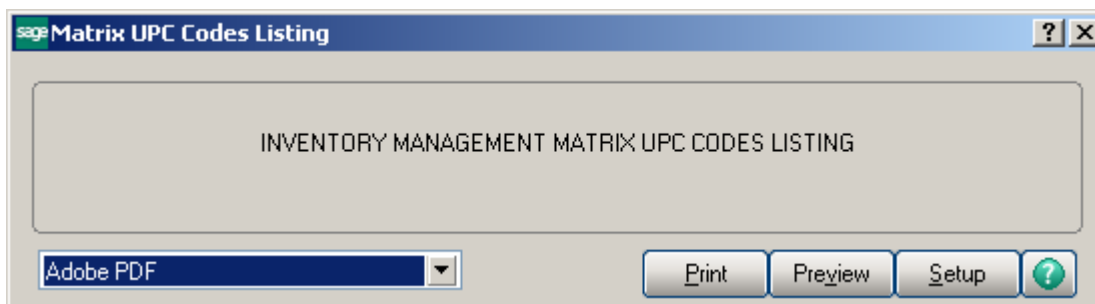
- this button allows loading the System Matrix Codes setup in the system.

The **Auto** button allows for assigning codes automatically to all the listed Lot Numbers not having UPC Codes yet.

Any valid UPC Code may be entered. If the **Allow Only Selected type** box is not checked in the UPC options, 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 **Allow Only Selected type** box is checked, the length must match the selected type. If the **Use UCC** option is set in the UPC options, you can 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.

All the codes entered will be saved when clicking the **Accept** button.

Print button allows for printing the Matrix UPC Codes Listing:



Here is an example of printout:

Item Code	Description Matrix Lot	UPC
MXP_ITEM	Matrix Item	
	L BLACK	01234560002108
	L BL_LT	01234560002047
	L GRAY	01234560002092
	L GREEN	01234560002078
	L GR_LT	01234560002085
	L RED	01234560002061
	L WHITE	01234560002030
	L YELL	01234560002054
	M BLACK	01234560002191
	M BLUE	01234560002207
	M BL_LT	01234560002214
	M GRAY	01234560002221
	M GREEN	01234560002238
	M GR_LT	01234560002245
	M RED	01234560002252
	M WHITE	01234560002269
	M YELL	01234560002276
	S BLACK	01234560002023
	S BLUE	01234560002009

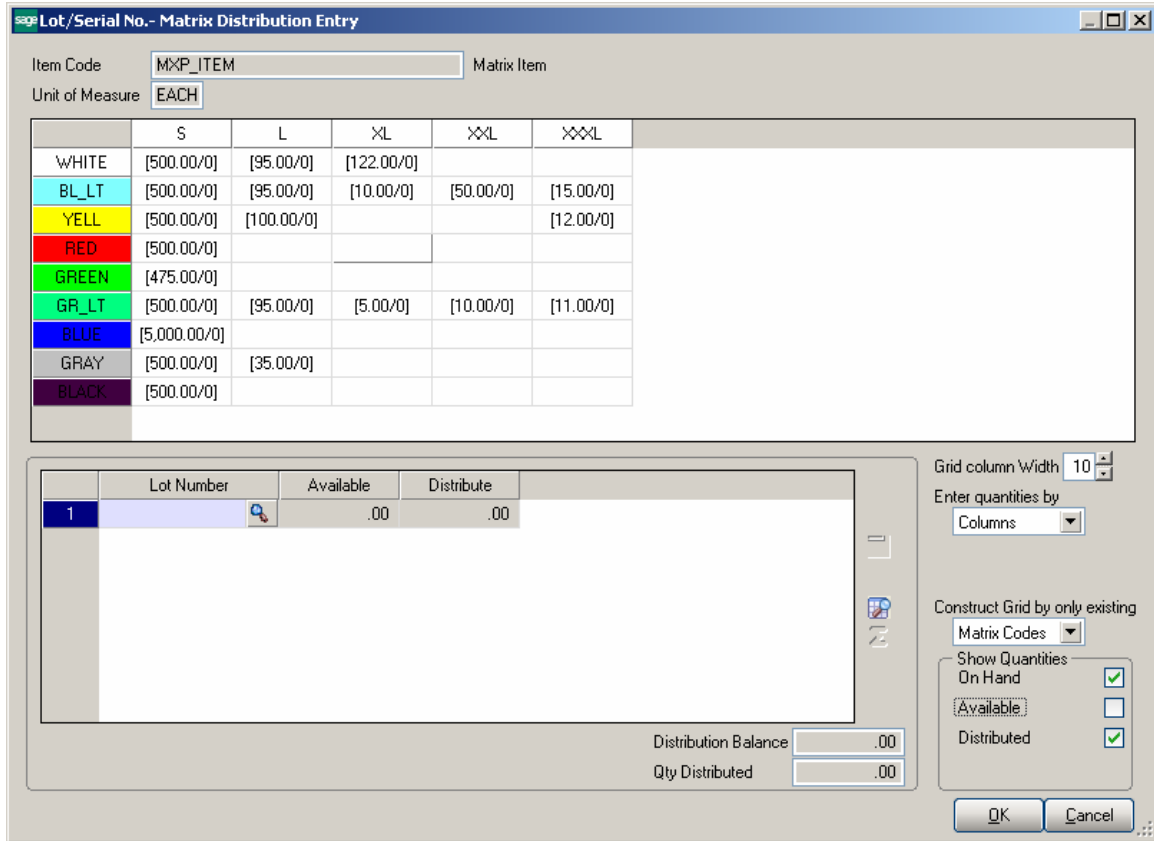
Matrix Distribution

Purchase Order Entry

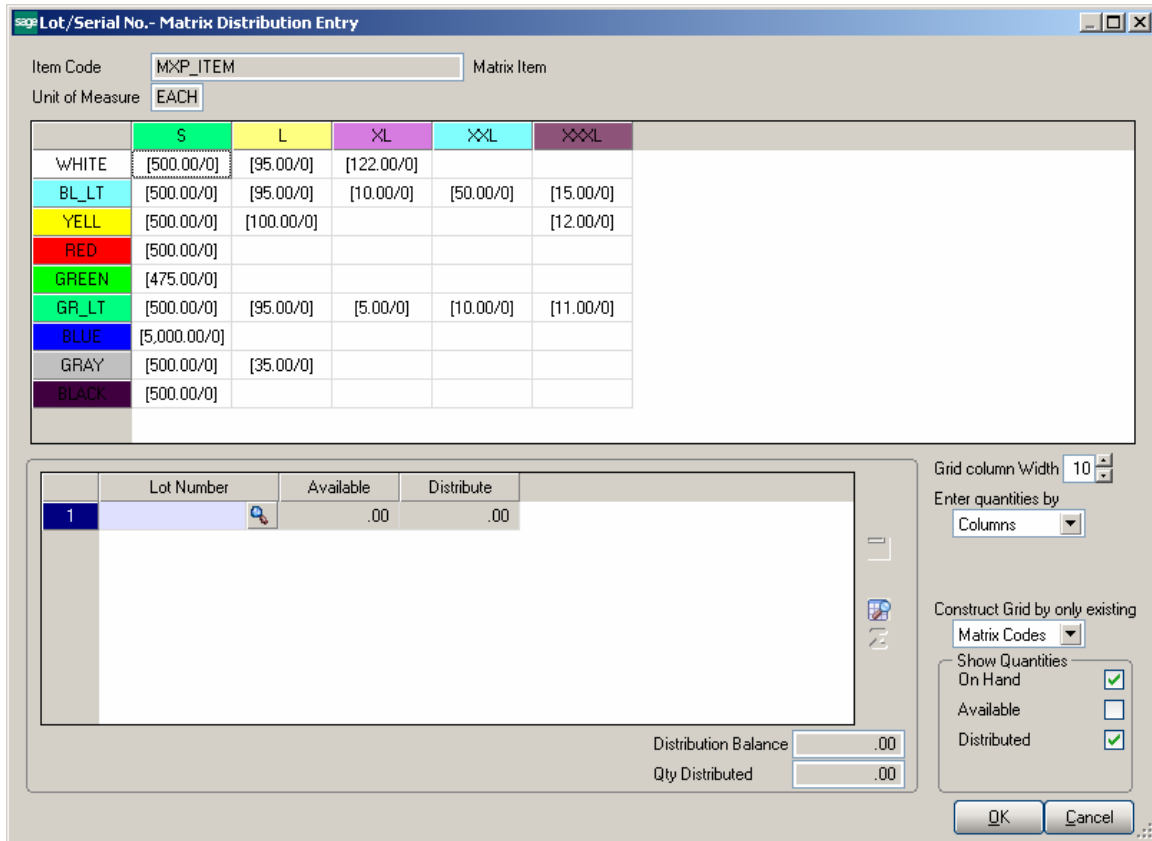
Select the **Purchase Order Entry** program under the Purchase Order Main menu.

The Matrix Distribution is allowed for Standard Order Type and Repeating Orders (if corresponding checkbox is selected on the Purchase Order tab of the Matrix Options). For Repeating Orders the distributed quantities are not committed to the corresponding warehouse.

In the Lines tab, select a Matrix Item. If the Purchase Order Entry box is checked in the “**Matrix Distribution in**” section of the **Matrix Options** on the **Purchase Order** tab, the following **Matrix Distribution Entry** screen is displayed.



The grid in the upper part of the screen displays the quantities of the item per Matrix Codes pair, with the **Category 1 Matrix Codes** placed horizontally across the top of the grid and the **Category 2 Matrix Codes** placed vertically. The Codes are highlighted with corresponding colors. Note that text and background colors of the cells can be set to either of corresponding Category's code colors, in the **Matrix Options** program.



Clicking in a cell in the grid selects the Lot Number corresponding to the selected Matrix Codes pair, both in the **Lot Number** field and the Lot Numbers list.

You can navigate between cells in the grid using the Arrow keys. PageUp selects the first, and PageDown the last cell in the current column; Home selects the first, and End the last cell in the current row.

In addition to the fields of the standard screen (in the lower part), there are options for the grid. The values are defaulted to the settings on the Purchase Order tab of the Matrix Options program, but can be changed for the current order.

Enter Grid column Width. Each column in the matrix distribution grid will have the entered width.

From the **Enter quantities by** drop-down list, select Rows or Columns. This option specifies the direction of moving the cursor in the Grid when entering quantities. You can choose to enter all the quantities in the first row, and then move to the second, and so on (by Rows). The cursor moves to the next cell when accepting the quantity entered in the cell of current row. If you want to enter all the quantities in the first column, then in the second, and so on, select the Columns option. In this case, the cursor moves down, when accepting the quantity.

From the Construct Grid by only existing drop-down list, select Lot Numbers to display only the selected item's Matrix Codes for which Lot Numbers (they are listed on the Lot Numbers List) already exist. Select Matrix Codes to display all Matrix Codes for the selected item from the Matrix Code Maintenance.

In the Show Quantities section, check the boxes corresponding to the quantities to be displayed in the matrix distribution grid. **Quantities On Hand**, **Available**, and **Distributed** can be selected. Each cell of the grid will display the selected quantities, separated by slashes.

If the Allow only existing Matrix Codes box is checked in the Matrix Options program, then only Lot Numbers containing existing Matrix Codes are allowed to be entered. If the check box is cleared, you can enter Lot Numbers with new Matrix Codes (not entered in the Matrix Code Maintenance). If the Grid is constructed by Matrix Codes, the new Codes will not be displayed.

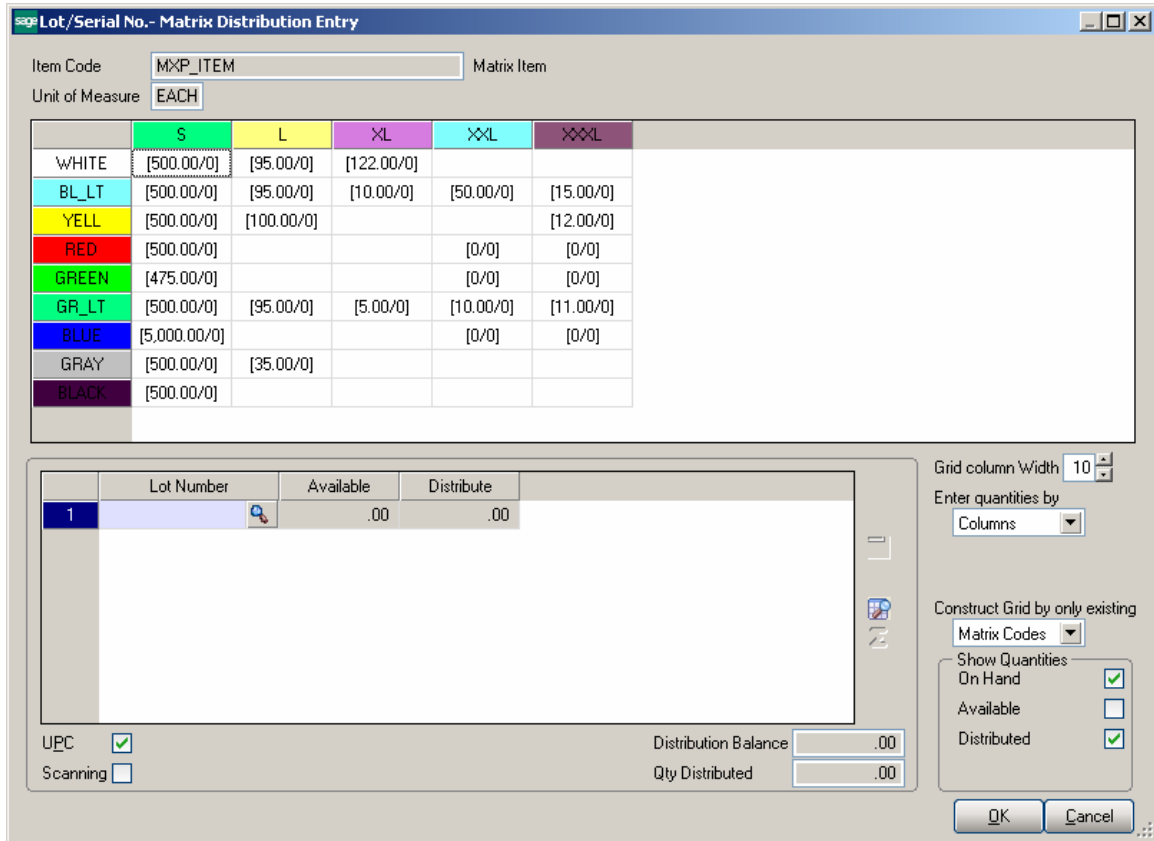
The **Distribution Balance** field displays the difference of Quantity Ordered and Quantity Distributed in the Matrix Distribution.

If the **Matrix Distribution Auto Popup in P/O Entry** box is cleared in the Matrix Options, the Quantity Distributed button is enabled only after entering the Quantity Ordered and the Matrix Distribution grid is auto popup upon moving the focus from the line.

Receipt of Goods

Select the Receipt of Goods program under the Purchase Order Main menu.

In the Lines tab, select a Matrix Item. If the Receipt of Goods box is checked in the Matrix Distribution in section of the Purchase Order tab on the Matrix Options screen, the following Matrix Distribution Entry screen is displayed instead of the standard Lot/Serial No. Distribution screen.



The **Matrix Distribution** screen is similar to the screen in the **Purchase Order Entry** program.

The grid in the upper part of the screen displays the quantities of the item per Matrix Codes pair, with the **Category 1 Matrix Codes** placed horizontally across the top of the grid and the **Category 2 Matrix Codes** placed vertically. The Codes are highlighted with the corresponding colors. Note that text and background colors of the cells can be set to correspond to either of Category’s code colors, in the **Matrix Options** program.

Clicking in a cell in the grid selects the Lot Number corresponding to the selected Matrix Codes pair, both in the **Lot Number** field and the Lot Numbers list.

If the Receipt of Goods is one-step (not based on a Purchase Order), or the line is newly added, the **Quantities Ordered** and **Received** are set equal to the **Quantity Distributed** in the **Matrix Distribution** screen.

The **Quantity Distributed** field is displayed only when **Quantity Received** is zero.

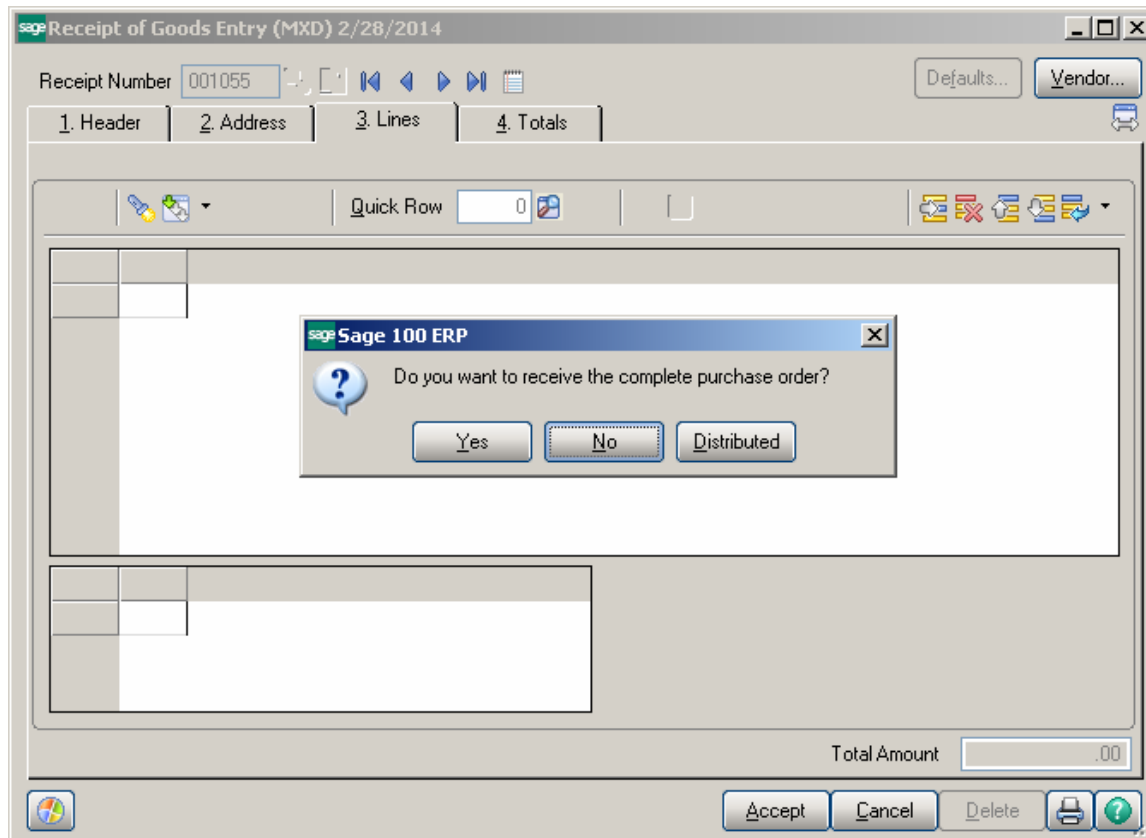
The **Quantity On PO** field displays the distributed quantities on Purchase Order.

The **Scanning** check box determines that the Lot Number field is being used for scanning UPC Codes. The corresponding Lot Number will be selected in the list and in the Grid. If the check box is cleared, the entered number is treated as regular Lot Number.

The **Scanning** sequence (++UPC++ by default) specified in the **UPC** section of **Matrix Options** program can be typed in the **Lot Number** field, or scanned with bar code scanner to switch the UPC Code Scanning mode.

The **UPC** box is checked by default with the **UPC Code** field enabled to allow for entry of a UPC Code for the selected/entered Lot Number, which don't have UPC Code specified in the UPC Code Maintenance.

If the **Receipt of Goods** is based on a Purchase Order a message is popup on the Lines tab of the Receipt of Goods Entry allowing the user to receive the quantities distributed in the PO, all the quantities regardless distribution or don't receive any:
Here is an example of **Purchase Order-> Receipt** processing:



The following message is appeared in the Receipt of Goods Lines tab when the Order is received.

If **Yes** is selected all the quantities ordered will be received entirely, with the quantity received equal to the quantity **Ordered**.

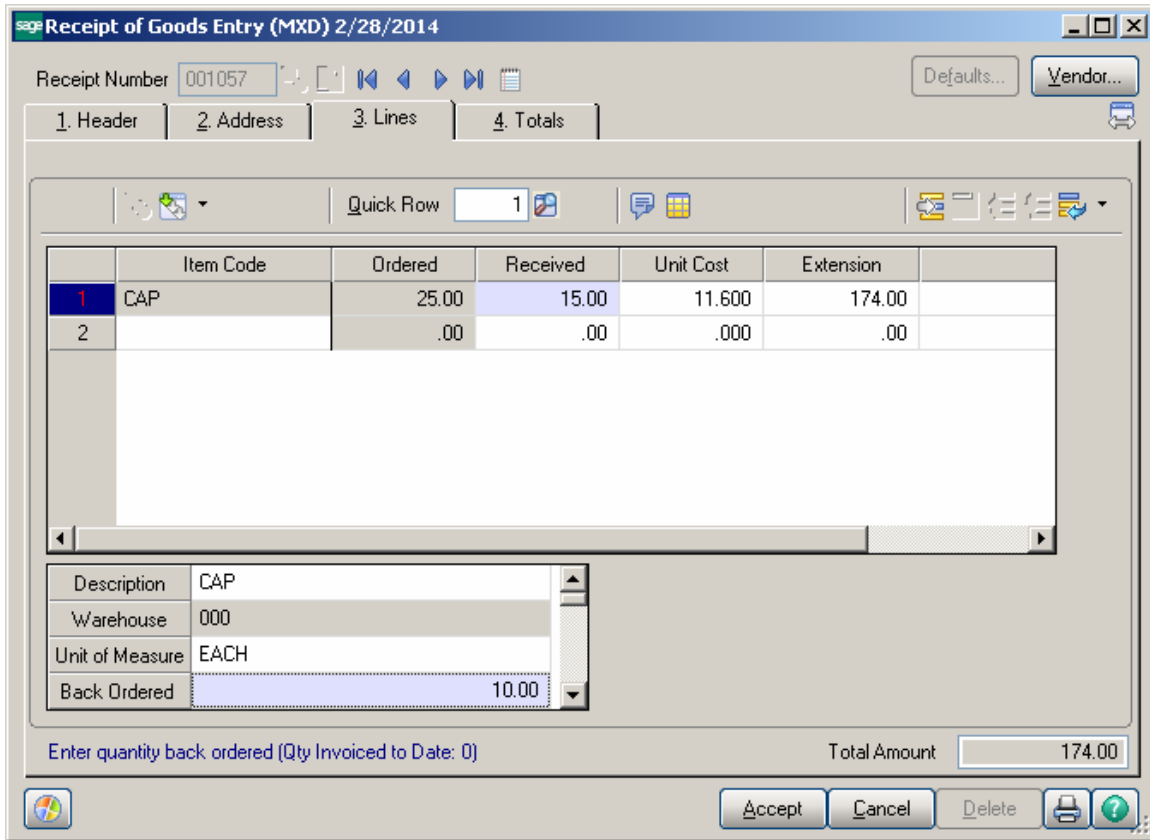
In this case the matrix item distribution is carried over from the Purchase Order to the Receipt. If the entire quantity distributed in the Purchase Order is not received, and the distribution of the Order is changed in the Receipt entry so that to back order the quantities from the same Matrix/Lots; the Purchase Order distribution is retained in the back order generated during the Daily Receipt/Registers update.

Note: The Purchase Order distribution is not retained in the Back Order, generated during Daily Receipt/Registers update, in the following cases:

- *If the quantity to be placed on back order is not equal to the "Qty Ordered - Qty Received".*
- *If there is even a quantity back ordered from a Matrix/Lot other than the ones distributed in the Purchase Order.*

When **No** is selected the Purchase Order lines are loaded in the grid with 0 quantity received.

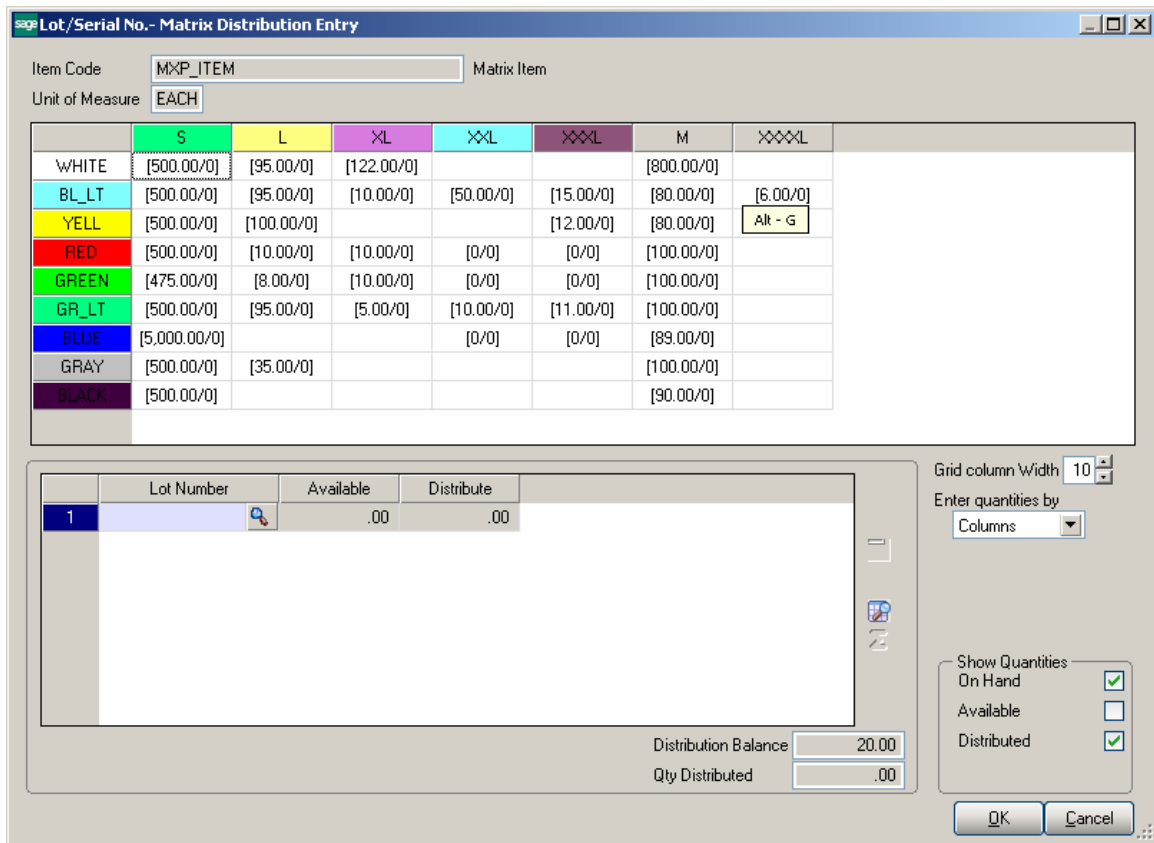
Selecting **Distributed** will load the lines of PO with the **Quantity Received** set equal to the quantities distributed in the Purchase Order and the quantities not distributed in the PO will be set as Backordered Quantity.



Return of Goods Entry

Select the **Return of Goods Entry** program under the Mat. Req/Return menu.

In the Lines tab, select a Matrix Item. If the Return of Goods box is checked in the Matrix Distribution in section of the Purchase Order tab on the Matrix Options screen, the following Matrix Distribution Entry screen is displayed instead of the standard Lot/Serial No. Distribution screen.



The **Matrix Distribution** screen is similar to the screen in the **Purchase Order Entry** program.

If the **Return Of Goods** is generated through the **RMA Generate Transactions** program the distribution is transferred from the RMA Receipt Entry with the **Quantity Returned** set equal to the **Quantity Distributed**.

*Note: If the **Summarize Multiple Items** checkbox is selected on the **Generate Transactions** screen the Matrix Item distribution will not be transferred to the generated Return of Goods from the **RMA Receipts Entry**.*

When running the **Return Order Register/Update** program checking is performed by **Qty On Hand** and error log is printed to prevent the user from updating the journal if the total **Qty Returned** for some lot number by Warehouse exceeds the **Qty On Hand** for it.

Sales Order Entry

Select the **Sales Order Entry** program under the **Sales Order Main** menu.

The Matrix Distribution is allowed only for Standard, Back Orders and Quotes if the Price Quote checkbox is selected in the Matrix Options.

Note: The Matrix Processing enhancement doesn't support selling a specific size and color on a Drop Ship lines of a sales order.

On the Lines tab enter a matrix item.

The screenshot displays the Sage Sales Order Entry (MXD) 2/28/2014 window. The 'Lines' tab is active, showing a table with the following data:

Item Code	Ordered	Back Ordered	Unit Price	Extension
MXP_ITEM	10.00	.00	65.000	650.00
	.00	.00	.000	.00

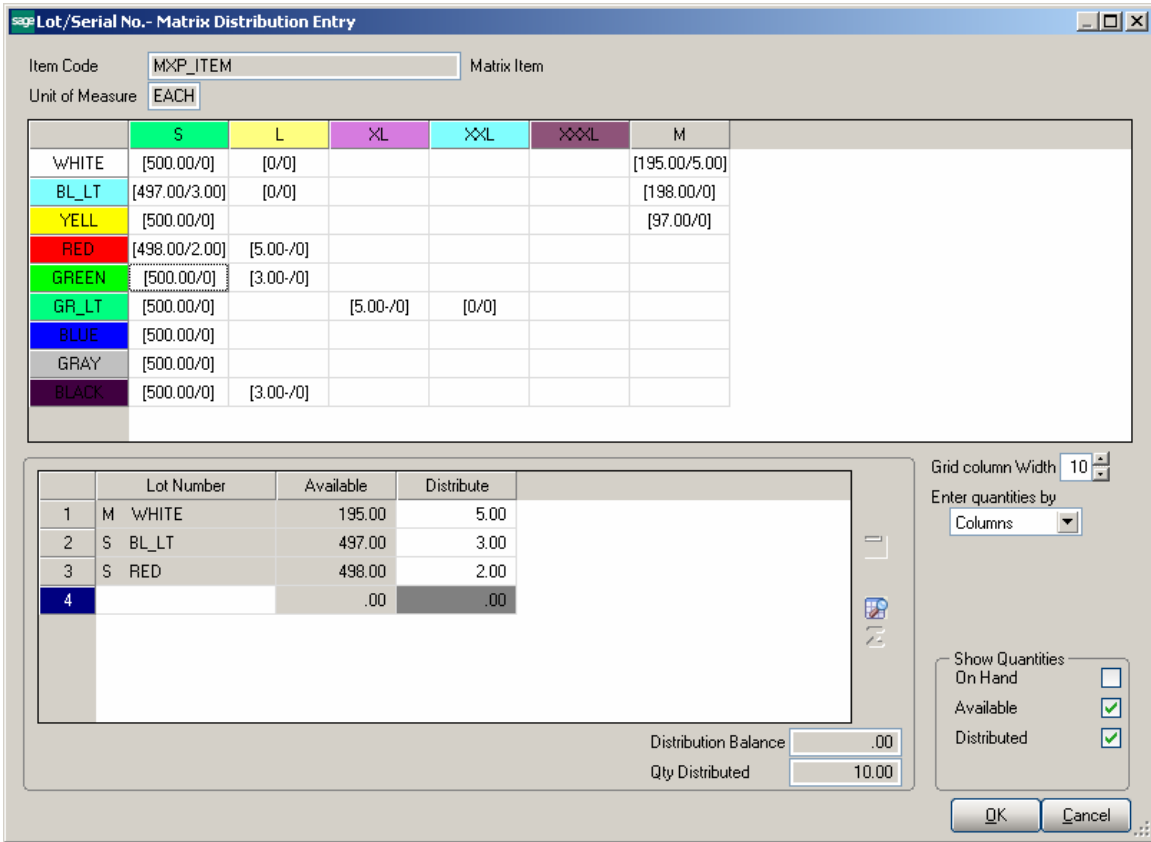
Below the table, there are checkboxes for 'Drop Ship', 'Commissionable', and 'Subj to Exempt'. The 'Total Amount' is 650.00. The window also shows a 'Quick Row' field set to 1 and a 'Lot/Serial Distribution, Alt-Y' tooltip over the table header.

The quantity should be distributed in the **Matrix Distribution** screen, which is similar to the screen in the **Receipt of Goods** program.

Click the **Lot/Serial Distribution** button for the line with matrix item to open the **Matrix Distribution** screen.

If the **Matrix Distribution Auto Popup in S/O Entry** box is checked in the Options, the distribution screen is automatically popup when focus falls into the Ordered field.

If a UPC Code is scanned, when the focus is in the **Item Code** field, the program checks if the scanned UPC code is assigned to any Lot Number of the selected item, and auto distributes by that lot number.



The **Distribution Balance** field displays the difference of **Quantity Ordered** of the Order and **Quantity Distributed** in the Matrix Distribution.

If the **Matrix Distribution Auto Popup in S/O Entry** box is checked on the **Sales Order** tab of the **Matrix Options** screen, the **Quantity Distributed** field displays the sum of the quantities of all the distributed Lots. In this case, the **Quantity Ordered** of the Order is set equal to the **Quantity Distributed** when closing the **Matrix Distribution** screen.

If the **Matrix Distribution in Price Quote** box is checked in the **Matrix Options**, the distribution for Matrix items is also available for Price Quote Sales Orders.

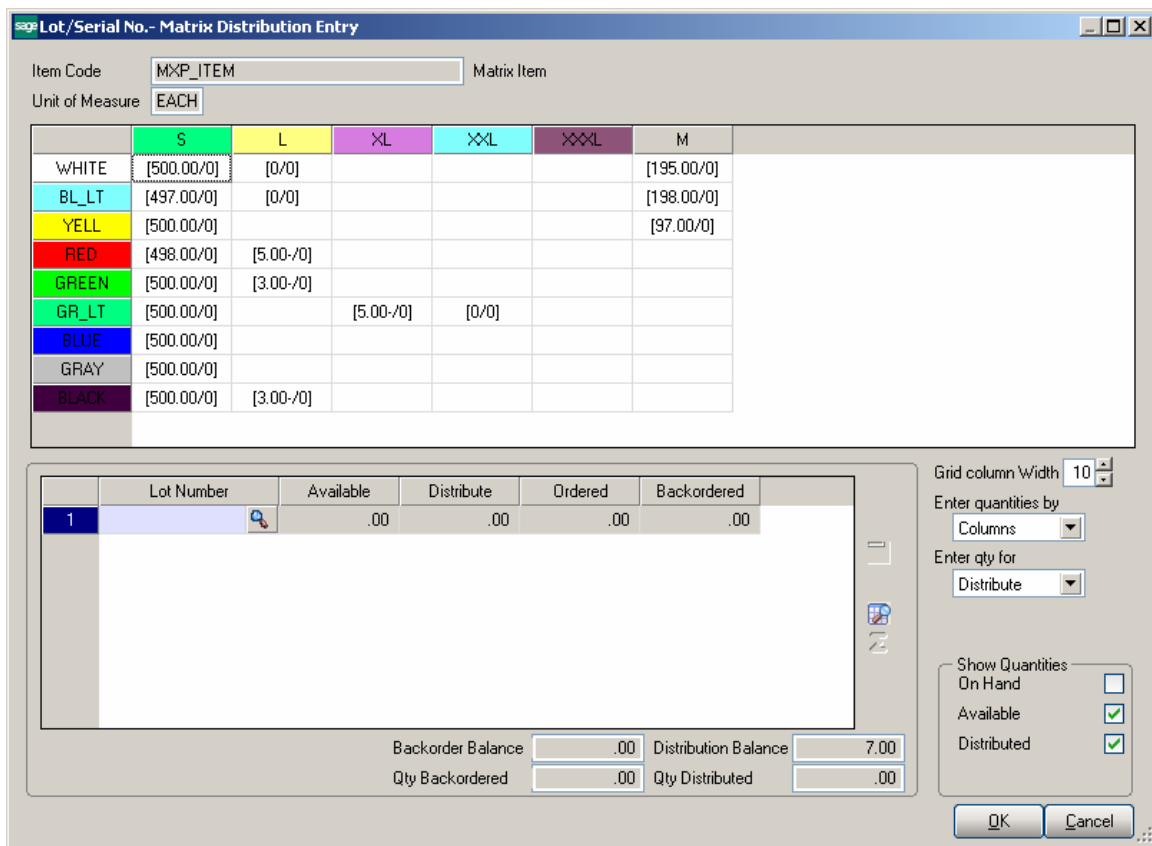
Matrix distribution entered for the Price Quote is preserved when converting to Standard Order.

S/O Invoice Data Entry

Select the **Invoice Data Entry** program under the Sales Order Main menu.

In the Lines tab, select a Matrix Item. Enter the Quantities, and click OK. If the Invoice Data Entry box is checked in the Matrix Distribution in section of the Sales Order tab on the Matrix Options screen, the following Matrix Distribution Entry screen is displayed instead of the standard Lot/Serial No. Distribution screen.

The **Matrix Distribution** screen is a little different from the distribution screen opened in the Sales Order Entry program.



The grid in the upper part of the screen displays the quantities of the item per Matrix Codes pair, with the Category 1 Matrix Codes placed horizontally across the top of the grid and the Category 2 Matrix Codes placed vertically. The Codes are highlighted with the corresponding colors. Note that text and background colors of the cells can be set to correspond to either of Category's code colors, in the Matrix Options program.

Clicking in a cell in the grid selects the Lot Number corresponding to the selected Matrix Codes pair, both in the **Lot Number** field and the Lot Numbers list.

The following keyboard shortcuts can be used in the **Matrix Distribution** screen:

Use Alt+G to go to the cell in the grid corresponding to the selected Lot Number. If no Lot Number is selected, focus is set to the first cell of the grid.

You can navigate between cells in the grid using the Arrow keys. PageUp selects the first, and PageDown the last cell in the current column; Home selects the first, and End the last cell in the current row.

In addition to the fields of the standard screen (in the lower part), there are options for the grid. The values are defaulted to the settings on the **Sales Order** tab of the **Matrix Options** program, but can be changed for the current invoice.

From the **Enter quantities by** drop-down list, select **Rows** or **Columns**. This option specifies the direction of moving the selection in the Grid when entering quantities. You can choose to enter all the quantities in the first row, then move to the second, and so on (by **Rows**). The selection moves to the left, when accepting the quantity. If you want to enter all the quantities in the first column, then in the second, and so on, select the **Columns** option. In this case, the selection moves down, when accepting the quantity.

From the **Enter Qty for** drop-down list select **Distribute** or **Backordered**. This option indicates the entry parameter for the distribution grid. If **Distribute** is selected the number entered in the grid is treated as the Qty Distributed. If Backordered is selected it will be treated as the Qty Backordered.

There is also an option provided in the grid for easily entering the Distribute and Backorder quantities for a matrix lot at once. It is necessary to enter corresponding numbers separated by slash (e.g 2/3) in the distribution grid and the Lot Number line with respective Distributed/Backordered quantities will be added in the below list.

Enter **Grid column Width**. Each column in the matrix distribution grid will have the entered width.

The Matrix Grid is automatically resized upon changing the size of Matrix Distribution screen.

In the **Show Quantities** section, check the boxes corresponding to the quantities to be displayed in the matrix distribution grid. Quantities **On Hand**, **Available**, and **Distributed** can be selected. Each cell of the grid will display the selected quantities, separated by slashes.

If a UPC Code is scanned (entered) while the focus is in the **Item Code** field, the program checks if the scanned UPC code is assigned to any Lot Number of the selected item, and distributes automatically by that Lot number.

If Invoice is created for a Sales Order with **Auto Generate Invoice Selection** program, the distribution of the order is transferred to the invoice.

Backorder Processing for Matrix Lots

The Backorder functionality for Matrix Lots has been provided in the **Invoice Data Entry**. In case the Sales Order is partially shipped the backorder quantities for the Matrix Lots being backordered should be entered in the corresponding **Backordered** field on the Matrix distribution screen.

The Backorder quantity may be entered manually as well as calculated automatically upon entering the Distributed quantity. Upon entering the distributed quantity backordered quantity is automatically calculated as follows: “Qty Ordered – Qty Distributed”.

Item Code: MXP_ITEM Matrix Item
Unit of Measure: EACH

	S	L	XL	XXL	XXXL	M
WHITE	[500.00/0]	[0/0]				[195.00/3.00]
BL_LT	[497.00/1.00]	[0/0]				[198.00/0]
YELL	[500.00/0]					[97.00/0]
RED	[498.00/2.00]	[5.00-/0]				
GREEN	[500.00/0]	[3.00-/0]				
GR_LT	[500.00/0]		[5.00-/0]	[0/0]		
BLUE	[500.00/0]					
GRAY	[500.00/0]					
BLACK	[500.00/0]	[3.00-/0]				

Lot Number	Available	Distribute	Ordered	Backordered
1 M WHITE	195.00	3.00	5.00	2.00
2 S BL_LT	497.00	1.00	3.00	2.00
3 S RED	498.00	2.00	2.00	.00
4	.00	.00	.00	.00

Backorder Balance: .00 Distribution Balance: .00
Qty Backordered: 4.00 Qty Distributed: 6.00

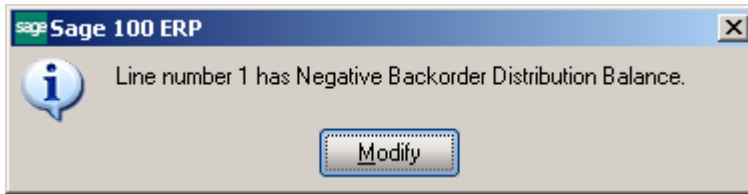
Distribute- quantities distributed for current Lot Number.

Ordered- displays the quantity ordered for current Lot Number and can only be viewed.

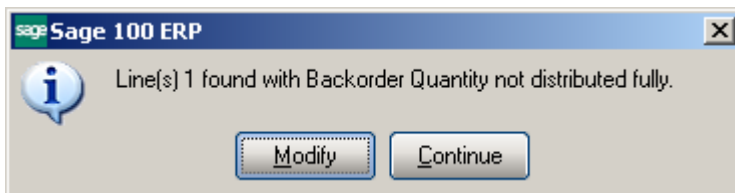
Backordered – allows for entry of the Lot Number quantities to be backordered.

Backorder Balance- this field displays a running total of the remaining backorder quantity to distribute, and can only be viewed.

The user will not be able to **Accept** the Invoice and a message will popup in case the Backordered quantity entered in the Distribution grid is greater than the Backorder Qty on the Invoice line resulting in Negative Backorder Distribution Balance.



The user is allowed accepting the Invoice in case the Back Order Balance is not 0, that is there are Back Order quantities remaining to distribute.



Selecting **Continue** allows the user to accept the Invoice entry. In this case no distribution is carried over to the backorder generated in a result of Sales journal update. The Distribution should be done in the Sales Order entry.

Qty Backordered- this field displays the total of backordered quantity distributed by Lot Numbers.

Here is an example of Backorder created in a result of Sales Journal Update when the Order is partially shipped with the Sales Order Matrix Lot distribution preserved:

The screenshot shows two SAP windows. The top window is 'Sales Order Entry (MXD) 2/28/2014' with Order Number 0000222. The bottom window is 'Lot/Serial No.- Matrix Distribution Entry' for Item Code MXP_ITEM and Unit of Measure EACH. It displays a matrix of sizes and colors with their respective prices and quantities.

	S	L	XL	XXL	XXXL	M
WHITE	[500.00/0]	[0/0]				[195.00/2.00]
BL_LT	[497.00/2.00]	[0/0]				[198.00/0]
YELL	[500.00/0]					[97.00/0]
RED	[498.00/0]	[5.00-/0]				
GREEN	[500.00/0]	[3.00-/0]				
GR_LT	[500.00/0]		[5.00-/0]	[0/0]		
BLUE	[500.00/0]					
GRAY	[500.00/0]					
BLACK	[500.00/0]	[3.00-/0]				

	Lot Number	Available	Distribute
1	M WHITE	195.00	2.00
2	S BL_LT	497.00	2.00
3		.00	.00

Grid column Width: 10
 Enter quantities by: Columns
 Show Quantities: On Hand , Available , Distributed
 Distribution Balance: .00
 Qty Distributed: 4.00

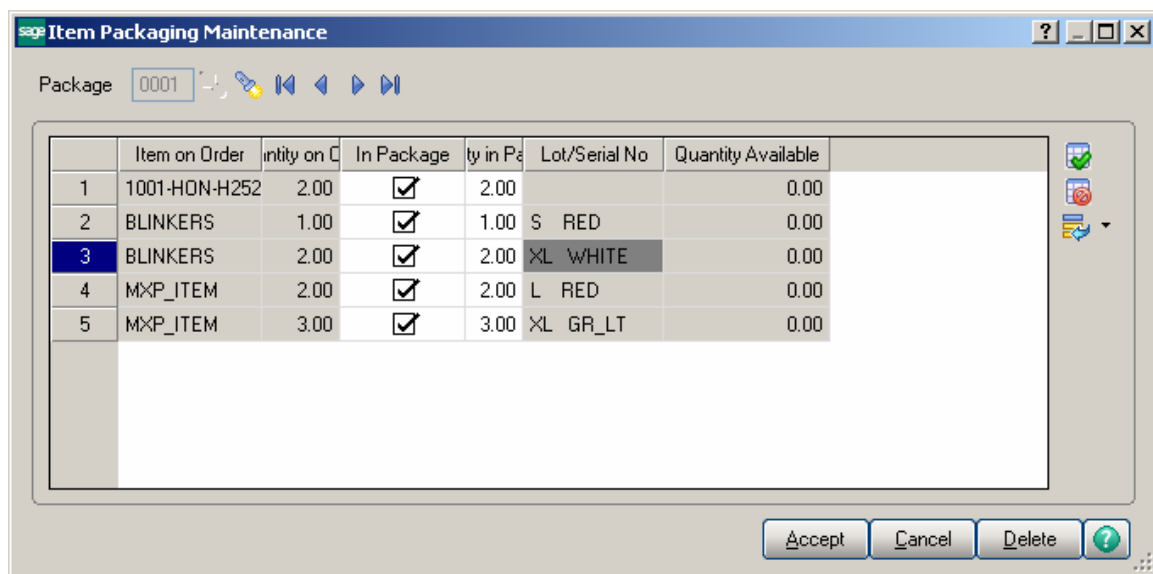
The distribution in the created backorder is done based on the backordered quantities entered in the Invoice Matrix Distribution screen.

Shipping Data Entry

The Matrix Distribution screen for the **Shipping Data Entry** program under the **Sales Order Shipping** menu is the same as in the **Invoice Data Entry** program.

If a UPC Code is scanned (entered) while the focus is in the **Lot Number** field, the program checks if the code is assigned to any Lot Number of the selected item, and substitutes with corresponding Lot Number.

In the **Item Packaging Maintenance** the Matrix Items can be added to the package(s) by the distributed Lot/Serial No quantities.



The screenshot shows the 'sage Item Packaging Maintenance' window. At the top, there is a 'Package' field containing '0001' and navigation buttons. Below this is a table with the following columns: Item on Order, Intity on C, In Package, ty in Pa, Lot/Serial No, and Quantity Available. The table contains five rows of data, with the third row highlighted in blue.

	Item on Order	Intity on C	In Package	ty in Pa	Lot/Serial No	Quantity Available
1	1001-HON-H252	2.00	<input checked="" type="checkbox"/>	2.00		0.00
2	BLINKERS	1.00	<input checked="" type="checkbox"/>	1.00	S RED	0.00
3	BLINKERS	2.00	<input checked="" type="checkbox"/>	2.00	XL WHITE	0.00
4	MXP_ITEM	2.00	<input checked="" type="checkbox"/>	2.00	L RED	0.00
5	MXP_ITEM	3.00	<input checked="" type="checkbox"/>	3.00	XL GR_LT	0.00

At the bottom of the window, there are buttons for 'Accept', 'Cancel', 'Delete', and a help icon.

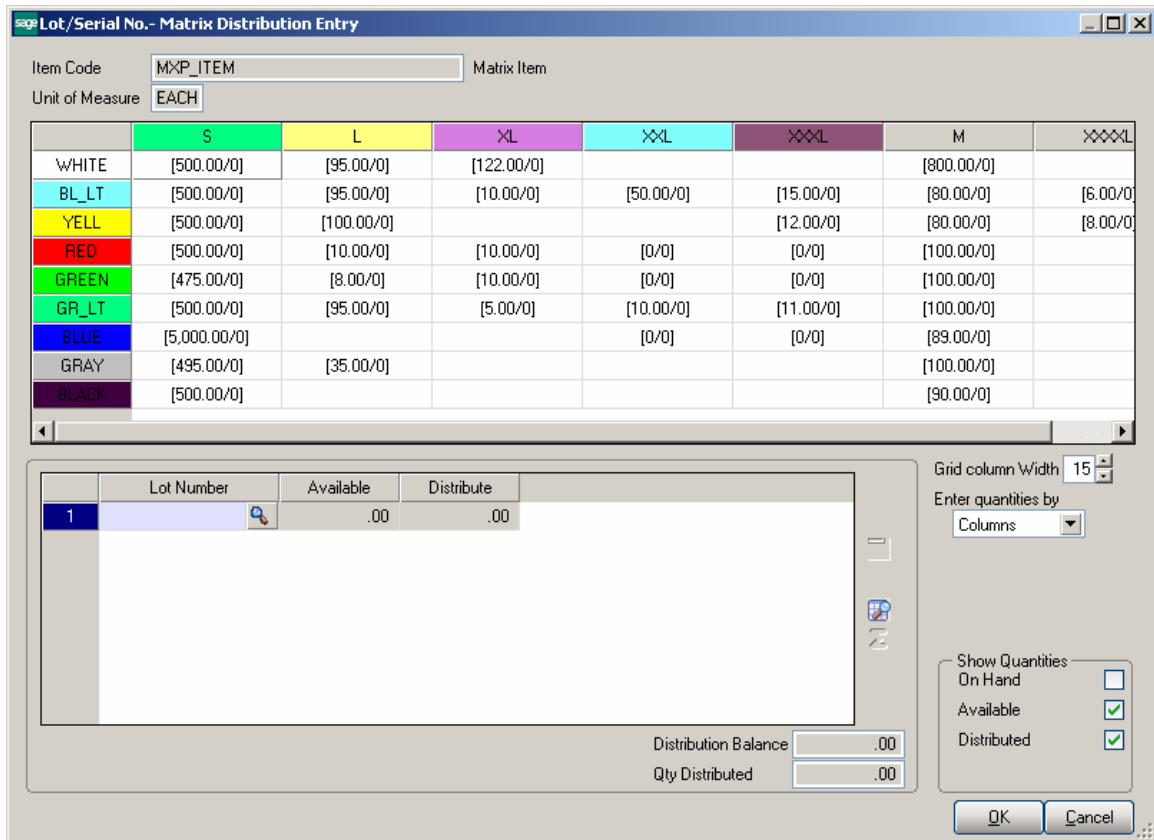
Inventory Transaction Entry

Select the **Transaction Entry** program under the **Inventory Management Main** menu.

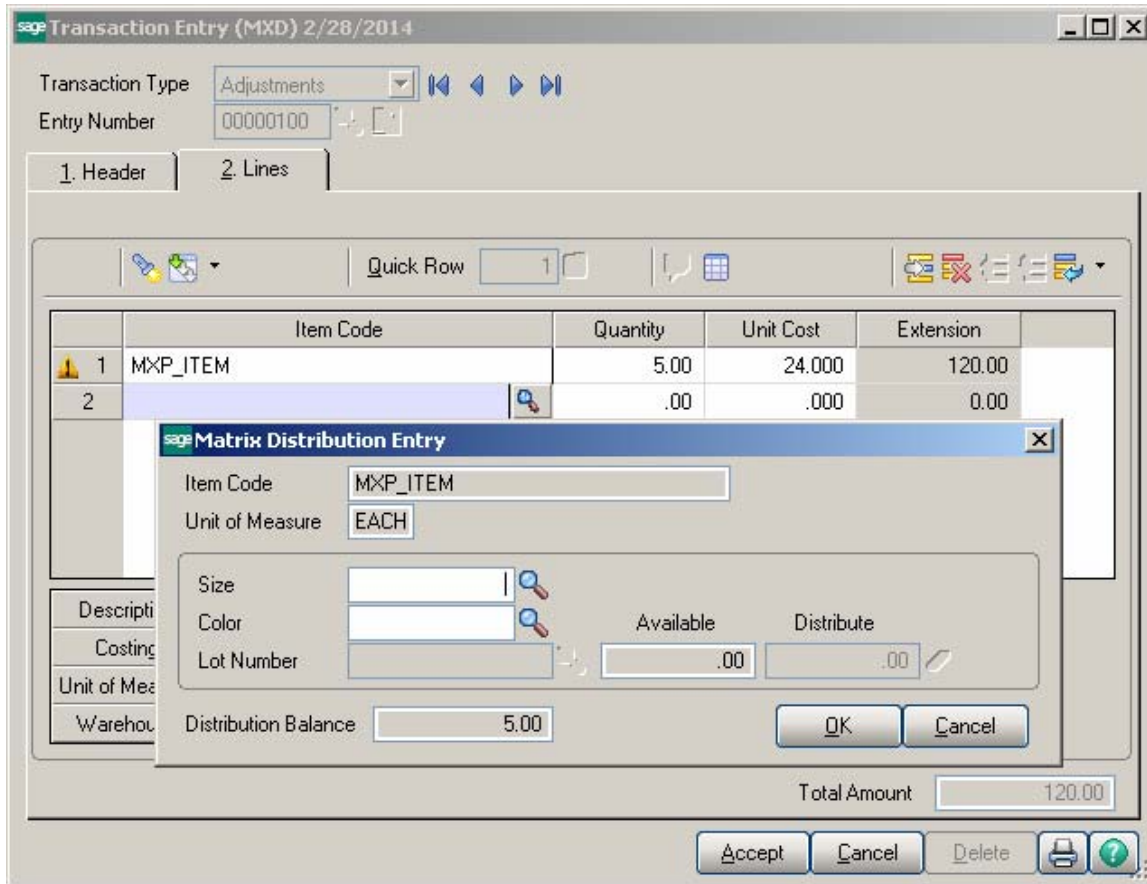
The Matrix Distribution screen is the same for Sales, Transfers, and Receipts transaction Types.

In the Lines tab, select a Matrix Item. If the Inventory Transaction Entry box is checked in the Matrix Distribution in section of the Inventory tab on the Matrix Options screen, the following Matrix Distribution Entry screen is displayed instead of the standard Lot/Serial No. Distribution screen.

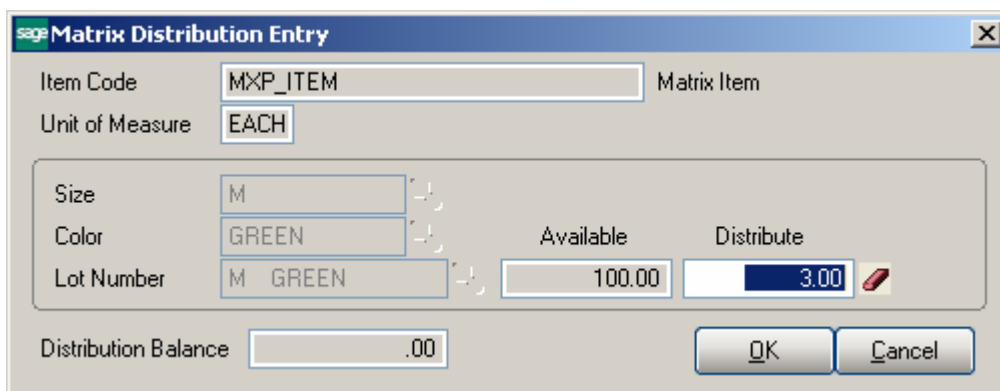
The Matrix Distribution screen is similar to the screen in the Sales Order Entry program.



For **Adjustment Transaction** the Matrix Distribution Entry is opened allowing the user to specify the Lot Number/Matrix Codes for the line item being adjusted.



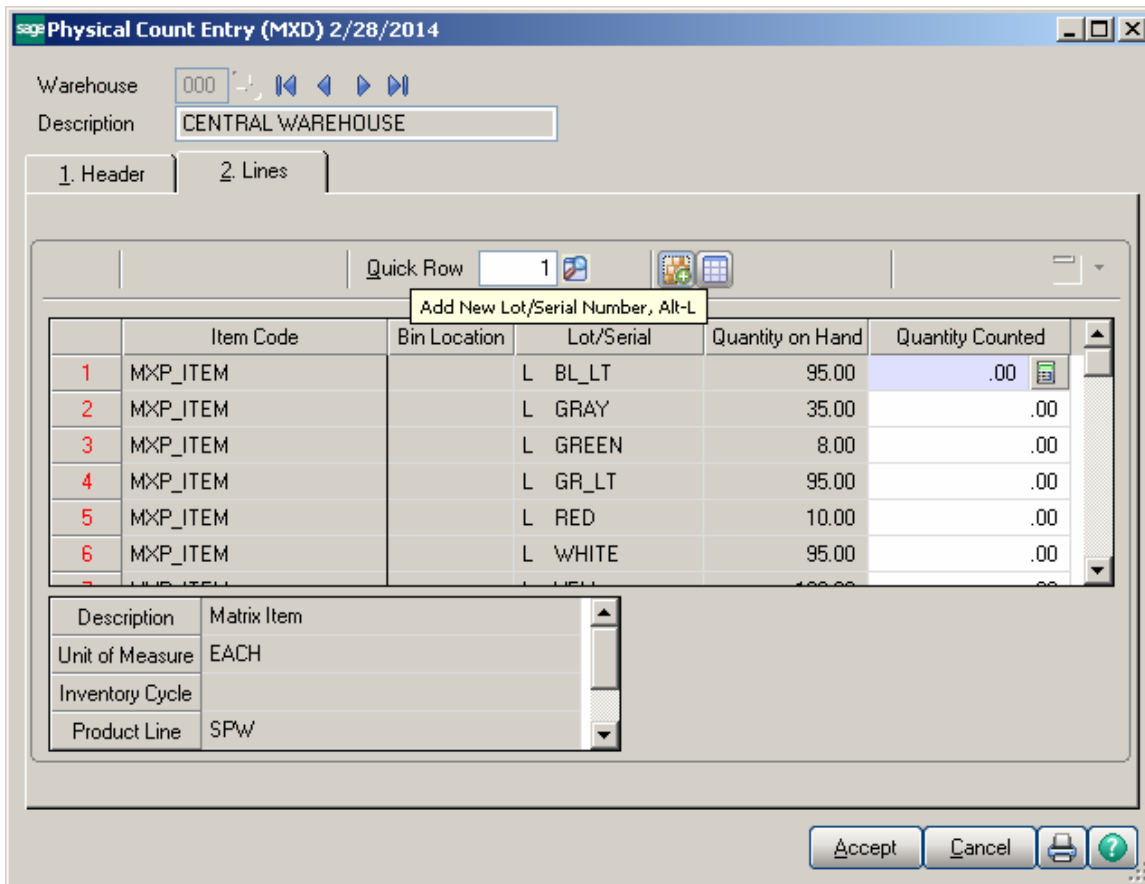
The user may select the Size and Color code to create the Lot Number automatically or specify an existing Lot Number.



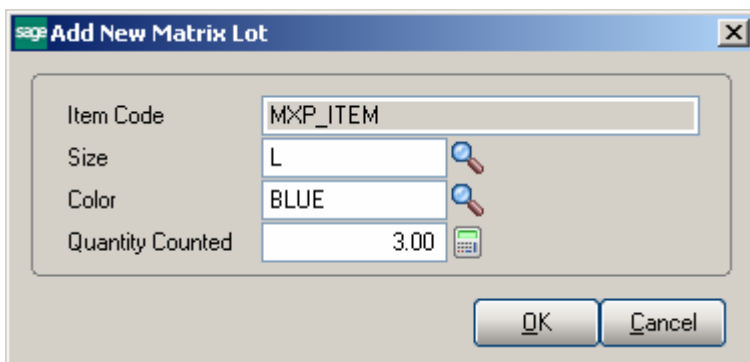
During the Transaction Register update checking is performed by the Matrix item Lot Committed Qty by warehouse and error log is printed to prevent the user from updating transaction journal if the Qty Committed in the *I/M Transactions for some lot number by Warehouse exceeds the Qty On Hand* for it.

Physical Count Entry

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



On the **Lines** tab, clicking the **Add New Lot/Serial** button for Matrix Item displays the following screen instead of the standard:

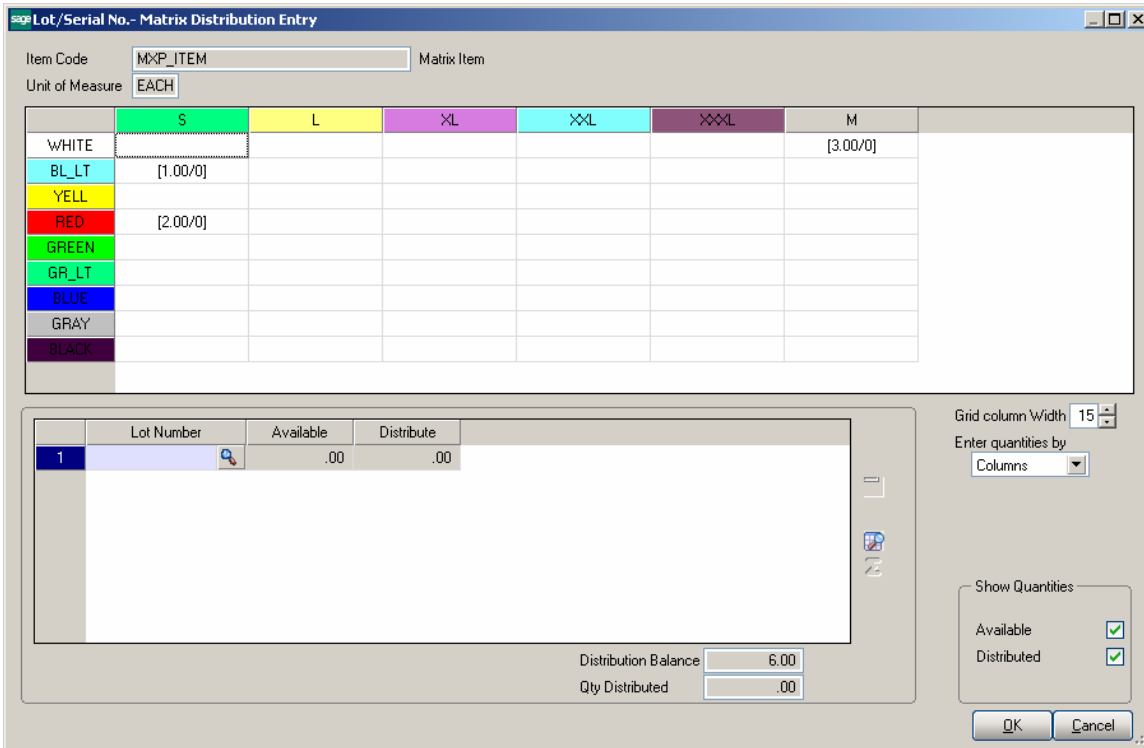


Enter Codes of the first and second Categories, which descriptions are displayed. You can enter new Matrix Codes, or enter/select existing Matrix Code from the lookup.

RMA Data and RMA Receipts Entry

In the **RMA Data Entry** and **RMA Receipts Entry** programs under the **Return Merchandise Authorization Main** menu, if the selected item in the **Lines** tab is a Matrix Item, the **Matrix Distribution** screen will be displayed for the line, instead of the standard Lot/Serial Distribution screen.

The Matrix Distribution screen for the **RMA Entry** programs is like the one in the **Invoice Data Entry** program.



The **Available** Quantities are the quantities available for Return for the selected Customer.

Production Entry

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

The screenshot shows the Sage Production Entry (MXD) 2/28/2014 window. The window title is "sage Production Entry (MXD) 2/28/2014". The "Production Number" field contains "0000013". The "Production Date" is "2/28/2014". The "Bill Number" is "MXP_ITEM" and the "Bill Type" is "Standard". The "Revision" is "000", "Option Code" is empty, "Quantity" is "1.00", and "Unit of Measure" is "EACH". The "Parent Warehouse" and "Component Warehouse" are both "000" and "CENTRAL WAREHOUSE". The "Explode Sub-Assemblies" checkbox is unchecked. The "Matrix" button is highlighted with a blue box, and the "Auto Distribute Lines" checkbox is checked. The bottom of the window has "Accept", "Cancel", "Delete", and help icons.

To distribute to **Lot Numbers** for Matrix Bill, click the **Matrix** button on the lines tab to open the **Matrix Distribution** screen. This button is not available for non-matrix component items.

The **Matrix** button allows for the selected Bill Number distribution:

Lot/Serial No.- Matrix Distribution Entry

Item Code: MXP_ITEM Matrix Item
 Unit of Measure: EACH

	S	L	XL	XXL	XXXL	M	XXXXL
WHITE	[500.00/0]	[95.00/0]	[122.00/0]			[800.00/0]	
BL_LT	[500.00/0]	[95.00/0]	[10.00/0]	[50.00/0]	[15.00/0]	[80.00/0]	[6.00/0]
YELL	[500.00/0]	[100.00/0]			[12.00/0]	[80.00/0]	[8.00/0]
RED	[500.00/0]	[10.00/0]	[10.00/0]	[0/0]	[0/0]	[100.00/0]	
GREEN	[475.00/0]	[8.00/0]	[10.00/1.00]	[0/0]	[0/0]	[100.00/0]	
GR_LT	[500.00/0]	[95.00/0]	[5.00/0]	[10.00/0]	[11.00/0]	[100.00/0]	
BLUE	[5,000.00/0]			[0/0]	[0/0]	[89.00/0]	
GRAY	[495.00/0]	[35.00/0]				[100.00/0]	
BLACK	[500.00/0]					[90.00/0]	

	Lot Number	Available	Distribute
1	XL GREEN	10.00	1.00
2		.00	.00

Distribution Balance: .00
 Qty Distributed: 1.00

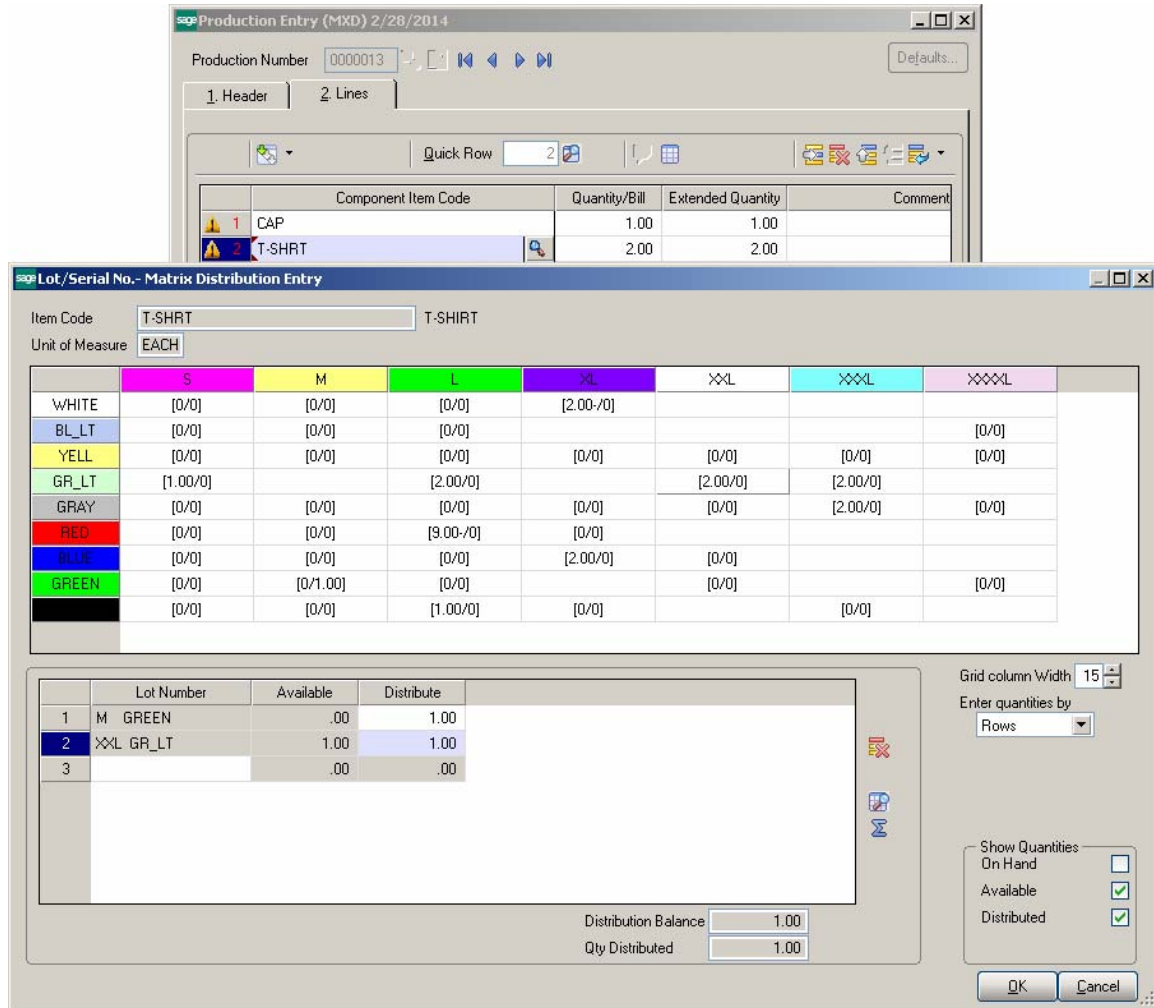
Grid column Width: 15
 Enter quantities by: Rows

Show Quantities:
 On Hand:
 Available:
 Distributed:

OK Cancel

The **Auto Distribute Lines** check box is available only if the **Auto Distribute Lines** is selected in the **Matrix Options**. Check the **Auto Distribute Lines** box to use the Header Bill Matrix distribution for the distribution of the Lines Matrix items.

The Auto Distribution will be done only when entering new **Production Entry**, to the maximum quantity available for distribution in the Lines Matrix items.



If a component in the **Lines** tab is a **Matrix Item**, the **Matrix Distribution** screen will be displayed for the line.

The **Matrix Distribution** screen for the **Production Entry** program is the same as in the **Sales Order Entry** program.

Disassembly Entry

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

The screenshot shows the Sage Disassembly Entry (MXD) 2/28/2014 window. The window title is "sage Disassembly Entry (MXD) 2/28/2014". The interface includes a "Disassembly Number" field with the value "0000002" and a "Disassembly Date" field with the value "2/28/2014". A "Distribute..." button is located to the right of the date field. Below these are fields for "Bill Number" (MXP_ITEM), "Bill Type" (Standard), "Revision" (000), "Option Code", "Quantity" (1.00), and "Unit of Measure" (EACH). Further down are "Parent Warehouse" (000), "Component Warehouse" (000), "Disassembly Type" (Produced Item), and an "Explode Sub-Assemblies" checkbox. The bottom of the window has "Accept", "Cancel", "Delete", and help icons.

The **Distribute** button opens the Matrix Distribution grid for the selected Bill Number.

Lot/Serial No.- Matrix Distribution Entry

Item Code: MXP_ITEM Matrix Item
 Unit of Measure: EACH

	S	L	XL	XXL	XXXL	M	XXXXL
WHITE	[500.00/0]	[95.00/0]	[122.00/0]			[800.00/0]	
BL_LT	[500.00/0]	[95.00/0]	[10.00/0]	[50.00/0]	[15.00/0]	[80.00/0]	[6.00/0]
YELL	[500.00/0]	[100.00/0]			[12.00/0]	[80.00/0]	[8.00/0]
RED	[500.00/0]	[10.00/0]	[10.00/0]	[0/0]	[0/0]	[100.00/0]	
GREEN	[475.00/0]	[8.00/0]	[9.00/1.00]	[0/0]	[0/0]	[100.00/0]	
GR_LT	[500.00/0]	[95.00/0]	[5.00/0]	[10.00/0]	[11.00/0]	[100.00/0]	
BLUE	[5,000.00/0]			[0/0]	[0/0]	[89.00/0]	
GRAY	[495.00/0]	[35.00/0]				[100.00/0]	
BLACK	[500.00/0]					[90.00/0]	

	Lot Number	Available	Distribute
1	XL GREEN	9.00	1.00
2		.00	.00

Distribution Balance: .00
 Qty Distributed: 1.00

Grid column Width: 15
 Enter quantities by: Rows

Show Quantities:
 On Hand:
 Available:
 Distributed:

OK Cancel

The Matrix Distribution screen for the **Disassembly Entry** program is the same as in the **Production Entry** program.

Predefined Distribution in Bills

Bill of Materials Maintenance

The Predefined Distribution button has been added to the Lines tab of the Bill of Materials Maintenance.

It is only available for Matrix Component lines for Standard Type Matrix Bill items.

The screenshot displays the Sage Bill of Materials Maintenance (MXD) 2/28/2014 window. The 'Lines' tab is active, showing a table of component items. A tooltip 'Predefined Distribution - Alt+Y' is visible over the 'Predefined Distribution' button in the table's toolbar. Below the table, a details pane shows information for the selected 'T-SHIRT' component.

Line No.	Component Item Code	Revision	Step No.	Quantity/Bill	Cost
1	T-SHIRT			2.00	
2	CAP	*		1.00	
3	BOOTS-EJM876			2.00	
4				.00	

Description	T-SHIRT
Find No.	
Unit Of Measure	EACH
Cost Account	

Clicking the **Predefined Distribution** button opens the **Predefined Distribution Maintenance** screen for the selected component.

Bill Number: MXP_ITEM MXP

Item Code: T-SHIRT T-SHIRT

Bill Lot No.: L BLACK

	Component Lot Number	Quantity
1		.00

Balance: 2.00 Quantity: 2.00

Close

Select a **Bill Lot No.**, and distribute the **Quantity** displayed at the bottom of the screen to the **Component Lot Numbers**.



Distribution for the currently selected **Bill Lot Number** is displayed in the list.

It is recommended to make complete distribution for each selected **Bill Lot Number** (so that **Balance** at the bottom of the screen is zero), to use the **Predefined Distribution** feature effectively.

sage Predefined Distribution Maintenance

Bill Number: MXP

Item Code: T-SHIRT

Bill Lot No.:  

	Component Lot Number	Quantity
1	L BLACK	1.00
2	L WHITE	1.00
3		.00



Balance: Quantity:

While the first lookup of the **Bill Lot No.** lists all the Lot Numbers of the Bill Item, the second displays only already entered (distributed) Lots.

sage Predefined Distribution Maintenance

Bill Number: MXP

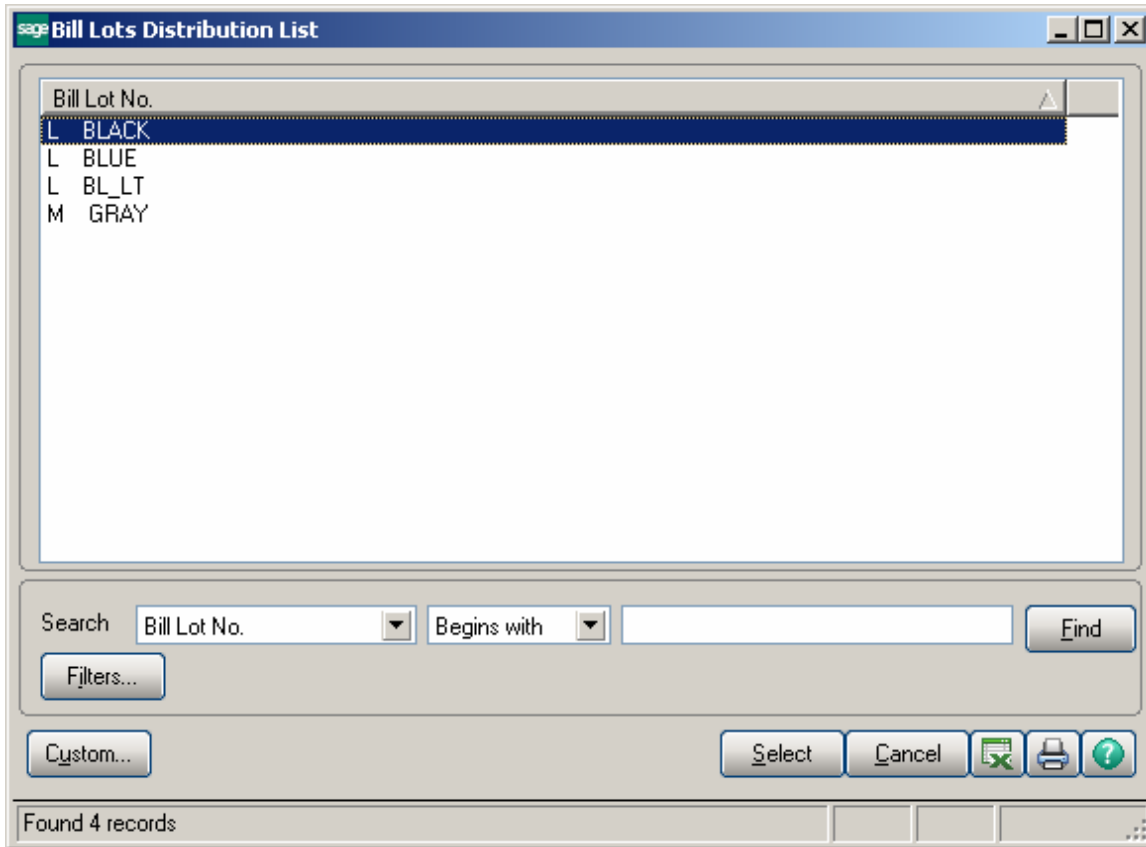
Item Code: T-SHIRT

Bill Lot No.  

Existing Bill Lots List

	Component Lot Number	Quantity
1	L BLACK	1.00
2	L WHITE	1.00
3		.00

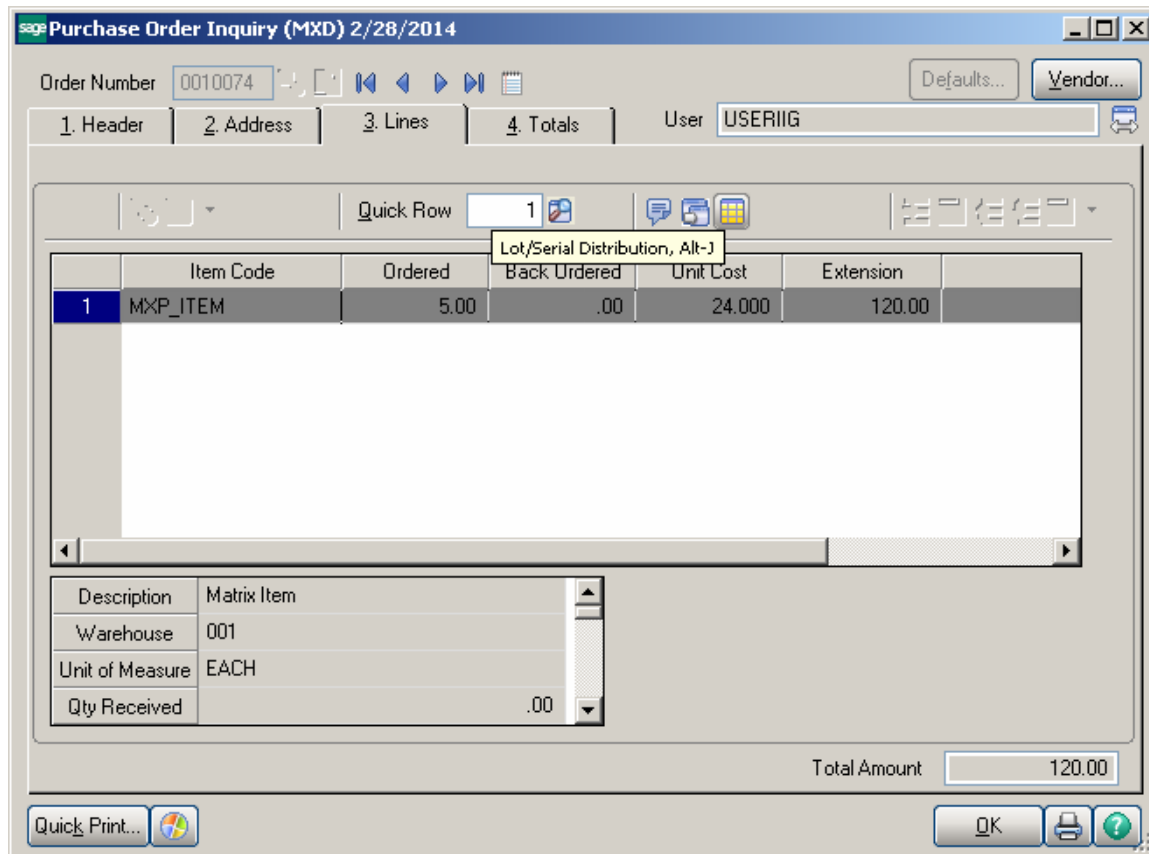
Balance: Quantity:



Inquiries

Purchase Order Inquiry

The **Lot/Serial Distribution** button on the **Lines** tab of the **Purchase Order Inquiry** screen displays the **Matrix Distribution Grid** for reviewing (display-only), when Matrix Item is selected.



Lot/Serial No.- Matrix Distribution Inquiry

Item Code: MXP_ITEM Matrix Item
 Unit of Measure: EACH

	S	L	XL	XXL	XXXL
WHITE	[500.00/0]	[0/0]			
BL_LT	[498.00/0]	[0/2.00]			
YELL	[500.00/0]				
RED	[498.00/0]	[3.00-/0]			
GREEN	[500.00/0]	[3.00-/0]			
GR_LT	[500.00/0]		[2.00-/0]	[0/0]	
BLUE	[500.00/0]				
GRAY	[500.00/0]				
BLACK	[500.00/0]	[2.00-/3.00]			

	Lot Number	Available	Distribute
1	L BLACK	3.00	3.00
2	L BL_LT	.00	2.00

Distribution Balance: .00
 Qty Distributed: 5.00

Grid column Width: 10
 Enter quantities by: Columns
 Construct Grid by only existing: Matrix Codes
 Show Quantities: On Hand
 Available
 Distributed

OK

The **Lot/Serial No Matrix Distribution Inquiry** is accessible also from Sales Order Inquiry.

Printings

Matrix Sales History Report

Select the **Matrix Sales History Report** program under the **Inventory Management Reports** menu.

The report has been added to print Sales History for Matrix Items.

Report Setting: STANDARD

Description: Matrix Sales History Report

Setting Options:

- Type: Public
- Print Report Settings:
- Number of Copies: 1
- Default Report:
- Three Hole Punch:
- Collated:

Calendar Years:

- All Years:
- Starting: 2014
- Ending: 2014
- Include Ship-to Detail:

Product Types to Print:

- All Types:
- Finished Goods:
- Raw Materials:
- Discontinued:

Procurement Types to Print:

- All Types:
- Make:
- Buy:
- Subcontract:
- Print Inactive Items:

Data to Print:

- Quantity Sold:
- Gross Profit Percent:
- Quantity Returned:
- Dollars Sold:
- Cost of Goods Sold:

Selections:

Select Field	Operand	Value
Item Code	All	
Product Line	All	
Primary Vendor Number	All	
Item Description	All	
Customer Number	All	
Year to Date Dollars Sold	All	

Adobe PDF

Keep Window Open After: Print Preview

Print Preview Setup

The selections are similar to the **Inventory Sales History Report**. In addition, Matrix Items can be filtered by two Categories specified in the Matrix Options program (Size and Color).

Inventory Sales by Matrix History Report
Year Equal To: 2014

MXDemo company (MXD)

Item Code	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Item Code												
MatrixItem	01-ABF American Business Futures											
Prod Line: SPW												
Prod Type: Finished Good												
UM: EACH												
Size M												
Color WHITE												
Customer Number:	01-ABF American Business Futures											
Quantity Sold:	0	3	0	0	0	0	0	0	0	0	0	0
Dollars Sold:	0	195	0	0	0	0	0	0	0	0	0	0
Gross Profit Percent:	0.00%	63.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Cost of Goods Sold:	0	72	0	0	0	0	0	0	0	0	0	0
Quantity Returned:	0	0	0	0	0	0	0	0	0	0	0	0
Size S												
Color BL LT												
Customer Number:	01-ABF American Business Futures											
Quantity Sold:	0	1	0	0	0	0	0	0	0	0	0	0
Dollars Sold:	0	65	0	0	0	0	0	0	0	0	0	0
Gross Profit Percent:	0.00%	63.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 150%

Matrix Stock Status Report

Select the **Matrix Stock Status Report** program under the **Inventory Management Reports** menu.

The report has been added to print Stock Status for Matrix Items.

Report Setting: STANDARD [Save]

Description: Matrix Stock Status Report (Grid)

Setting Options:

- Type: Public
- Print Report Settings:
- Number of Copies: 1
- Default Report:
- Three Hole Punch:
- Collated:

Sort Report By: Item Code

Options:

- Print Zero Balances:
- Include Qty on PO in Qty Available:

Product Types to Print:

- All Types:
- Finished Goods:
- Raw Materials:
- Discontinued:

Procurement Types to Print:

- All Types:
- Make:
- Buy:
- Subcontract:
- Print Inactive Items:

Selections:

Select Field	Operand	Value	
Warehouse	All		
Bin Location	All		
Matrix Size	Range	L	XL
Matrix Color	Range	GREEN	WHITE

Adobe PDF [Keep Window Open After] [Print] [Preview] [Print] [Preview] [Setup]

The selections are similar to the **Inventory Stock Status Report**. In addition, Matrix Items can be filtered by two Categories specified in the Matrix Options program (Size and Color).

The Include Qty on PO in Qty Available option is turned on by default to include the quantity on PO in the Quantity available calculation for Matrix lot.

Only Lot Numbers existing for an Item are printed in the report. Checking the Print Lot Numbers with Zero Qty box allows printing Lot Numbers with no quantity available. Here is an example of the printout:

Matrix Stock Status Report
Sorted by Item Code

MX Demo company (MXD)

Item Code / Description Primary Vendor Number	Product Line	Product Type	Unit Of Measure	Whse	Size	Color	Quantity		Reorder Point	Average Cost
							On Hand	Available		
BELT-WIDE WIDE BELT										
02-BROWN	SPW	Finished Good	EACH	000	STD	GREEN	3.00	8.00	0.00	388.030
					STD	WHITE	3.00	8.00		
						Warehouse 000 Total:	6.00	16.00		
						Item BELT-WIDE Total:	6.00	16.00	0.00	
BLINKERS BLINKERS										
01-CONT	SPW	Finished Good	EACH	000	S	WHITE	0.00	0.00	0.00	33.420
					M	WHITE	0.00	0.00		
					M	GR_LT	8.00	8.00		
					M	RED	2.00	2.00		
					L	GREEN	5.00	5.00		
					XL	GR_LT	2.00	2.00		
					XL	RED	5.00	5.00		
					XL	GREEN	8.00	8.00		
						Warehouse 000 Total:	30.00	30.00		
				001	S	WHITE	0.00	3.00	0.00	
				S	RED	0.00	0.00			
				L	WHITE	3.00	8.00			
				XL	WHITE	0.00	1.00			
				XL	RED	0.00	4.00			
						Warehouse 001 Total:	3.00	16.00		
						Item BLINKERS Total:	27.00	14.00	0.00	
CAP CAP										
01-CONT	SPW	Finished Good	EACH	000	S	WHITE	4.00	4.00	0.00	11.592
					S	RED	12.00	22.00		
					L	WHITE	0.00	3.00		
					L	GREEN	12.00	21.00		
					XL	WHITE	2.00	0.00		
						Warehouse 000 Total:	30.00	44.00		
				001	S	RED	0.00	1.00	0.00	
				L	WHITE	0.00	6.00			
						Warehouse 001 Total:	0.00	7.00		
						Item CAP Total:	30.00	37.00	0.00	
MXP2_ITEM Matrix										
01-STEVE	SPW	Finished Good	EACH	000	S	WHITE	180.00	180.00	0.00	20.000
					S	RED	200.00	200.00		
					S	GREEN	200.00	200.00		
					L	WHITE	400.00	400.00		
						Warehouse 000 Total:	980.00	980.00		

Current Page No.: 1 Total Page No.: 1+ Zoom Factor: 100%

Matrix Stock Status Report (Grid)

Select the **Matrix Stock Status Report (Grid)** if you want the information to be printed by a grid:

Matrix Stock Status Report (Grid)

Main Report | BLINKERS

Matrix Stock Status Report (Grid)
Sorted by Item Code

MXDemo company (MXD)

Item Code/Description	Primary Vendor	Product Line	Product Type	Unit Of Measure	Whse	Reorder Point	Average Cost
BELT-WIDE WIDE BELT						Cycle:	388.030
02-BROWN		SPW	Finished Good	EACH	000	0.00	
		FITS ALLS		Total			
GREEN	On Hand	3.00	3.00				
	Available	8.00	8.00				
WHITE	On Hand	3.00	3.00				
	Available	8.00	8.00				
Total	On Hand	6.00	6.00				
	Available	16.00	16.00				
001						0.00	
		FITS ALLS		Total			
GREEN	On Hand	0.00	0.00				
	Available	0.00	0.00				
WHITE	On Hand	0.00	0.00				
	Available	0.00	0.00				
Total	On Hand	0.00	0.00				
	Available	0.00	0.00				
BLINKERS BLINKERS						Cycle:	33.420
01-CONT		SPW	Finished Good	EACH	000	0.00	
		SMALL	MEDIUM	LARGE	EXTRA LAF	Total	
WHITE	On Hand	0.00	0.00	0.00	0.00	0.00	0.00
	Available	0.00	0.00	0.00	0.00	0.00	0.00
LIGHT GREEN	On Hand	0.00	8.00	0.00	2.00	10.00	10.00
	Available	0.00	8.00	0.00	2.00	10.00	10.00
RED	On Hand	0.00	2.00	0.00	5.00	7.00	9.00
	Available	2.00	2.00	0.00	5.00	9.00	9.00
GREEN	On Hand	0.00	0.00	5.00	8.00	13.00	14.00
	Available	0.00	1.00	5.00	8.00	14.00	14.00

Current Page No.: 1 | Total Page No.: 1+ | Zoom Factor: 100%

Matrix Committed Report

Select the **Matrix Committed Report** program under the **Inventory Management Reports** menu.

Report Setting: STANDARD

Description: Matrix Committed Report

Setting Options:

- Type: Public
- Print Report Settings:
- Number of Copies: 1
- Default Report:
- Three Hole Punch:
- Collated:

Sort Report By: Item Code

Options:

- Print Zero Balances:
- Print Lot Numbers with Zero Qty:

Product Types to Print:

- All Types:
- Finished Goods:
- Raw Materials:
- Discontinued:

Procurement Types to Print:

- All Types:
- Make:
- Buy:
- Subcontract:

Selections:

Select Field	Operand	Value
STYLE	All	
CATALOGUE REF#	All	
Matrix Size	Range	L XL
Matrix Color	Range	GREEN WHITE

Adobe PDF: Keep Window Open After: Print: Preview: Buttons: Print, Preview, Setup

The report has been added to print Quantities on Sales Orders and Back Orders as well as Quantities on Purchase Orders for Matrix Items.

Here is an example of the printout:

Matrix Committed Report
Sorted by Item Code

MX Demo company (MXD)

Item Code / Description Primary Vendor	Product Line	Product Type	Unit Of Measure	Whse	Size	Color	On Hand	On Purchase Order	On Sales Order	Quantity		Other Committed	Available
										On Back Order	Other Committed		
BELT-WIDE WIDE BELT											Average Cost: 388.030		
02-BROWN	SPW	Finished Good	EACH	000									
					STD	GREEN	3.00	5.00	0.00	0.00	0.00	0.00	3.00
					STD	WHITE	3.00	5.00	0.00	0.00	0.00	0.00	3.00
Warehouse 000 Total:							6.00	10.00	0.00	0.00	0.00	0.00	6.00
Item BELT-WIDE Total:							6.00	10.00	0.00	0.00	0.00	0.00	6.00
BLINKERS BLINKERS											Average Cost: 33.420		
01-CONT	SPW	Finished Good	EACH	000									
					S	WHITE	0.00	1.00	1.00	0.00	0.00	0.00	1.00
					S	RED	0.00	2.00	0.00	0.00	0.00	0.00	0.00
					M	WHITE	0.00	2.00	2.00	0.00	0.00	0.00	2.00
					M	GR_LT	8.00	0.00	0.00	0.00	0.00	0.00	8.00
					M	RED	2.00	0.00	0.00	0.00	0.00	0.00	2.00
					M	GREEN	0.00	1.00	0.00	0.00	0.00	0.00	0.00
					L	GREEN	5.00	0.00	0.00	0.00	0.00	0.00	5.00
					XL	GR_LT	2.00	0.00	0.00	0.00	0.00	0.00	2.00
					XL	RED	5.00	0.00	0.00	0.00	0.00	0.00	5.00
					XL	GREEN	8.00	0.00	0.00	0.00	0.00	0.00	8.00
Warehouse 000 Total:							30.00	6.00	3.00	0.00	0.00	0.00	27.00
				001									
					S	WHITE	0.00	0.00	2.00	1.00	0.00	0.00	3.00
					S	RED	0.00	1.00	1.00	0.00	0.00	0.00	1.00
					L	WHITE	3.00	0.00	0.00	5.00	0.00	0.00	8.00
					XL	WHITE	0.00	2.00	2.00	1.00	0.00	0.00	3.00
					XL	RED	0.00	0.00	4.00	0.00	0.00	0.00	4.00
Warehouse 001 Total:							3.00	3.00	9.00	7.00	0.00	0.00	19.00
Item BLINKERS Total:							27.00	9.00	12.00	7.00	0.00	0.00	8.00
CAP CAP											Average Cost: 11.592		
01-CONT	SPW	Finished Good	EACH	000									
					S	WHITE	4.00	0.00	0.00	0.00	0.00	0.00	4.00
					S	RED	12.00	10.00	0.00	0.00	0.00	0.00	12.00
					L	WHITE	0.00	0.00	2.00	1.00	0.00	0.00	3.00
					L	GREEN	12.00	12.00	1.00	2.00	0.00	0.00	9.00
					XL	WHITE	2.00	0.00	0.00	0.00	0.00	0.00	2.00
					XL	RED	0.00	5.00	0.00	0.00	0.00	0.00	0.00
Warehouse 000 Total:							30.00	27.00	3.00	3.00	2.00	0.00	22.00
				001									
					S	RED	0.00	0.00	1.00	0.00	0.00	0.00	1.00
					L	WHITE	0.00	0.00	1.00	5.00	0.00	0.00	6.00
Warehouse 001 Total:							0.00	0.00	2.00	5.00	0.00	0.00	7.00

Current Page No.: 1 | Total Page No.: 1+ | Zoom Factor: 100%

The quantity **Available** printed on the report is calculated as follows: **“Qty On Hand + Qty On Purchase Order – Qty On Sales Order”** if the Include in Quantity Available option is set to **“Purchase Orders”** or **“POs and WOs”**, otherwise it is calculated as **“Qty On Hand– Qty On Sales Order”**.

Note: The quantities committed on WO, IM Transactions and B/M Entries are not taken into account during Available quantity calculation.

Inventory Valuation Report

Select the **Inventory Valuation Report** program under the **Inventory Management Reports** menu.

The report has been modified to display Lot Numbers for Matrix Items as a pair of Matrix Codes with their Category Descriptions.

Inventory Valuation Report
Sorted by Item Code
MX Demo company (MXD)

Item Code	Product Line	Product Type	Valuation	Unit of Measure	Warehouse	Lot/Serial Number	Receipt Number	Receipt Date	Quantity On Hand	Unit Cost	Inventory Value
MXP_ITEM		Finished Good	Lot	EACH							
						Color: BL_LT	0000016	10/13/2009	95.00	24.000	2,280.00
						Color: GRAY	0000016	10/13/2009	35.00	24.000	840.00
						Color: GREEN		2/28/2014	8.00	24.000	192.00
						Color: GR_LT	0000016	10/13/2009	95.00	24.000	2,280.00
						Color: RED		2/28/2014	10.00	24.000	240.00
						Color: WHITE	0000016	10/13/2009	95.00	24.000	2,280.00
						Color: YELL	0000016	10/13/2009	100.00	24.000	2,400.00
						Color: BLACK	0000016	10/13/2009	90.00	24.000	2,160.00
						Color: BLUE	0000016	10/13/2009	89.00	24.000	2,136.00
						Color: BL_LT	0000016	10/13/2009	80.00	24.000	1,920.00
						Color: GRAY	0000016	10/13/2009	100.00	24.000	2,400.00
						Color: GREEN	0000016	10/13/2009	100.00	24.000	2,400.00
						Color: GR_LT	0000016	10/13/2009	100.00	24.000	2,400.00
						Color: RED	0000016	10/13/2009	100.00	24.000	2,400.00
						Color: WHITE	0000016	10/13/2009	800.00	24.000	19,200.00
						Color: YELL	0000016	10/13/2009	80.00	24.000	1,920.00
						Color: BLACK	0000016	10/13/2009	500.00	24.000	12,000.00
						Color: BLUE	0000016	10/13/2009	5,000.00	24.000	120,000.00
						Color: BL_LT	0000016	10/13/2009	500.00	24.000	12,000.00
						Color: GRAY	0000016	10/13/2009	500.00	24.000	12,000.00
						Color: GREEN	0000016	10/13/2009	475.00	24.000	11,400.00
						Color: GR_LT	0000016	10/13/2009	500.00	24.000	12,000.00
						Color: RED	0000016	10/13/2009	500.00	24.000	12,000.00
						Color: WHITE	0000016	10/13/2009	500.00	24.000	12,000.00
						Color: YELL	0000016	10/13/2009	500.00	24.000	12,000.00
						Color: BL_LT	G001044	8/27/2010	10.00	24.000	240.00
						Color: GREEN		2/28/2014	10.00	24.000	240.00
						Color: GR_LT	G001044	8/27/2010	5.00	24.000	120.00
						Color: RED		2/28/2014	10.00	24.000	240.00
						Color: WHITE	G001044	8/27/2010	122.00	24.000	2,928.00
						Color: BL_LT	G001044	8/27/2010	50.00	24.000	1,200.00
						Color: GR_LT	G001044	8/27/2010	10.00	24.000	240.00
						Color: BL_LT	G001044	8/27/2010	15.00	24.000	360.00
						Color: GR_LT	G001044	8/27/2010	11.00	24.000	264.00
						Color: YELL	G001044	8/27/2010	12.00	24.000	288.00
						Color: BL_LT	G001044	8/27/2010	6.00	24.000	144.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Open Orders by Matrix Item Report

The **Open Orders by Matrix Item Report** provides open sales orders information for Matrix Items' Lots. Select the **Open Orders by Matrix Item Report** program under the **Sales Order Reports** menu.

The screenshot shows the 'Open Orders By Matrix Item Report (MXD) 2/28/2014' window. It contains the following sections:

- Report Setting:** STANDARD (with a Save button).
- Description:** Open Orders By Matrix Item Report.
- Setting Options:**
 - Type: Public (dropdown)
 - Print Report Settings:
 - Number of Copies: 1 (spinner)
 - Default Report:
 - Three Hole Punch:
 - Collated:
- Print Report By:** Item Code (dropdown)
- Sort Report By:** Item Code (dropdown)
- Sales Order Types to Print:**
 - All Types:
 - Standard Orders:
 - Back Orders:
- Print Summary Report:**
- Selections:**

Select Field	Operand	Value
Item Code	Equal to	MXP_ITEM
Product Line	All	
Warehouse	All	
Salesperson	All	
- Bottom Bar:**
 - Adobe PDF (dropdown)
 - Keep Window Open After:
 - Print:
 - Preview:
 - Buttons: Print, Preview, Setup

Print Report By and **Sort Report by** options allow for printing of open orders for each Salesperson by Items or for each Item by Salespersons.

Selections by Item Code, Product Line, Warehouse and salesperson are available.

Here is an example of a report printed by Salesperson and sorted by Item Code:

Open Orders By Matrix Item Report
For Order Types: Back Orders, Standard Orders
MXDemo company (MXD)

Salesperson		Description	Order Date	Promise Date	Customer Number/Name	Whse	Ordered	Quantity			Extension	
Item Code	Order No							Shipped	Back Ordered	Net Order		
01-0100 Jim Kentley												
0000220	Std	Matrix Item	2/28/2014	2/28/2014	01-ABF	Product Line: SPW	UIM: EACH	5.00	0.00	0.00	5.00	325.00
	Size: M				Color: BL_LT							
	Size: M				Color: YELL							
0000221	Std	Matrix Item	2/28/2014	2/28/2014	01-ABF		001	5.00	0.00	0.00	5.00	325.00
	Size: L				Color: RED							
	Size: XL				Color: GR_LT							
0000222	Back	Matrix Item	2/28/2014	2/28/2014	01-ABF		001	10.00	6.00	4.00	4.00	280.00
	Size: M				Color: WHITE							
	Size: S				Color: BL_LT							
Item MXP_ITEM Total:								20.00	6.00	4.00	14.00	910.00
Salesperson 01-0100 Total:								20.00	6.00	4.00	14.00	910.00
Report Total:								20.00	6.00	4.00	14.00	910.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Here is an example of the summary report printout:

Open Orders By Matrix Item Report
For Order Types: Back Orders, Standard Orders
MXDemo company (MXD)

Salesperson		Description	Prod	UIM	Quantity				Item Total
Item Code	Order No				Ordered	Shipped	Back Ordered	Net Order	
01-0100 Jim Kentley									
MXP_ITEM		Matrix Item	SPW	EACH	20.00	6.00	4.00	14.00	910.00
Salesperson 01-0100 Total:					20.00	6.00	4.00	14.00	910.00
Report Total:					20.00	6.00	4.00	14.00	910.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Open Orders by Matrix Lot Report

The **Open Orders by Matrix Lot Report** program has been added to the **Sales Order Reports** menu to allow printing open sales orders by Matrix Size and Matrix Color to make easy tracking of outstanding orders for each Matrix Lot.

By default the report is sorted by item code. It can be sorted also by the Salesperson. There is an option to include Standard Orders, Back Orders or both types (All).

Report Setting: STANDARD

Description: Open Orders By Matrix Lot Report

Setting Options:

- Type: Public
- Print Report Settings:
- Number of Copies: 1
- Default Report:
- Three Hole Punch:
- Collated:

Print Report By: Salesperson

Sort Report By: Item Code

Sales Order Types to Print:

- All Types:
- Standard Orders:
- Back Orders:

Select Field	Operand	Value
Item Code	All	
Warehouse	All	
Salesperson	All	
Matrix Size	Range	L XXXL
Matrix Color	All	

Adobe PDF

Keep Window Open After

Print Preview

Print Preview Setup

Selection of Item Code, Product Line, Warehouse, Salesperson, Matrix Size and Matrix Color may be applied to the report.

Print Report By and **Sort Report by** options allow for printing of open orders for each Salesperson sorted by Items or for each Item sorted by Salespersons.

Here is an example of a report printed by Salesperson sorted by Item Code

Open Orders By Matrix Lot Report

Main Report

Open Orders By Matrix Lot Report
For Order Types: All

MX Demo company (MXD)

Salesperson No/Name								
Item Code/Description	Size	Color	Order No.	Type	Ord. Date	Customer Number/Name	Whse	Quantity Ordered
01-6100 Jim Kenley								
BELT-WIDE WIDE BELT								
						Product Line : SPW	UM: EACH	
STD		BLACK						
0000184	Std		2/6/2009			01-ABF American Business Futures	000	1.00
							Size: STD Color: BLACK Total:	1.00
STD		BLUE						
0000184	Std		2/6/2009			01-ABF American Business Futures	000	1.00
0000219	Back		12/3/2013			01-ABF American Business Futures	001	1.00
							Size: STD Color: BLUE Total:	2.00
							Item BELT-WIDE Total:	3.00
BLINKERS BLINKERS								
						Product Line : SPW	UM: EACH	
S		WHITE						
0000174	Back		5/12/2003			01-ABF American Business Futures	001	1.00
0000187	Std		6/24/2009			01-ABF American Business Futures	001	2.00
0000220	Std		2/28/2014			01-ABF American Business Futures	000	1.00
							Size: S Color: WHITE Total:	4.00
S		RED						
0000221	Std		2/28/2014			01-ABF American Business Futures	001	1.00
							Size: S Color: RED Total:	1.00
M		WHITE						
0000220	Std		2/28/2014			01-ABF American Business Futures	000	2.00
							Size: M Color: WHITE Total:	2.00
L		WHITE						
0000188	Back		6/24/2009			01-ABF American Business Futures	001	5.00
							Size: L Color: WHITE Total:	5.00
L		BLACK						
0000184	Std		2/6/2009			01-ABF American Business Futures	000	3.00
0000186	Back		6/24/2009			01-ABF American Business Futures	000	1.00
0000219	Back		12/3/2013			01-ABF American Business Futures	000	1.00
							Size: L Color: BLACK Total:	5.00
XL		WHITE						
0000174	Back		5/12/2003			01-ABF American Business Futures	001	1.00

Current Page No.: 1 Total Page No.: 1+ Zoom Factor: 100%

Here is an example of the report printed by Item Code and Sorted by Salesperson.

Open Orders By Matrix Lot Report

Main Report

Open Orders By Matrix Lot Report
For Order Types: All

MXDemo company (MXD)

Item Code / Description	Size	Color	Customer Number / Name	Salesperson No / Name	Whse	Quantity Ordered
BELT-WIDE WIDE BELT						
Product Line : SPW UIM: EACH						
0000184	Std	BLACK	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
Size: STD Color: BLACK Total:						1.00
0000184	Std	BLUE	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
0000219	Back	BLUE	01-ABF American Business Futures	01-0100 Jim Kentley	001	1.00
Size: STD Color: BLUE Total:						2.00
Item BELT-WIDE Total:						3.00
BLINKERS BUNKERS						
Product Line : SPW UIM: EACH						
S						
WHITE						
0000174	Back	WHITE	01-ABF American Business Futures	01-0100 Jim Kentley	001	1.00
0000187	Std	WHITE	01-ABF American Business Futures	01-0100 Jim Kentley	001	2.00
0000220	Std	WHITE	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
Size: S Color: WHITE Total:						4.00
S						
RED						
0000221	Std	RED	01-ABF American Business Futures	01-0100 Jim Kentley	001	1.00
Size: S Color: RED Total:						1.00
M						
WHITE						
0000220	Std	WHITE	01-ABF American Business Futures	01-0100 Jim Kentley	000	2.00
Size: M Color: WHITE Total:						2.00
L						
WHITE						
0000188	Back	WHITE	01-ABF American Business Futures	01-0100 Jim Kentley	001	5.00
Size: L Color: WHITE Total:						5.00
L						
BLACK						
0000184	Std	BLACK	01-ABF American Business Futures	01-0100 Jim Kentley	000	3.00
0000186	Back	BLACK	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
0000219	Back	BLACK	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
Size: L Color: BLACK Total:						5.00
XL						
WHITE						
0000174	Back	WHITE	01-ABF American Business Futures	01-0100 Jim Kentley	001	1.00
0000221	Std	WHITE	01-ABF American Business Futures	01-0100 Jim Kentley	001	2.00
Size: XL Color: WHITE Total:						3.00
XL						
RED						
0000184	Std	RED	01-ABF American Business Futures	01-0100 Jim Kentley	001	2.00
0000187	Std	RED	01-ABF American Business Futures	01-0100 Jim Kentley	001	2.00
Size: XL Color: RED Total:						4.00
Item BLINKERS Total:						24.00
CAP CAP						
Product Line : SPW UIM: EACH						
0000180	Std	RED	02-CUSTOM Custom Craft Products	02-0300 Harvey Earlwright	001	1.00

Current Page No.: 1 Total Page No.: 1+ Zoom Factor: 100%

Matrix Codes Invoice History Report

The **Matrix Codes Invoice History Report** added under the Sales Order Reports menu provides detail/summary sales history information about the Matrix Codes.

Report Setting: STANDARD

Description: Matrix Codes Invoice History Report

Setting Options:

- Type: Public
- Print Report Settings:
- Number of Copies: 1
- Default Report:
- Three Hole Punch:
- Collated:

Print Summary Report:

Select Field	Operand	Value
Matrix Size	Range	L
Matrix Color	All	
Item Code	All	
Item Description	All	
Invoice Date	All	
Invoice Number	All	
Customer Number	All	
Salesperson	All	

Adobe PDF | Keep Window Open After: Print Preview | Print | Preview | Setup

Here is an example of printout for summary report form:

Matrix Codes Invoice History Report
MXDemo company (MXD)

Item Code / Description	Quantity
BELT-WIDE WIDE BELT	
Size: STD Color: BLACK	28.00
Size: STD Color: BLUE	15.00
Size: STD Color: GREEN	5.00
Size: STD Color: WHITE	3.00
BLINKERS BLINKERS	
Size: S Color: BLUE	2.00
Size: M Color: WHITE	2.00
Size: M Color: YELL	2.00
Size: M Color: BLUE	3.00
Size: M Color: GREEN	2.00
Size: L Color: WHITE	9.00
Size: L Color: BLUE	7.00
Size: L Color: GREEN	2.00
Size: XL Color: BLUE	1.00
CAP CAP	
Size: S Color: WHITE	2.00
Size: S Color: RED	1.00
Size: S Color: BLACK	1.00
Size: L Color: WHITE	4.00
Size: L Color: BLUE	2.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Here is an example of printout for detail report form:

Matrix Codes Invoice History Report
MXDemo company (MXD)

Item Code / Description	Invoice Number	Invoice Date	Customer Number / Name	Salesperson No / Name	U/M	Quantity
BELT-WIDE WIDE BELT						
Size: STD Color: BLACK						
0100061	10/5/2003	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	5.00	
0100067	12/25/2003	01-SHEPARD Shepard Motorworks	01-0200 Shelly Westland	EACH	1.00	
0100057	10/13/2009	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	20.00	
0100099	8/27/2010	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00	
Size: STD Color: BLUE						
0100061	10/5/2003	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	10.00	
0100067	12/25/2003	01-SHEPARD Shepard Motorworks	01-0200 Shelly Westland	EACH	1.00	
0100070	8/5/2003	02-ORANGE Orange Door & Window Co.	02-0300 Harvey Earwright	EACH	1.00	
0100099	8/27/2010	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00	
0100114	12/3/2013	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	1.00	
Size: STD Color: GREEN						
0100061	10/5/2003	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00	
0100067	12/25/2003	01-SHEPARD Shepard Motorworks	01-0200 Shelly Westland	EACH	1.00	
0100099	8/27/2010	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00	
Size: STD Color: WHITE						
0100061	10/5/2003	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	3.00	
BLINKERS BLINKERS						
Size: S Color: BLUE						
0100061	10/5/2003	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	1.00	
0100064	7/25/2003	01-SHEPARD Shepard Motorworks	01-0200 Shelly Westland	EACH	1.00	

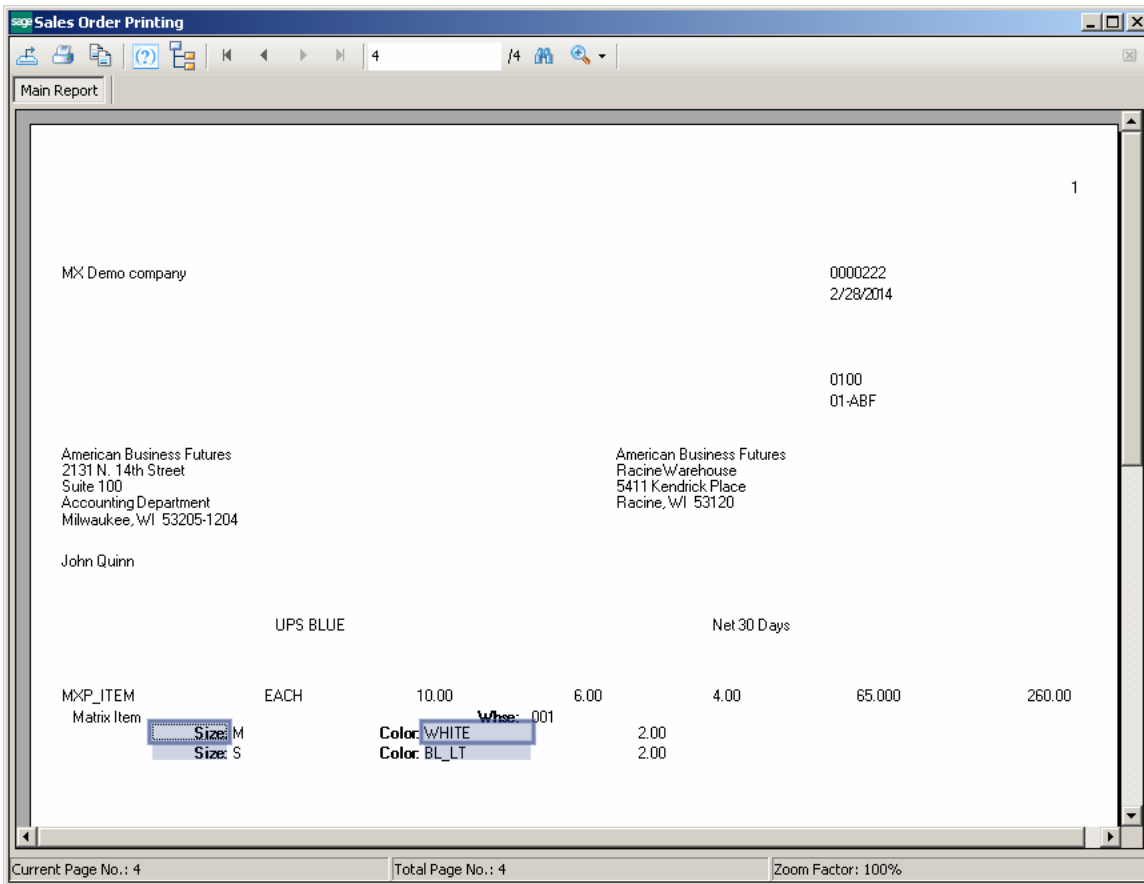
Current Page No.: 1 Total Page No.: 1+ Zoom Factor: 100%

Other Printing Forms

Preprinted Laser

The **Preprinted** form of graphical printing in **Sales Order, S/O Invoice, Picking Sheet,** and **Purchase Order** have been modified to display Lot Numbers for Matrix Items as a pair of Matrix Codes with their Category Descriptions.

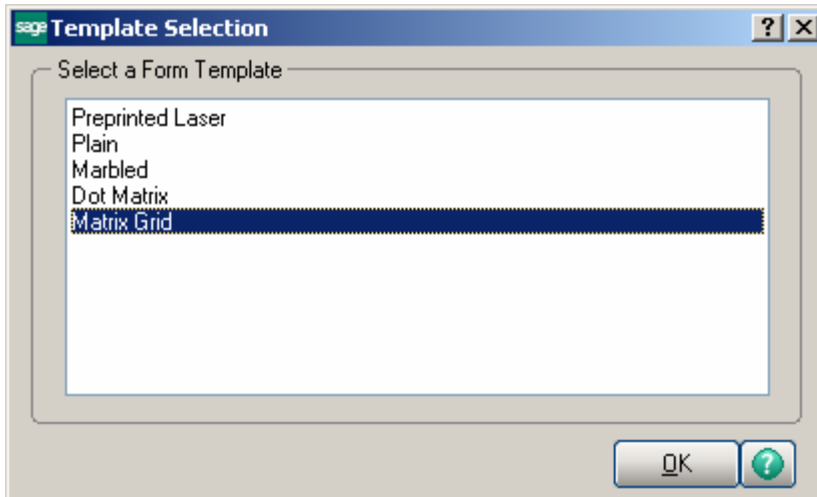
Here is an example of printout:



The numbers of Matrix Codes in the Line Temporary Work files are 50 for the Matrix form in the graphical printings of the Sales Order, Picking Sheet, Sales Order Invoice and Purchase Order.

Matrix Grid

The **Matrix Grid** printing form has been added to the graphical printing Form Templates to allow printing the Matrix Distribution grid information on the report.



This form is available for the Sales Order, S/O Invoice, Picking Sheet, Packing List and Purchase Order Printings.

Sales Order Printing (MXD) 11/12/2013

Form Code:

Description:

Number of Copies: Collated: Multi-Part Form Enabled:

Sort Orders By:

Order Type to Print: Print Comments:

Paperless Office Output: Print Bill Options:

Print Lot/Serial Distributions:

Line 1 Message:

Line 2 Message:

Selections

Select Field	Operand	Value
Order Number	All	
Warehouse Code	All	

Adobe PDF

Here is an example of **Sales Order Printing** by the Form Code created for Matrix Grid format.

Sales Order Printing (Page: 1)

Backorder

MX Demo company

Order Number: 0000222
Order Date: 2/28/2014

Salesperson: 0100
Customer Number: 01-ABF

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

Ship To: American Business Futures
Racine Warehouse
5411 Kendrick Place
Racine, WI 53120

Confirm To: John Quinn

Customer P.O.	Ship VIA	F.O.B.	Terms
	UPS BLUE		Net 30 Days

Item Code	Unit	Ordered	Shipped	Back Order	Price	Amount
MXP_ITEM	EACH	10.00	6.00	4.00	65.000	260.00

Matrix Item Whse: 001

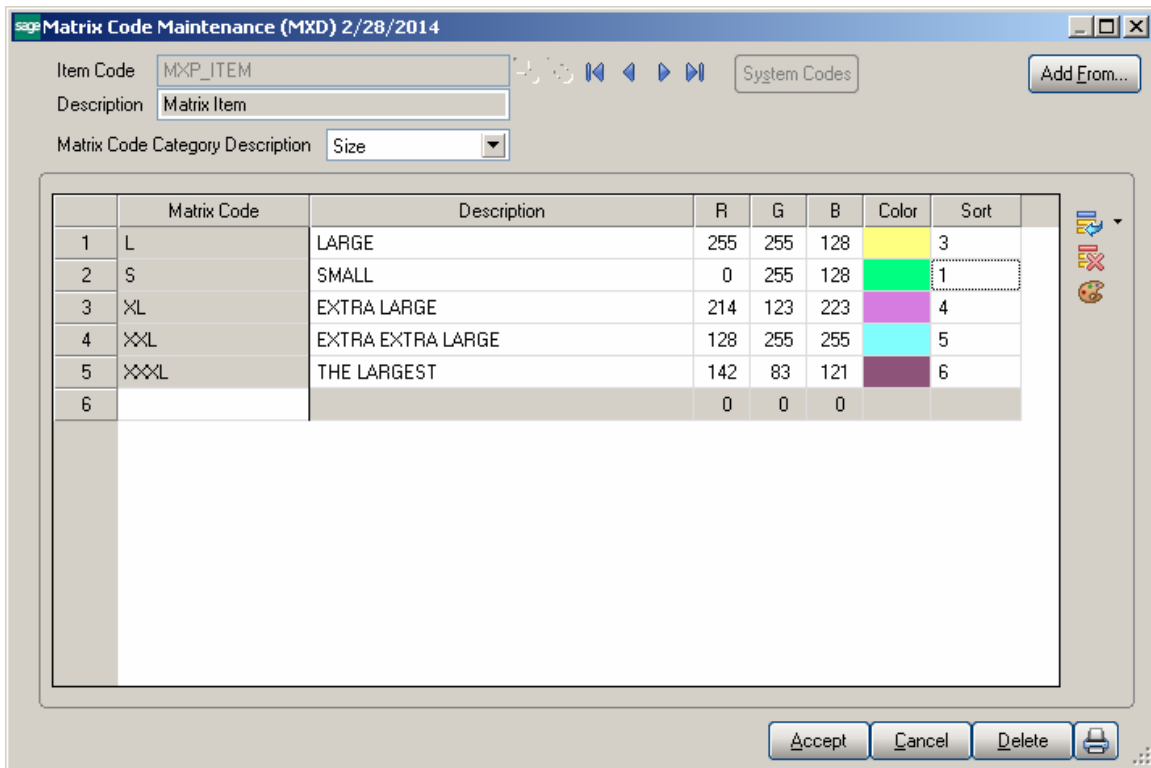
	M	SMALL	Total
WHITE	2.00	0.00	2.00
LIGHT BLUE	0.00	2.00	2.00
Total	2.00	2.00	4.00

Current Page No.: 46 Total Page No.: 46 Zoom Factor: 100%

Matrix Codes Sorting in Printings

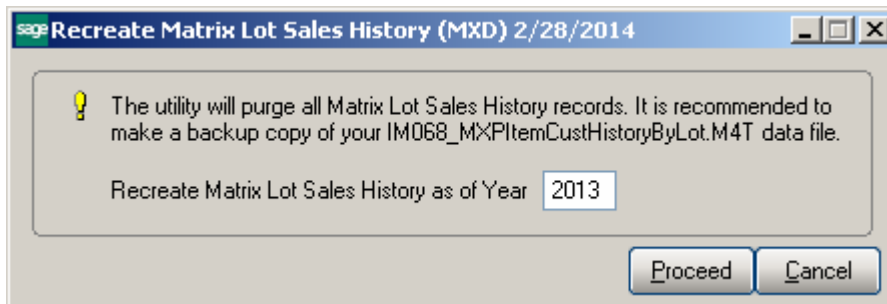
The following printings display information in the order according to the **Sort** field value of **Matrix Codes Matrix Code Maintenance**:

- Purchase Order Printing
- Picking Sheet Printing
- Sales Order Printing
- S/O Invoice Printing
- Matrix Sales History Report
- Matrix Stock Status Report
- Matrix Stock Status Report (Grid)
- Matrix Committed Report
- Open Orders by Matrix Items Report



Recreate Matrix Lot Sales History

The **Recreate Matrix Lot Sales History** utility added to the **Inventory Management Utilities** menu allows for purging the Sales History for Matrix Lot Items and creates it anew starting from the Year specified on the utility.

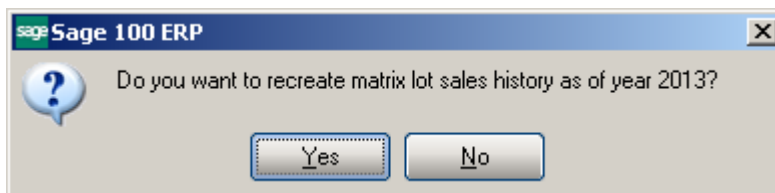


Recreate Matrix Lot Sales History as of Year- Enter the year to be used for recreating Matrix Lot Sales History.

The default Year value is calculated based on the Fiscal/Calendar Periods selected at the Base Inventory Periods On field in the Inventory Management Options and the Years to retain Item History value set in the CI Options.

Note: All Matrix Lot Sales history will be permanently removed from the system regardless the Year specified.

The following message is popup upon pressing the **Proceed** button.



Selecting **Yes** will remove the Matrix Lot Sales History for all previous years and rebuild new History based on the IM Lot Serial Transaction History data file.

Rebuild Sort Files

The **Rebuild Sort Files** utility has been modified to take into account also the On PO Qty for Matrix Lots while recalculating committed lot/serial quantities.