

Matrix Processing For Sage 100 2014

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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

 - AR SO
 - SO
 - PO
- Necessarily follow the steps described in the "MXP510_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 installation and setup now; then allow any updating to be accomplished automatically. Once SAGE 100 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 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.

Ċ	🚡 * Sales Orde	r Entry (111) O	5/12/2006	
	Order Number	Q	🛃 💽 🤇	
	<u>1</u> . Header	<u>2</u> . Address	<u>3</u> . Lines	: <u>4</u> . Totals
	Order Date		Order	Туре
	Customer No.		P. Et	
	'			
				Ship To Addr
				Terms Code
	Ship Data			Shin Via

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.

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**.

🔓 IIG Master Developer E	nhancement R	egistration					?_□×
Registered Customer IIG	- Glendale						
Registration Information Reseller Name							
Serial Number	1111111						
Customer Number	2222222222						
User Key	333333333333	33333333					
Product Key	55555 55	555 55555	55555 55555				
Enhancement	Level	Release Date	Serial Number	Unlocking Key			<u>0</u> K
IIG Enhancement	5.10		ممممممممممممم	BBBBB]		Undo
Enhancement	Level	Release Date	Serial Number	Unlocking Key			
IIG Enhancement	5.10		Αδαδαδάδαδαδάδα.	. BBBBB			
)						
Print Registration Form	J					<u></u> _lo	se 🔒
					IIG	ABC	4/7/2014

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.

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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.

-ODBC Security-	5
Enable ODBC Security within Role Maintenance	
	2

Role Maintenance

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

se Role Main	ntenance (MXD) 11/14/2014	X
Role		Role
Description	Admin	
<u>1</u> . Tasks	Security Events 3. Module Options 4. SData Security 5. ODBC	Security
🛨 🗹 De	evelopment Studio	
🕀 🗹 eB	Business Manager	
	ixed Assets	
	eneral Ledger	
	iventory Management	
	☑ Explorer View ☑ Inquiry	=
	☑ Maintenance/Data Entry	
	☑ Maintenancer⊅ata 2nny ☑ Miscellaneous Tasks	
+	Z Reports/Forms	
	✓ Setup Options	
9	🗉 🗹 Inventory Management Options	
3	🕀 🗹 Matrix Options	-
	Accept Cancel Delete	₽⊘

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.

Matrix Options ((ABC) 7/28/2015					
<u>1</u> . Main	2. Purchase Order	<u>3</u> . Sales Order	<u>4</u> . Inventory	<u>5</u> . Bill of M	aterials	<u>6</u> . RMA
	Lot Nur	nber Preview SS	SSSSSSSSSS			
Category 1						
Description S	ize S	tarting Position 1	🗘 Length 5	🗘 Туре	String	•
Category 2						1
Description C	olor S	tarting Position 6	ф Length 10	🔶 Туре	String	•
		▼ ▼ Matrix Code ▼	UPC UPC Code Type Allow Only Selected Scanning UPC Scanning duri USE UCC UCC Code UPC Next Auto Iten	ng Receipt	EAN/UCC-1 ++AUTO++ 000001 000015	4
<u>Manual</u>					Accept	Cancel

The Manual button allows for viewing MXP enhancement document in PDF format. 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**

9

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:

🚮 MAS	90 🔀
⚠	Records Exist with longer Matrix Codes. Codes will be shortened to adjust to new length.
	[Sum up Quantities in Prepacks] 🔽
	Accept Cancel

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 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.

Check the **Use System Matrix Code by Default** box if you want the System Matrix Codes to be applied by default for Matrix Items not having Matrix Codes setup. This option is not set by default. If this checkbox is not selected in the Matrix Option the user will be prompted about adding Matrix Codes when entering a Matrix item not having Matrix Codes setup. The Matrix Codes button on the **Matrix Distribution Entry** allows the users, having respective permission, to set up Matrix Codes.

Lot/Serial No.	- Matrix Distribut	ion Entry				
em Code	NEW_MX		Matrix Iter	1		Matrix Code
Init of Measure	EACH			It is necessa	ary to setup Ma	atrix Codes for current Iten
						Grid column Width 🛛 10 🖕
	Lot Number	Available	Distribute			Enter quantities by
1	9	.00	.00			
					2	
						Show Quantities
						On Hand 🔽 Available 🔽
				Distribution Balance	.00	Distributed
				Qty Distributed	.00	

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

Matrix Options (ABC) 7/28/2015	
<u>1</u> . Main <u>2</u> . Purchase Order <u>3</u> . Sales Order	4. Inventory <u>5</u> . Bill of Materials <u>6</u> . RMA
Lot Number Preview SS	355555555555555555555555555555555555555
Category 1	
Description Size Starting Position 1	🗅 Length 5 🛟 Type String 👻
Category 2	
Description Color Starting Position 6	🗅 Length 10 🍨 Type String 💌
Color	UPC
Grid cell Text color	UPC Code Type EAN/UCC-14 -
Grid cell Background color None 👻	Allow Only Selected UPC Type 🛛 📝
	Scanning ++AUTO++
Delete Zero Quantity Lots When Deleting Matrix Code 🖉	UPC Scanning during Receipt 🛛 🔽
Use System Matrix Codes By Default 📃	Use UCC 🛛
	UCC Code 000001
	UPC Next Auto Item Reference 000015

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.

so: Sage	• 100 ERP
2	Changing this option will rebuild the existing UPC Codes data to adjust to the new setting. Do you want to proceed with these changes?
	<u>Y</u> es <u>No</u>

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:

1ain Report						
	Matrix Options Listing				(MXD)	
	Main Folder Options					
	Category 1					
	Description	Starting Position	Length	Туре		
	Size	1.00	5.00	String		
	Category 2					
	Description	Starting Position	Length	Туре		
	Color	6.00	10.00	String		
	Color					
	Grid cell Text color: None					
	Grid cell Background color None					
	Delete Zero Quantity Lots When Delet	ing Matrix Code: No				
	UPC					
		CC-12				
	Allow Only Selected UPC Type: Ye	es				
	Scanning: ++	+AUTO++				
	UPC Scanning during Receipt: Ye					
		es				
	UCC Code: 12 UPC Next Auto Item Reference: 00	23456				
		001				
	Purchase Order Options					
	Matrix Distribution in	Show Quantities	-			
	PurchaseOrder Entry: Yes	On Hand:	Yes			
	Repeating Order: Yes	Available:	No			
	Receipts of Goods Entry: Yes Return of Goods Entry: Yes	Distributed: On PO:	Yes No			
	Return of Goods Entry: Yes	UIPU:	NO			
	Grid Column Width:	10.00				
	Enterquantities by:	Columns				
	Construct Grid by only existing:	Matrix Codes				
	Allow only existing Matrix Codes:	No				

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.

Matrix Options (MXD) 12/3/2014				
<u>1</u> . Main <u>2</u> . Purchase Order	<u>3</u> . Sales Order	4. Inventory	<u>5</u> . Bill of Materials	<u>6</u> . RMA
Matrix Distribution inPurchase Order EntryRepeating OrderReceipts of Goods EntryReturn of Goods Entry	Show Quantities On Hand 📝 Available 📄 Distributed 📝 On PO 📄			
Grid Column Width Enter quantities by	10 🔶 Columns 🔻			
Construct Grid by only existing	Matrix Codes 🔻			
Allow only existing Matrix Codes Matrix Distribution Auto Popup in P/O Er Purchase Order Full Distribution Required	-			
0 Manual			Accept	Cancel 🔒

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.

Matrix Options (MXD) 12/3/2014	
<u>1</u> . Main <u>2</u> . Purchase Order <u>3</u> . Sales Order <u>4</u> . Inventory <u>5</u> . Bill of Materials] <u>6</u> . RMA]
Matrix Distribution in Show Quantities Sales Order Entry Invoice Quote Price Quote Invoice Data Entry Grid Column Width 10 _	
Enter quantities by Columns -	
Matrix Distribution Auto Popup in S/O Entry	
<u>⊘</u> Manual Acce	ept <u>C</u> ancel 🚑

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.

Matrix Options (MXD) 12/3/2014	
1. Main 2. Purchase Order 3. Sales Order 4. Inventory 5. Bill of Materials	<u>6</u> . RMA
Matrix Distribution in Show Quantities Inventory Transaction Entry Image: Comparison of C	
Grid Column Width 15 Enter quantities by Columns	
Image: Manual Accept	<u>C</u> ancel

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.

Matrix Options (N	1XD) 12/3/2014				
<u>1</u> . Main]	2. Purchase Order	<u>3</u> . Sales Order	<u>4</u> . Inventory	5. Bill of Materials	<u>6</u> . RMA
Matrix Distribution Production Entry Auto Distribute Li Disassembly Entry	nes 🔽	Show Quantities On Hand Available Distributed			
Grid Column Width Enter quantities by		15 ÷ Rows ▼			
<u>M</u> anual				Accept	Cancel

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.

iviaurix Options (MXD) 12/3/2014				
<u>1</u> . Main	2. Purchase Order	3. Sales Order	4. Inventory	5. Bill of Materials	<u>6</u> . RMA
Matrix Distributio RMA Data Entru RMA Receipts E	V	Show Quantities Available 📝 Distributed 📝			
Grid Column Wid Enter quantities b		15 ‡ Columns 👻			

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 dropdown list are the same as on the Purchase Order tab. The settings apply to the programs of the RMA module.Matrix Items

Matrix Items

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

	P_ITEM				4 Þ ÞI 🛙	•	Copy <u>F</u> rom	Renum <u>b</u> er	More	•
escription Ma	itrix Item			₽						
<u>1</u> . Main	<u>2</u> . Add	litional <u>3</u> . Qu	antity 4	<u>I</u> . History	<u>5</u> . Transactio	ns] <u>6</u> . Or	ders <u>7</u> . C	Cost Detail 📔 <u>8</u>	. Matrix	Detai
Product Line Product Type			Weight	0.0000	Unit of M Standard Purchase	EACH EACH	Q Q No. of E			1
Valuation Procurement	Lot Make		Volume Inventory Cycl	0.0000 e	Sales Matrix Ite		🔍 No.of E			1
Price Code Default Whse		🔍 🔍 central w		<u>Warr</u>	anty Code		🔍 🇞 Steve 🔍	ens Supply		
Sales		05.000	Purcha				-Last Costs-			1
Retail Price		65.000		ard Cost		.000 🗐	Item		24.000	
Standard Pric	e	65.000	-			.012	Allocated		.000	-
Last Sold		2/28/2014 📋	Last R	eceipt	2/28/	2014 🚞	Total		24.000	
Quantities										
Whse Des	cription	On Hand	On PO	On SO	On Bk Ord	Committed	On WO	Req for WO	A	₹5
	ITRAL	11,221.00	20.00	.00	.00	.00	.00	.00	11,	2
1	ST WA	4,984.00 .00	10.00 .00	<u>11.00</u> .00	<u>4.00</u> .00	15.00 .00	.00 .00	.00. 00.	4,	
•				_	_				•	

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**.

em Co	de M×F	P_ITEM						Copy Erom	Renumber	More	e	
escrip	tion Matr	ix Item								Ve	endors	
1.	Main	2. A	dditional <u>3</u> .	Quantity	4. History	5. Transa	ctions <u>6</u> . (Orders 7.0	Cost Detail	8. <u>A</u> I	lias	
						Unito	f Measure		e.e	Al	lternate	
Prod	luct Line	SPW	SPORT:	SWARE		Stand	lard EACH	9		Re	eorder	
Prod	uct Type	Finisł	ned Good 🔹	Weight		Purchases EACH			No. of EACH		Pricing	
Value	ation	Lot	*	Volume	0.000	00 Sales	EACH	CH 🔍 No. of EACH			Price Lookup	
Proc	urement	Make	• •	Inventory	Cycle	Matrix	ttem 🔽	-			ales Promotion ot / Serial	
Price	Code	_	Q		Pr	imary Vendor	01-STEV	🔍 📎 Steve	ens Supply	-	o <u>t</u> / Serial Orders	
200	ult Whse	000		WAREHOU		arranty Code	01-5124		ens ouppy	and the second second	r <u>e</u> packs	
100	- 70	000	CENTINA			and ity Code					atrix Codes	
Sales	s il Price	-	65.000		irchases andard Cost	117	24.000	Last Costs Item	1	-	latrix Sales	
	ni Frice dard Price	-	65.000	-	verage Cost	-	24.000	Allocated	1	1 M	IXP Sales History	
Last		-	2/28/2014	-	ast Receipt		28/2014	Total	-	24.000		
			2/20/2014	La	stheceipt	2/	20/2014	Total		24.000		
Quar												
hse	Descripti		On Hand	On PO	On SO	On Bk Ord	Committed		eq for W0	Avail		
0	CENTRA EAST W		11,221.00	20.00	.00	.00	.00	.00	.00	11,221	2	
2	WEST V		.00	.00	.00	.00	.00	.00	.00			
										_		
4					m.					*		

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

<u>Prepacks</u> 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.

ser Sage	e 100 ERP
(i)	You cannot change Matrix Item type while Prepacks exist for the Item.

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.

Item Co		C 🖌 🖌 🖉		Gy <u>s</u> tem I	Codes			Add <u>F</u> r
	otion Matrix Item							
Matrix (Code Category Descripti	on Size 🔻						
	Matrix Code	Description	B	G	В	Color	Sort	
1	L	LARGE	0	255	0		3	
2	М	MEDIUM	255	255	128		2	5
3	S	SMALL	255	0	255		1	
4	XL	EXTRA LARGE	128	0	255		4	
5	XXL	EXTRA EXTRA LARGE	255	255	255		5	
6	XXXL	XXX LARGE	128	255	255		6	
7	XXXXL	XXXX LARGE	240	217	238		7	
8			0	0	0			

Here the user can add new matrix codes for current item if necessary or modify the existing ones (Refer to <u>Matrix Codes</u> 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.

em Code	MAP	_ITEM	Matrix Item			
Custome		D1-ABF	S 14	I 🜒 🕨 🕅 Ship To 2		Compare PY
Name		American Business Futures				
Size	ŀ	6 🔍	Color RED	٩,		
Period	Ending) Qty Sold	Sales \$	Cost of Sales	Qty Returned	2014 🍨
01	Jan 31	.00	.00	.00	.00	25
02	Feb 28	2.00	130.00	48.00	.00	
03	Mar 31	.00	.00	.00	.00	
04	Apr 30	.00	.00	.00	.00	
05	May 31	.00	.00	.00	.00	
06	June 3	00. 0	.00	.00	.00	
07	July 31	.00	.00	.00	.00	
08	Aug 31	.00	.00	.00	.00	
09	Sept 30	00. 0	.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	2.00	130.00	48.00	.00	

You can also drill down to the sales transaction history information

sege Sales Trans	action His	tory							x
Customer No.	01-ABF			Americ	an Business Futur	es	Year 2014	Period 02	
Item Code	MXP_ITE	м			Matrix Item		Ship	pTo 2]
Trans Date		Ref No.	Whse	Description	Quantity	Unit Cost	Extension	Item Cost	8
2/28/2014	SO	0100117	. 001	EAST WA	6.00-	24.000	144.00-	24.000	₩.
								<u>0</u> K	

877.475.4092 WWW.IIGSERVICES.COM 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.

em Code MX	P_ITEM				4 b b [" [0	Copy <u>F</u> rom	Renum <u>b</u> er	M.Sal <u>e</u> s [
escription Ma	trix Item			P					
<u>1</u> . Main	<u>2</u> . Addit	ional <u>3</u> . Qu	antity 🤤	4. History	<u>5</u> . Transactio	ns] <u>6</u> .0n	ders <u>7</u> . C	ost Detail <u>8</u> . 1	Matrix Detai
Product Line Product Type Valuation Procurement	SPW Finished Lot Make		ARE Weight Volume Inventory Cyc	0.0000 e	Unit of Me Standard Purchase Sales Matrix Iter	EACH EACH EACH	🔍 🌯 No.of E 🔍 No.of E		1
<u>Price Code</u> <u>Default Whse</u> Sales	000		AREHOUSE	Warra	ry Vendor 01- anty Code		🔍 🇞 Steve 🔍 – Last Costs	ns Supply	
Retail Price		65.000 🔚) Standa	ard Cost	24	.000 📰	Item	24	4.000
Standard Price	•	65.000 🔚) Averag	ge Cost	24	.012	Allocated		.000 📰
Last Sold		2/28/2014 🛅	Last R	eceipt	2/28/	2014 🚞	Total	24	4.000 📰
Quantities									
Whse Des	cription	On Hand	On PO	On SO	On Bk Ord	Committed	On WO	Req for WO	A: 📉
001 EAS	TRAL T WA ST WA	11,221.00 4,984.00 .00	20.00 10.00 .00	.00 11.00 .00	.00 4.00 .00	.00 15.00 .00	.00 .00 .00	.00 OO Matrix Det	ail, Alt-J
•									•

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.

arehouse 0	00 CENTRAL WARE	HOUSE					
	S	М	L	XL	XXL	XXXL	××××
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	95.00/95.00/20.00	10.00/10.00/0	50.00/50.00/0	15.00/15.00/0	6.00/6.0
YELL	500.00/500.00/0	80.00/80.00/0	100.00/100.00/0			12.00/12.00/0	8.00/8.0
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	
GRAY	500.00/500.00/0	100.00/100.00/0	35.00/35.00/0				
RED	500.00/500.00/0	100.00/100.00/0	10.00/10.00/0	10.00/10.00/0	0/0/0	0/0/0	
BLUE	5,000.00/5,000.00/0	89.00/89.00/0			0/0/0	0/0/0	
GREEN	475.00/475.00/0	100.00/100.00/0	8.00/8.00/0	10.00/10.00/0	0/0/0	0/0/0	
	500.00/500.00/0	90.00/90.00/0					

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.

Use the **MXP Sales History** popup menu button to view Matrix Item Sales history information by customer and by the Item Matrix codes.

It is necessary to have the **Retain Lot/Serial Item History** option set for Lot Items in the Sales Order Options in order to be able to view Matrix **Sales History**, otherwise the following message appears:

599 S	age 100 ER	۲P									×
į	System	indicate:	s that the 'Re	tain	Lot/Serial I		istory' o	otion is not se	et for Lot i	items.	
sage Ma	atrix Sales Hist	ory Inquiry	1								- O X
ltem	Code MXP_I	TEM			Matrix I	tem					
	w Detail 🔽 elections										
	elect Field		Operand		Value						
In	voice Date		Range	-	11/1/2013		11/30/2	013			
	atrix Size		All	-							
	atrix Color		All	•							
	ustomer Number		All	•							
	[
_	Size	Color	Invoice No	I.	Date	Customer No.	Na	ime			Quantity
								<u>S</u> can History) 🥒 (Cjear	<u>C</u> lose

Matrix Sales History Inquiry window is opened with Item Code defaulted to the one selected in the Item Maintenance.

Show Detail flag is set by default to allow viewing detail sales history information by customer, Invoice number, Invoice date.

If this flag is turned off the user may view matrix item sales history only by the Item Matrix Codes and the total quantities sold to customers for the selected period.

The **Invoice Date** is defaulted respectively to starting and ending dates of current inventory period setup in the Inventory Management options.

After making the necessary selections press the **Scan History** button to have the information loaded into the grid:

now Detail 🛛 📝 Selections						
Select Field		Operand	Value			
Invoice Date		Range	• 11/1/2013		11/30/2014	
Matrix Size		All	•			
Matrix Color		All	•			
Customer Numb	er	All	•			
Size	Color	Invoice No.	Date	Customer No.	Name	Quantity
						-
L	BLACK GREEN	0100115	1/20/2014	01-ABF 01-ABF	American Business Futures American Business Futures	2.00
L	RED	0100115	1/20/2014	01-ABF	American Business Futures	3.00
L	WHITE	0100115	2/28/2014	01-ABF	American Business Futures	3.00
S	BL_LT	0100117	2/28/2014	01-ABF	American Business Futures	1.00
S	RED	0100117	2/28/2014	01-ABF	American Business Futures	2.00
XL	GR_LT	0100115	1/20/2014	01-ABF	American Business Futures	2.00
	an_er	0100113	172072014	01.001	Anchean Business Futures	2.00

Customer Matrix Sales History

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

Customer No.	01-ABF	Depy Copy	y From Renumber				
Name	American Business Futures		Contacts				
<u>1</u> . Main	2. Additional 3. Statistics 4. Summary	5. History 6. Inv	oices 7. Transactions 1. Items				
Address	2131 N. 14th Street 🧭	Terms Code	01 Q Net 30 Days Invoices Inquin				
	Suite 100	Primary Contact	ARTIE JOHN 🔍 Art RMA Inquiry				
	Accounting Department	Ship Code	UPS BLUE				
ZIP Code	53205-1204	Primary Ship To	2 🔍 American Business Future				
City	Milwaukee State WI						
Country Residential A	USA 🔍 United States of America	Tax Schedule	WI MILMIL Q Milwaukee Exemptions				
Salesperson	0100 🔍 Jim Kentley Split Comm.						
Telephone Fax	(414) 655-4787 Ext 219	Credit Hold					
		Credit Limit	120,000.00				
E-mail Addres	s artie@abf.com						
URL Address	www.abf.com						

Click the **Items** menu.

Sage 100 ERP
Detailed Sales History
Item 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.

ustomer l	No. 01-ABF		American Busir	ness Futures	<u>A</u> lias	Pricing
ltem Cod Descripti			~ %	I4 4 ▶ ▶I Ship To		Compare P <u>Y</u>
Size		۹,	Color	٩,		_
Period	Ending	Qty Sold	Sales \$	Cost of Sales	Qty Returned	2013 🔶
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	

Customer / Item Lis	t		
Item Code	Description	Lot Serial No	Ship To Code
BELT-WIDE BLINKERS MXP_ITEM	WIDE BELT BLINKERS Matrix Item	STD BLUE M YELL L BLACK	2 2 2
MXP_ITEM MXP_ITEM MXP_ITEM	Matrix Item Matrix Item Matrix Item	L GREEN L RED M WHITE	2 2 2 2
MXP_ITEM MXP_ITEM MXP_ITEM	Matrix Item Matrix Item Matrix Item	S BL_LT S RED XL GR_LT	2 ≡ 2 2 2 2
T-SHRT T-SHRT	T-SHIRT T-SHIRT	L GR_LT L RED	2
T-SHRT T-SHRT T-SHRT	T-SHIRT T-SHIRT T-SHIRT	S GR_LT XL BLUE XL WHITE	2 -
	III		•
Search Item Code Filters	✓ Begins with ✓		<u>F</u> ind
Custom		<u>S</u> elect <u>C</u>	Cancel 戻 🔒 🕜
Found 16 records			.::

Customer I	No. 01	1-ABF	American Bu	siness Futures	<u>A</u> lias	Pricing
ltem Cod Descripti	- P	MXP_ITEM Matrix Item	٩, ٩		2 🔍 🗒 AII	Compare PY
Size	Ī	м	Color WHI			
Period	Ending	g Qty Sold	Sales \$	Cost of Sales	Qty Returned	2014
01	Jan 31	.00	.00	.00	.00	
02	Feb 28	3.00	195.00	72.00	.00	
03	Mar 31	.00	.00	.00	.00	
04	Apr 30	.00	.00	.00	.00	
05	May 31	.00	.00	.00	.00	
06	June 3	00. 00	.00	.00	.00	
07	July 31	.00	.00	.00	.00	
08	Aug 31	.00	.00	.00	.00	
09	Sept 30	00. 0	.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	72.00	.00	

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.

Customer No.				Americ	an Business Future	es	Year 2014	Period 02	
tem Code	MXP_ITEM				Matrix Item		Ship To 2		
Trans Date	Туре	Ref No.	Whse	Description	Quantity	Unit Cost	Extension	Item Cost	2
2/28/2014	SO	0100117	. 001	EAST WA	6.00-	24.000	144.00-	24.000	2

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.

👓 Role Mair	tenance (MXD) 11/14/2014	
Role	Admin 🖂 🖬 🌒 🕨	Copy Role
Description	Admin	
<u>1</u> . Tasks	2. Security Events 3. Module Options 4. SData Security	y] <u>5</u> . ODBC Security]
🕀 🗹 Ge	neral Ledger	A
📃 🖂 Inv	ventory Management	
	Allow Access to Private Batches	
	Allow adding only existing system matrix codes	
	Allow Automatic Display of Full Extended Item Description Whe	
	Allow Defaulting of Quantity on Hand to Quantity Counted in Pl	hysical Count E
	Allow Inactive Items During I/M Transaction Entry	-
	Allow Printing of Quantity on Hand on Physical Count Workshe	et
	Allow Purging of Item Audit	
	I Allow Updating of Registers from Preview	
± ≤ LIL	rary Master	
•		•
	<u>Accept</u>	Delete

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.

🤓 Matrix Code N	Maintenance (MXD)) 7/3/2015								-	• ×
Item Code Description Matrix Code C	 Category Description	Size	- 9 % 14	4 🕨 0	N (òy <u>s</u> tem (Codes			Ac	ld <u>F</u> rom <u>U</u> PC
	Matrix Code	D	escription		R	G	В	Color	Sort		
						A	cept	<u>C</u> ano	el <u>D</u>	elete	8

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.

Description "SYSTEM MATRIX CODES" Matrix Code Category Description Size I L LARGE 255 255 3 2 S SMALL 255 255 3 2 S SMALL 255 255 1 3 XL EXTRA LARGE 255 255 4 4 XXL EXTRA LARGE 255 255 5 5 XXL EXTRA LARGE 255 255 6 6	tem C	ode SYSTEM_MAT	RIX* 🔤 🕹 🚺 🖌 🕨	M [3	Sy <u>s</u> tem I	Codes			Add Ero
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 5 5 XXL THE LARGEST 255 255 255 6	Descri	ption *SYSTEM MATE	RIX CODES*	_					UP
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 LARGE 255 255 255 5 5 XXL THE LARGEST 255 255 255 6	Matrix	Code Category Descript	ion Size 🔻						
2 S SMALL 255 255 14 3 XL EXTRA LARGE 255 255 4 4 XXL EXTRA EXTRA LARGE 255 255 5 5 XXL THE LARGEST 255 255 255 6		Matrix Code	Description	R	G	В	Color	Sort	
2 S SMALL 255 255 14 3 XL EXTRA LARGE 255 255 4 4 XXL EXTRA EXTRA LARGE 255 255 5 5 XXL THE LARGEST 255 255 255 6	1	L	LARGE	255	255	255		3	
3 XL EXTRA LARGE 255 255 255 4 4 XXL EXTRA EXTRA LARGE 255 255 255 5 5 XXL THE LARGEST 255 255 255 6	2	S	SMALL	255	255	255		1	
5 XXL THE LARGEST 255 255 6	3	XL	EXTRA LARGE	255	255	255		4	· · ·
	4	XXL	EXTRA EXTRA LARGE	255	255	255		5	
6 0 0 0	5	XXXL	THE LARGEST	255	255	255		6	
	6			0	0	0			

naux	Code Category Descriptio	n Color 👻			N			
	Matrix Code	Description	R	G	hiB	Color	Sort	
1	BLACK	BLACK	64	0	64		6	
2	BLUE	BLUE	0	0	255		5	0
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			

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.

				Gy <u>s</u> tem I	Lodes			Add Ero
Descrip	otion WIDE BELT		_					UPC
Matrix (Code Category Description	n Color 🔻						
	Matrix Code	Description	R	G	В	Color	Sort	
1	BLACK	BLACK	64	0	64		6	
2	BLUE	BLUE	0	0	255		5	0
3	GREEN	GREEN	0	255	0		4	- <u></u>
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			

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

🔤 Copy Matri	x Codes		×
Item Code Description		 	Q
		<u>0</u> K	<u>C</u> ancel

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

🎫 Copy Matri	x Codes		×
Item Code	MXP_ITEM		٩
Description	Matrix Item		
		<u> </u>	<u>C</u> ancel

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.

	ption WIDE BELT Code Category Descript	ion Size 💌						UPC
	Matrix Code	Description	R	G	В	Color	Sort	_ ₽
1	L	LARGE	255	255	255		3	
2	S	SMALL	255	255	255		1	0
3	XL	EXTRA LARGE	255	255	255		4	1
4	XXL .	EXTRA EXTRA LARGE	255	255	255		5	
5	XXXL	THE LARGEST	255	255	255		6	
6			0	0	0			

The **UPC** button links to **Matrix Item UPC Code Maintenance** for the selected Item. If there are UPC codes already generated for current Item Matrix Lots, they will be loaded.

em Code	NEW_MATRIX	- ¹ , 1	-D
	UCC Code 123456	Auto Next No. 00027	79
	Matrix Lot	UPC	<u> </u>
1	S WHITE	01234560002504	-~~
2	S YELL	01234560002511	
3	S RED	01234560002528	
4	S GREEN	01234560002535	
5	S BLUE	01234560002542	
6	S BLACK	01234560002559	
7	L WHITE	01234560002566	
8	L YELL	01234560002573	
9	L RED	01234560002580	
10	L GREEN	01234560002481	
11	L BLUE	01234560002597	
12	L BLACK	01234560002603	
13	XL WHITE	01234560002610	
14	XL YELL	01234560002627	
15	XL RED	01234560002634	
16	XL GREEN	01234560002641	
17	XL BLUE	01234560002658	-

Pint button allows printing the Matrix Codes listing:

Report Setting Description	STANDA	RD Ides Listing		Q			S <u>a</u> ve •
- Setting Options -							
Туре	Public	-	Pr	int Report Settings 📃]	Number of Copies	1
Default Report			Tł	nree Hole Punch]	Collated	1
Selections Select Field		Operand		Value			
		All	•				
Matrix Item Code				1			
Matrix Item Code Matrix Item Desc	ription	All	•				

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:

	► H 1	/1+ 🦍 🔍 🗸				
rt						
Matrix Codes Listing						
Sorted by Matrix Iten	n Code					
						(MXD)
Item Code Categor	y MatrixCode	Matrix Code Description	R	G	в	Sort
SYSTEM MATRIX *S	STEM MATRIX COD	ES*				
	# L	LARGE	255	255	255	3
	S	SMALL	255	255	255	1
	XL	EXTRALARGE	255	255	255	4
	XXL	EXTRA EXTRALARGE	255	255	255	5
	XXXL	THELARGEST	255	255	255	6
Colo	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	r					
Size	STD	FITS ALL SIZES	255	255	255	
Colo	BLACK	BLACK	64	0	64	
	BLUE	BLUE	0	ō	255	
	BROWN	BROWN	128	64	64	
	GREEN	GREEN	0	128	128	
	WHITE	WHITE	255	255	255	

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.

<u>Prepacks</u>

In the Item Maintenance program, select a Matrix Item.

	P_ITEM			6	4 P PI [Copy Erom	Renum <u>b</u> er	More
escription Ma <u>1</u> . Main <u>Product Line</u> Product Type Valuation Procurement <u>Price Code</u>	2. Add SPW Finished Lot Make	SPORTSW/			5. Transactio Unit of Me Standard Purchase Sales Matrix Iter ry Vendor 01-	EACH EACH EACH	ders Z.C Q No. of E Q No. of E Q No. of E	ACH	Vendors Alias Alternate Reorder Pricing Price Lookup Sales Promotion Lot / Serial Lot / Serial Orders Prepacks
Default Whee Sales Retail Price Standard Pric Last Sold		65.000 (m) 65.000 (m) 65.000 (m) 2/28/2014 (m)	Purch Stand	2	24	000 🗐 012 2014 📰	Cast Costs Item Allocated Total	2	Matrix Codes Matri <u>x</u> Sales MXP Sales <u>H</u> istory .000
000 CEN 001 EAS	cription ITRAL T WA ST WA	On Hand 11,221.00 4,984.00 .00	On PO 20.00 15.00 .00	On SO .00 16.00 .00	On Bk Ord .00 4.00 .00	Committed .00 20.00 .00	0n W0 .00 .00 .00	Req for W0 .00 .00 .00	A. 11, 4,
4			111						•

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

Item Code Customer No.	MXP_ITEM							
Prepack Code Description	STD 145 http: Standard					Enter quantities by Columns		
	S	м	L	XL	XXL X	XXXL	XXXXL	
WHITE	1.00	.00	1.00	.00	.00	.00	.00	
BL_LT	.00	.00	.00	.00	.00	.00	.00	
YELL	3.00	.00	.00	3.00	.00	.00	.00	
GR_LT	.00	.00	.00	.00	.00	.00	.00	
GRAY	.00	.00	.00	.00	.00	.00	.00	
RED	.00	.00	.00	.00	.00	.00	.00	
BLUE	.00	.00	.00	.00	.00	.00	.00	
GREEN	1.00	.00	1.00	1.00	.00	.00	.00	
	.00	.00	.00	.00	.00	.00	.00	

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:

ltem Code Customer No.	MXP_ITEM Matrix Item 01-ABF American Business Futures								
Prepack Code Description	LSIZE LSIZE Enter quantities by Columns								
	S	м	L	XL	XXL	XXXL	XXXXL		
WHITE	.00	.00	2.00	.00	.00	.00	.00		
BL_LT	.00	.00	3.00	.00	.00	.00	.00		
YELL	.00	.00	1.00	.00	.00	.00	.00		
GR_LT	.00	.00	4.00	.00	.00	.00	.00		
GRAY	.00	.00	3.00	.00	.00	.00	.00		
RED	.00	.00	3.00	.00	.00	.00	.00		
BLUE	.00	.00	2.00	.00	.00	.00	.00		
GREEN	.00	.00	4.00	.00	.00	.00	.00		
	.00	.00	2.00	.00	.00	.00	.00		

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**. **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).

999 I/M Prepack C	ode List			
Prepack Code	Description		Customer No.	
STD LSIZE AVN_1	Standard L_Size Items Prepack 1		01-ABF 01-AVNET	
Search Prepar Filters Custom	ck Code	▼ Begins with ▼	<u>S</u> elect	Eind
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

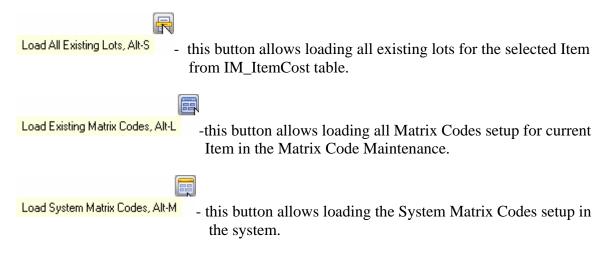
The Matrix Item UPC Maintenance program under the Inventory Management Setup menu allows for assigning UPC Codes to the Matrix Lot.

em Cod	e MXP_ITEM	···	<u>10</u>
	UCC Code 123456	Auto Next No. 0002	30
	Matrix Lot	UPC	
22	L GR_LT	01234560002085	
23	L GRAY	01234560002092	E E
24	L RED	012345600020 Assign L	IPC AH-Y
25	L GREEN	01234560002078	
26	L BLACK	01234560002108	
27	XL WHITE	01234560002115	
28	XL BL_LT	01234560002122	
29	XL GR_LT	01234560002139	
30	XXL BL_LT	01234560002146	
31	XXL GR_LT	01234560002153	
32	XXXL BL_LT	01234560002160	
33	XXXL YELL	01234560002177	
34	XXXL GR_LT	01234560002184	=
35	XXXXLBL_LT	01234560002283	
36	XXXXLYELL	01234560002290	
37			
			-

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.



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:

Matrix UPC Codes Listing	? ×
INVENTORY MANAGEMENT MATE	RIX UPC CODES LISTING
Adobe PDF 🔹	Print Pre <u>v</u> iew <u>S</u> etup

Here is an example of printout:

Matrix UPC Codes Listing	▶ ⊨ 1 /1 M €, •		
Matrix Item UPC Codes Lis	sting		
			(MXD)
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	
	S BL_LT	01234560001958	
	S GRAY	01234560002016	
	S GREEN	01234560001989	
	S GR_LT	01234560001996	
	e pen	01224560001972	
ent Page No.: 1	Total Page No.: 1	Zoom Factor: 100%	

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.

em Code	MXP_ITEM				Matrix It	em				Matrix Cod
Init of Measu	ure EACH									
	S	М		L	XL	XXL	XXXL	XXXXL		
WHITE	[500.00/0]	[800.0	0/0]	[95.00/0] [122.00/0]					
BL_LT	[500.00/0]	[80.00	0/0]	[95.00/0] [10.00/0]	[50.00/0]	[15.00/0]	[6.00/0]		
YELL	[500.00/0]	[80.00	0/0]	[100.00/	0]		[12.00/0]	[8.00/0]		
GR_LT	[500.00/0]	[100.0	0/0]	[95.00/0] [5.00/0]	[10.00/0]	[11.00/0]			
GRAY	[500.00/0]	[100.0	0/0]	[35.00/0)]					
RED	[500.00/0]	[100.0	0/0]	[10.00/0] [10.00/0]	[0/0]	[0/0]			
BLUE	[5,000.00/0]	[89.00	0/0]			[0/0]	[0/0]			
GREEN	[475.00/0]	[100.0	0/0]	[8.00/0]	[10.00/0]	[0/0]	[0/0]			
	[500.00/0]	[90.00	0/0]							
1	Lot Number	0	Avai	ilable	Distribute .00				1 🕅 (4	Enter quantities by Columns Construct Grid by only exist Matrix Codes Show Quantities On Hand
										Available
										_
							Distribution	Balance	.00	Distributed 🔽

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.

em Code	MXP_ITEM				Matrix Ite	em			Matrix Code
Init of Measu	are EACH								
	S	М	L		XL	XXL	XXXL	XXXXL	
WHITE	[500.00/0]	[800.00	/0] [95.00)/0]	[122.00/0]				
BL_LT	[500.00/0]	[80.00/	/0] [95.00)/0]	[10.00/0]	[50.00/0]	[15.00/0]	[6.00/0]	
YELL	[500.00/0]	[80.00/	/0] [100.0	0/0]			[12.00/0]	[8.00/0]	
GR_LT	[500.00/0]	[100.00	/0] [95.00)/0]	[5.00/0]	[10.00/0]	[11.00/0]		
GRAY	[500.00/0]	[100.00	/0] [35.00)/0]					
RED	[500.00/0]	[100.00	/0] [10.00)/0]	[10.00/0]	[0/0]	[0/0]		
BLUE	[5,000.00/0]	[89.00/	'0]			[0/0]	[0/0]		
GREEN	[475.00/0]	[100.00	/0] [8.00	/0]	[10.00/0]	[0/0]	[0/0]		
	[500.00/0]	[90.00/	'0]						
1	Lot Number	Q	Available .00		listribute .00				Enter quantities by Columns Construct Grid by only exist Matrix Codes
									Show Quantities On Hand 🛛 🔽 Available

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.

em Code	MXP_ITEM				Matrix It	em				Matrix Code
nit of Measur	e EACH									
	S	М	1	L	XL	XXL	XXXL	XXXXL		
WHITE	[500.00/0]	[800.0)0/0]	[95.00/0] [122.00/0]					
BL_LT	[500.00/0]	[80.0	0/0]	[95.00/0] [10.00/0]	[50.00/0]	[15.00/0]	[6.00/0]		
YELL	[500.00/0]	[80.0	0/0]	[100.00/	[]		[12.00/0]	[8.00/0]		
GR_LT	[500.00/0]	[100.0)0/0]	[95.00/0] [5.00/0]	[10.00/0]	[11.00/0]			
GRAY	[500.00/0]	[100.0)0/0]	[35.00/0]					
RED	[500.00/0]	[100.0)0/0]	[10.00/0] [10.00/0]	[0/0]	[0/0]			
BLUE	[5,000.00/0]	[89.0	0/0]			[0/0]	[0/0]			
GREEN	[475.00/0]	[100.0)0/0]	[8.00/0]	[10.00/0]	[0/0]	[0/0]			
	[500.00/0]	[90.0	0/0]							
1	Lot Number	Q	Ava	ailable .00	Distribute .00				1	Grid column Width 10 Enter quantities by Columns Construct Grid by only exist Matrix Codes
										Show Quantities On Hand 🛛 🔽 Available 📄
U <u>P</u> C V	1						Distribution	Balance	.00	On Hand 🛛

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:

Receipt of Goods Entry (MXD) 11/14/2014	
Receipt Number 001061 Image: Contract of the second secon	Defaults
So the second se	<u>2</u> , 20, 20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1
Sage 100 ERP	
	tal Amount .00
	Cancel Delete

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.

<u>1</u> . Header]	<u>2</u> . Address	[] 14 ◀ ▶ ▶ <u>3</u> . Lines	4. Totals		Ĺ	Defaults
i do 😒	-	Quick Row	1 🔁	P		2 ∃44 ₽ ∙
	Item Code	Ordered	Received	Unit Cost	Extension	Com
1 CAP		25.00	25.00	11.600	290.00	
2		.00	.00	.000	.00	
2		.00	.00	.000	.00	,
•	CAP			.000	.00	
Description	CAP 001			.000	.00	
•	001			.000	.00	

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.

em Code	MXP_ITEM	l		Matrix Ite	em				Matrix Code
nit of Measu	are EACH								
	S	М	L	XL	XXL	XXXL	XXXXL		
WHITE	[500.00/0]	[800.00/0]	[95.00/0]	[122.00/0]					
BL_LT	[500.00/0]	[80.00/0]	[95.00/0]	[10.00/0]	[50.00/0]	[15.00/0]	[6.00/0]		
YELL	[500.00/0]	[80.00/0]	[100.00/0	1		[12.00/0]	[8.00/0]		
GR_LT	[500.00/0]	[100.00/0]	[95.00/0]	[5.00/0]	[10.00/0]	[11.00/0]			
GRAY	[500.00/0]	[100.00/0]	[35.00/0]						
RED	[500.00/0]	[100.00/0]	[10.00/0]	[10.00/0]	[0/0]	[0/0]			
BLUE	[5,000.00/0]	[89.00/0]			[0/0]	[0/0]			
GREEN	[475.00/0]	[100.00/0]	[8.00/0]	[10.00/0]	[0/0]	[0/0]			
	[500.00/0]	[90.00/0]							
1	Lot Number	Av	ailable .00	Distribute .00				1	Grid column Width 10 Enter quantities by Columns
									On Hand 🛛 🔹
						Distribution E	alance	25.00	

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.

so: Sales (Order Enti	ry (MXD) 11/14	4/2014				
Order Nu	umber 0	000226	115 14 4	Þ ÞI 🗐		opy <u>f</u> rom	aults Customer Credit
<u>1</u> . He	ader 🗎	2. Address	<u>3</u> . Lines	<u>4</u> . Totals	5. Credit Card	Jser useriig	
T	8 H	H - -	Quick Row	1	P		22 🕵 (= (= 5 , •
	Ite	em Code	Ordered	ot/Serial Distributio Back Urdered	on, Alt-Y Unit Price	Extension	Comment
1	MXP_IT	EM	10.00	.00	65.000	650.00	
2			.00	.00	.000	.00	
•				III			•
Des	scription	Matrix Item		*			
Wa	rehouse	001					
Unit O	f Measure	EACH					
	nipped			.00			
	-	1					
Availat	ole Quantity	in this Warehou	use is 4964 EACH			To	tal Amount 650.00
Print <u>O</u> rde	er Print I	Pic <u>k</u> 🥐 Re	ecalc Price			Accept	Cancel Delete 🖨 📀

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.

	le leasi	MXP_ITEM			Matrix Ite	m				Matrix Code
	10030	S	м	L	XL	XXL	XXXL	XXXXL		
WHI	TE	[500.00/0]	[30.00/5.00]	[0/0]						
BL_I	T	[494.00/3.00]	[198.00/0]	[0/0]						
YEL		[500.00/0]	[97.00/0]							
GR_	LT	[500.00/0]			[5.00-/0]	[0/0]				
GR/	١Y	[500.00/0]								
RE)	[496.00/2.00]		[5.00-/0]						
BLU	E	[500.00/0]								
GRE	EN	[500.00/0]		[3.00-/0]						
		[500.00/0]		[2.00-/0]						
1 2 3	s	Lot Number WHITE BL_LT RED	Ava	ilable 30.00 494.00 496.00 .00	Distribute I 5.00 3.00 2.00 .00					Grid column Width 10 C
4									1-	Show Quantities On Hand Available 🔽

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.

m Code	MXP_ITEM	I		Matrix It	em				Matrix Code
nit of Meas	ure EACH								
	S	м	L	XL	XXL	XXXL	XXXXL		
WHITE	[500.00/0]	[30.00/0]	[0/0]						
BL_LT	[494.00/0]	[198.00/0]	[0/0]						
YELL	[500.00/0]	[97.00/0]							
GR_LT	[500.00/0]			[5.00-/0]	[0/0]				
GRAY	[500.00/0]								
RED	[496.00/0]		[5.00-/0	1					
BLUE	[500.00/0]								
GREEN	[500.00/0]		[3.00-/0	1					
	[500.00/0]		[2.00-/0]					
	Lot Number		ailable	Distribute	Ordered	Backordered			Grid column Width 10 ф
1		۹,	.00	.00	.00	.00	1		Columns -
									Enter qty for Distribute
									Show Quantities On Hand Available
								10.00	Distributed
				Is and D - Is					
				ackorder Balance ty Backordered	.00			.00	Distributed

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".

em Cod	le	MXP_ITEM			Matrix Iter	m			Matrix Co	odes
nit of M	leasi	ure EACH								
		S	М	L	XL	XXL	XXXL	XXXXL	Alt - G	
WHI	TE	[500.00/0]	[30.00/5.00]	[0/0]						
BL_L	_T	[494.00/3.00]	[198.00/0]	[0/0]						
YEL	L.	[500.00/0]	[97.00/0]							
GR_I	LT	[500.00/0]			[5.00-/0]	[0/0]				
GRA	١Y	[500.00/0]								
RE	D	[496.00/2.00]		[5.00-/0]						
BLU	E	[500.00/0]								
GRE	EN	[500.00/0]		[3.00-/0]						
		[500.00/0]		[2.00-/0]						
		Lot Number	Ava	ilable	Distribute	Ordered	Backordered		Grid column Width 10 Enter quantities by	÷
		WHITE		30.00	5.00	5.00	.00	1	Columns 👻	
1	м									
1 2	S	BL_LT		494.00	3.00	3.00	.00		Enter gty for	
1 2 3	S			496.00	3.00 2.00	2.00	.00. .00		Enter qty for Distribute	
	S	BL_LT	Q					1	Distribute -	
3	S	BL_LT	٩	496.00	2.00	2.00	.00	1	Distribute	
3	S	BL_LT	Q	496.00	2.00	2.00	.00	1	Distribute -	
3	S	BL_LT	Co.	496.00	2.00	2.00	.00	1	Distribute	
3	S	BL_LT	Q	496.00	2.00	2.00	.00	1	Distribute	

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.

Line number 1 has Negative Backorder Distribution Balance.)	so: Sage
	der Distribution Balance.	nber 1 has Negative Backord	(į)

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.

sage	Sage	: 100 ERP
Q	Q	Line(s) 1 found with Backorder Quantity not distributed fully.

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:

(Order	Number 000	0237	1942			-	py from Default	s Custor	
	1.	Header <u>2</u> .	Address	<u>3</u> . Lines	4. Totals	<u>5</u> . Cred	t Card	lser useriig		
ê	Ì	f 📎 (H) (H) • 📉 •	Quick Row	1 🛃	P E				🕵 (= (= 🌄 •
1	—	Item	Code	Ordered	Back Ordered	Unit	Price	Extension		Comment
	A	MXP_ITEM	1	10.0	0 4.00		65.000	650.00		
ot/Se	rial I	No Matrix Dis		ŋ			-			
m Cod	le	MXP_ITEM			Matrix Item					Matrix Co
iit of M	leasu	are EACH								
		S	м	L	XL	XXL	>00	L XXXXL		
WHIT		[498.00/0]	[24.00/2.00]	[0/0]						
BL_L	-	[474.00/2.00]		[0/0]						
YEL	_	[500.00/0]	[89.00/0]							
GR_L		[500.00/0]			[5.00-/0]	[0/0]				
GRA	19	[498.00/0]								
REI	0	[498.00/0]		[5.00-/0]						
BLU	E	[495.00/0]								
GREE	EN	[500.00/0]		[3.00-/0]						
		[500.00/0]		[2.00-/0]						
										Grid column Width 10
		Lot Number	Ava	ilable	Distribute					Enter quantities by
1	М	WHITE		24.00	2.00					Columns 🔹
2	S	BL_LT		474.00	2.00				-	
3			4	.00	.00					
									7.	
									1000	Show Quantities On Hand
	-						Dist	No. Dalassa	2.00	Available Distributed
							Distrit	oution Balance	2.00	Distributed

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.

sage	Item Pa	ckaging Maintenan	ce						
	Package	0001 🖂 🏷 🚺							
		Item on Order	Quantity on Order	In Package	Quantity in Package		Lot/Serial No	Quantity Available	
	1	MXP_ITEM	0.00	4	0.00	М	YELL	0.00	6
	2	MXP_ITEM	1.00	☑	1.00	S	BL_LT	0.00	i 👼 🔹 🗌
							Accept	<u>Cancel</u> <u>D</u> elet	e 🕜:

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.

Lot/Serial N	o Matrix Distributi	on Entry						
Item Code Unit of Measur	MXP_ITEM e EACH		Matrix I	tem				Matrix Codes
	S	М	L		XL	XXL	XXXL	XXXXL
WHITE	[500.00/0]	[31.00/0]	[0/0]]				
BL_LT	[495.00/0]	[198.00/0]	[0/0]]				
YELL	[500.00/0]	[97.00/0]						
GR_LT	[500.00/0]				[5.00-/0]	[0/0]		
GRAY	[500.00/0]							
RED	[498.00/0]		[5.00-/	'0]				
BLUE	[500.00/0]							
GREEN	[500.00/0]		[3.00-/	-				
	[500.00/0]		[2.00-/	'0]				
•								•
	1						Grid colum	n Width 15 🚊
	Lot Number	Available	Distribute				Enter quan	tities by
1	۹,	.00	.00				Column	s v
							3	
						17		
							Show Q On Har	luantities
							Availab	
					Distribution Balar		00 Distribu	
					Qty Distributed		00 00	
					gly Distributed			
							<u></u> K	<u>C</u> ancel

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.

Transacti Transacti Entry Nur <u>1</u> . Hea	mber 00000103		D			
	≫ 🐯 ▪	Quick Row	1		22 in (14 (= 🛃 🔹
	Ite	m Code	Quantity	Unit Cost	Extension	
1 1	MXP_ITEM		5.00	24.000	120.00	
D	Color	Q	Available	Distribute		
	Lot Number	C	.00	.00	10	
Unit W	Distribution Balance	5.00	-	<u> </u>	<u>C</u> ancel	
				Total A	mount	120.00
				Accept Ca	ancel <u>D</u> elete	8

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

👓 Matrix Distribu	tion Entry		×
Item Code Unit of Measure	MXP_ITEM EACH		
Size Color Lot Number	M [4] GREEN [4] M GREEN [4]	Available 100.00	Distribute
Distribution Balanc	ce .00		<u>O</u> K <u>C</u> ancel

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.

Physica Warehou Descriptio	ise 🛛 🖸	Entry (MXD) 11/17/	2014 N					×
<u>1</u> . Hea		<u>2</u> . Lines						
		Q	uick Row		1 🛃 🛛 🎎			J •
			Add New Lo	ot/S	erial Number, Alt-L			
		Item Code	Bin Location		Lot/Serial	Quantity on Hand	Quantity Counted	-
5	MXP_IT	EM		L	WHITE	.00	.00	
6	MXP_IT	EM		М	BL_LT	200.00	.00	
7	MXP_IT	ΈM		М	WHITE	197.00	.00	Ξ
8	MXP_IT	EM		М	YELL	100.00	.00	
9	MXP_IT	EM		S	BLACK	500.00	.00	
10	MXP_IT	ЕM		S	BLUE	500.00	.00	
11	MXP IT	EM		S	BL LT	499.00	.00	Ŧ
Invent	ory Cycle				*			
Produ	uct Line	SPW			_			
Produ	ict Type	Finished Goods			=			
Procu	urement	Make			~			
						Acce	pt <u>C</u> ancel (•

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

Add New Matrix Lo	ot				×
Item Code	MXP_ITEM				
Size	L		٩,		
Color	BLUE		٩,		
Quantity Counted		3.00			

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.

tem Code	MXP_ITEM		Matrix Item			h	atrix Codes
Jnit of Measur	re EACH					_	
	S	м	L	XL	XXL	XXXL	××××
WHITE		[3.00/0]					
BL_LT	[1.00/0]						
YELL							
GR_LT							
GRAY							
RED	[2.00/0]						
BLUE							
GREEN							
•							•
	Lot Number	Available	Distribute			Grid column Wie	
1	۹,	.00	.00			Enter quantities Columns	by ▼
		1				Columns	•
					P		
					2-	- Show Quant	ities
						Available	\checkmark
				Distribution B-	alance 6.00	Available Distributed	V

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.

Production Entry (MXD) 11/17/2014	
Production Number 00000016	De <u>f</u> aults
1. Header 2. Lines Production Date 11/17/2014	
Bill Number MXP_ITEM Q III MXP Bill Type Standard Standard	
Revision Image: Constraint of Measure EACH	
Parent Warehouse 000 CENTRAL WAREHOUSE Component Warehouse 000 CENTRAL WAREHOUSE Explode Sub-Assemblies Matrix Auto Distribute Lines	
Accept Cancel	elete 🔒 🕢

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:

em Code Init of Measu	MXP_ITEM		Matrix Iter	n		4	1atrix Codes
	S	м	L	XL	XXL (XXXL	
WHITE	[500.00/0]	[800.00/0]	[95.00/0]	[122.00/0]			
BL_LT	[500.00/0]	[80.00/0]	[95.00/0]	[10.00/0]	[50.00/0]	[15.00/0]	[6.00/
YELL	[500.00/0]	[80.00/0]	[100.00/0]		[12.00/0]	[8.00/
GR_LT	[500.00/0]	[100.00/0]	[95.00/0]	[5.00/0]	[10.00/0]	[11.00/0]	
GRAY	[500.00/0]	[100.00/0]	[35.00/0]				
RED	[500.00/0]	[100.00/0]	[10.00/0]	[10.00/0]	[0/0]	[0/0]	
BLUE	[5,000.00/0]	[89.00/0]			[0/0]	[0/0]	
GREEN	[475.00/0]	[100.00/0]	[8.00/0]	[10.00/1.00]	[0/0]	[0/0]	
	[500.00/0]	[90.00/0]					
1 XL 2	Lot Number GREEN	Available 10.00 .00	Distribute 1.00 .00			Grid column Wi Enter quantities Rows	
					E C		tities

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.

		0000016	14 4 6 61					Defaults		
	- 13	Quic	k Row 2	.) 😰 🕄				- 🛃 🔹		
		de	Quantity/Bill Extended Quantity				Comment			
	1 CAP			1.00		1.00				
	A 2 T-SHRT		9	2.00		2.00				
Lot/Seri	ial No Matrix Distribu	tion Entry								
em Code	T-SHRT		T-SHIF	т					Matrix Code	
	easure EACH									
	S	м	L		XL		×1L	XXXL	>>>>	
WHIT	E [0/0]	[0/0]	[0/0]	1 [2	2.00-/0]					
BL_L1	T [0/0]	[0/0]	[0/0]						[0/0	
YELL	. [0/0]	[2.00/0]	[0/0]		[0/0]	(0/0]	[0/0]	[0/0	
GR_L	T [3.00/0]		[3.00/	0]	[1.0		.00/0]	[2.00/0]		
GRAY	r [0/0]	[0/0]	[0/0]	1	[0/0]	[0/0]	[2.00/0]	[0/0	
RED	[0/0]	[0/0]	[9.00-/	'0]	[0/0]					
BUUE	[0/0]	[0/0]	[0/0]	1 0	2.00/0]	(0/0]			
GREE	N [0/0]	[0/0] [0/0]				[0/0]		[0/0	
	[0/0]	[0/0]	[0/1.0	0]	[0/0]			[0/0]		
				III 2						
	Lot Number	Available	Distribute					Grid colur	mn Width 15 🛟	
1	L BLACK	.00	1.00					Enter qua		
2				1.00			5		Rows 🔻	
3		.00	.00				2%5			
							-			
							X			
							2		Quantities	
								On Ha		
								Availa	able 🔽	
					Distributio	n Balance	1.0) Distrib	outed 🔽	
					Qty Distrib		1.0			

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.

70

9 Disassembly Entry (MXD) 11/17/2014	
Disassembly Number 0000003 ⁽ →, [_] 4 4 ▶ ▶) <u>1</u> . Header <u>2</u> . Lines	De <u>f</u> aults
Disassembly Date 11/17/2014	Distribute
Bill Number MXP_ITEM Image: MXP Bill Type Standard	
Revision 000 Option Code	
Parent Warehouse Image: Component Warehouse Component Warehouse Image: Component Warehouse Disassembly Type Produced Item Explode Sub-Assemblies Image: Component Warehouse	
Accept	Cancel Delete

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

tem Code	MXP_ITEM		Matrix II	tem				M	atrix Codes
Unit of Measur	re EACH								
	S	м	L		XL	XL		XXXL	×***
WHITE	[500.00/0]	[800.00/0]	[95.00/	'0]	[122.00/0]				
BL_LT	[500.00/0]	[80.00/0]	[95.00/	'0]	[10.00/0]	[50.00/0]	[15.00/0]	[6.00/
YELL	[500.00/0]	[80.00/0]	[100.00	/0]			[12.00/0]	[8.00/
GR_LT	[500.00/0]	[100.00/0]	[95.00/	'0]	[5.00/0]	[10.00/0]	[11.00/0]	
GRAY	[500.00/0]	[100.00/0]	[35.00/	'0]					
RED	[500.00/0]	[100.00/0]	[10.00/	'0]	[10.00/0]	[0/0]		[0/0]	
BLUE	[5,000.00/0]	[89.00/0]				[0/0]		[0/0]	
GREEN	[475.00/0]	[100.00/0]	[8.00/	0]	[9.00/1.00]	[0/0]		[0/0]	
	[500.00/0]	[90.00/0]							
•									•
								Grid column Wid	th 15 ^
	Lot Number	Available	Distribute					Enter quantities I	
1 XL	GREEN	9.00	1.00					Rows	-y -
2		.00	.00				=		
							P		
							Σ		
							-	- Show Quanti	
								On Hand	
								Available	V
					Distribution	Balance	.00	Distributed	v
					Qty Distribu		1.00		

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.

Bill of N	A aterials	Maintenance	(MXD) 11/17/2	014							X
Bill Numbe		P_ITEM				14 4		***	Copy From.	More.	
Revision	_		Description 1		,						
Bill Type	Star	ndard 🔻	Description 2								
<u>1</u> . Head	der	<u>2</u> . Lines									
	_										
	* 5	•	Quick Row		1 🔁	P					• •
		Componer	It Item Code	redefine	d Distributio Revisio		Y Step No.	0.	antity/Bill		Cd
1	T-SHRT	componer		۹,	1104130		Acp No.	QU	2.00		
2	CAP				×				1.00		
3	BOOTS	EJM876							2.00		
4									.00		
4											•
		TOURT									,
	ription	T-SHIRT									
	i No.	5100			Ξ						
	Measure	EACH									
Cost A	ccount				-						
						ſ	Accept		Cancel	Delete 🛛 🚑	

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

🎭 Predefine	d Distribution Maintenance			
Bill Number	MXP_ITEM		MXP	
Item Code	T-SHRT		T-SHIRT	
Bill Lot No.	L BLACK	8		
	Component Lot Number	Quantity		
Baland	ce 2.00		Quantity	2.00

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.

9 ⁹ Predefi	ned	Distribution Maint	enance				X
Bill Numbe	er	MXP_ITEM			MXP		
Item Code	• [T-SHRT			T-SHIRT		
Bill Lot N	ło.	L BLACK	۹ (<u>></u>			
		Component Lot Nun	nber	Quantity			
1	L	BLACK		1.00	-		
2	L	WHITE		1.00			
3				.00			
Bala	ance	.00			Quantity	2.00	
							ose

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.

9ª Predefi	ned	Distribution Maint	enance				X
Bill Numbe	er	MXP_ITEM			MXP		
Item Code	•	T-SHRT			T-SHIRT		
Bill Lot N	۱o.	L BLACK	Q [2			
		Compone Existing Bi	ll Lots List	Quantity			
1	L	BLACK		1.00			
2	L	WHITE		1.00			
3				.00			
Bala	ance	.00			Quantity	2.00	
							ose

Bill Lots Distribution List	
Bill Lot No. BLACK L BLUE L BL_LT M GRAY	
Search Bill Lot No. Begins with Fjlters	<u><u> </u></u>
Custom	Select Cancel 🖳 🖨 🕢
Found 4 records	.::

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.

1. Header	<u>2</u> . Address	. 14 4 ▶ ▶1 3. Lines	<u>4</u> . Totals	User useriig	De	e <u>f</u> aults <u>V</u> endo
145	Ŧ	<u>Q</u> uick Row	1 🛃	₽ 50		- <= <= =
			Lot/Serial Distrib		F	
	Item Code	Ordered	Back Urdered	Unit Cost	Extension	Co
1 MXP_II	EM	5.00	.00	24.000	120.00	
4						
	Matrix Item					
Description Warehouse	Matrix Item	III				4
Description	001					4
Description Warehouse	001		.00 +			

em Code nit of Meası	MXP_ITEM	I		Matrix Ite	m				Matrix Code
	S	м	L	XL	XXL	XXXL	XXXXL		
WHITE	[500.00/0]	[197.00/0]	[0/0]						
BL_LT	[499.00/0]	[200.00/0]	[0/2.00]						
YELL	[500.00/0]	[100.00/0]							
GR_LT	[500.00/0]			[2.00-/0]	[0/0]				
GRAY	[500.00/0]								
RED	[498.00/0]		[3.00-/0]						
BLUE	[500.00/0]								
GREEN	[500.00/0]		[3.00-/0]						
	[500.00/0]		[2.00-/3.00	0]					
1 L 2 L	Lot Number BLACK BL_LT	Av.	ailable 2.00-	Distribute 3.00 2.00				MU) []	Grid column Width 10 Enter quantities by Columns Construct Grid by only exist Matrix Codes Show Quantities On Hand Available
						Distribution Ba Qty Distributed		.00	Distributed 👿
								5.00	

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.

Matrix Sales Hist	ory Report (M)	KD) 11/17/201	14					• X
Report Setting	STANDARD	9					-	6 <u>a</u> ve 💌
Description	Matrix Sales His	story Report	•				_	
Setting Options Type Default Report	Public .		Report Se Hole Pu			Number Collated	of Copies	1
Calendar Years All Years 🔲	Starting	2014 🌲	Ending	2014 拿		Include Shi	ip-to Detail	
Product Types to P All Types 📝	Print Finished Goo	ods 🔽	Raw M	aterials 🔽		Discontinued	V	
Procurement Type All Types 📝	s to Print Make 📝	Buy [v	Subcontrac	:t 🔽	Print Ina	active Items	
Data to Print Quantity Sold 🛛 👽 Dollars Sold 🖓		Profit Percent Goods Sold	✓✓	Quantity	Returne	ed 🔽		
Selections								
Select Field		Operand	Valu	e				•
Item Code		All	•					
Product Line		All	•					E
Primary Vendor N	umber	All	-					
Item Description		All	-					
Customer Number		All	-					
Year to Date Dolla	ars Sold	All	•					Ŧ
Microsoft XPS Docu	ment Writer	▼ Keep		Open After Preview 📃		<u>Print</u>	Pre <u>v</u> iew	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).

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t													
Inventory Sales by Ma	atrix Histor	yReport											
Year Equal To: 2014													(MXD)
Item Code	Jan	Feb I	March	April	Мау	June	July	Aug	Sept	Oct	Nov	Dec	
	atrix Item	-		Prod L	Ine: SPW	Prod Ty	pe: Finished	Good (UVM: EACH				
Size S	Color		LLT										
Customer Number: 0 Quantity Sold :	1-ABF American 0	Business Futu 1	ures 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 %	
	0	24	0	0	0	0	0	0	0	0	0	0	
Cost of Goods Sold:								0	0	0	0	0	
Cost of Goods Sold: Quantity Returned:	0	0	0	0	0	0	0	0		-			
	0 Color	-	0 RED	0	0	0	0	0				, v	
Quantity Returned: Size S Customer Number: 0		R	ED	0	0	0	0	0	0	0	0	0	
Quantity Returned: Size S	Color I-ABF American	R Business Futu	lED ures					-		-			

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.

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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:

ि 🕐 📴 न	М	- → - I	H 1			/1+ 🦍 🔍 🗸					
Matrix Stock S Sorted by Item		Report									
											(MXD)
item Code /Descripti Primary Vendor Number	lon Produ	et Product Type	Unitor	Whee	Size	Color	Quantity On Hand	∆vallable	Reord		Average
BELT-WIDE WIDE B	BELT								Cycle:		388.030
02-BROWN	SPW	Finished Good	EACH	000	STD STD	GREEN WHITE	3.00 3.00	8.00 8.00		0.00	
						Warehouse 000 Total:	6.00	16.00			
						Item BELT-WIDE Total:	6.00	16.00		0.00	
BLINKERS BLINKER	RS								Cycle:		33.420
01-CONT	SPW	Finished Good	EACH	000	S M	WHITE	0.00	0.00		0.00	
					M	GR_LT	8.00	8.00			
					M	RED GREEN	2.00	2.00 5.00			
					XL	GR_LT	2.00	2.00			
					XL XL	RED GREEN	5.00	5.00 8.00			
					~~	Warehouse 000 Total:	30.00	30.00			
				001	s	WHITE	0.00	3.00-		0.00	
					S L	RED WHITE	0.00 3.00 -	0.00 8.00-			
					XL	WHITE	0.00	1.00-			
					XL	RED Warehouse 001 Total:	0.00	4.00-			
						Item BLINKER'S Total:	3.00 - 27.00	16.00 -		0.00	
							27.00	14.00		0.00	
CAP CAP 01-CONT	SPW	Finished Good	EACH	000	s	WHITE	4.00	4.00	Cycle:	0.00	11.592
	-		-		s	RED	12.00	22.00			
					L L	GREEN	0.00	3.00- 21.00			
					XL	WHITE	2.00	0.00			
						Warehouse 000 Total:	30.00	44.00			
				001	S L	RED WHITE	0.00	1.00- 6.00-		0.00	
						Warehouse 001 Total:	0.00	7.00-			
						Item CAP Total:	30.00	37.00		0.00	
MXP2_ITEM Matrix									Cycle:		20.000
01-STEV	SPW	Finished Good	EACH	000	s s	WHITE RED	180.00 200.00	180.00 200.00		0.00	
					s	GREEN	200.00	200.00			
					Ē.	WHITE	400.00	400.00			
				~		Warehouse 000 Total:	980.00	980.00			
				001	s	WHITE RED	10.00 - 33.00	20.00 - 33.00		0.00	
					s	GREEN	50.00	50.00			
					L	WHITE RED	50.00 90.00	50.00 90.00			
					XL	WHITE	1.00 -	6.00-			
						Warehouse 001 Total:	212.00	197.00			

Matrix Stock Status Report (Grid)

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

-	Ë: M		₩ 1		/1+	M 🔍 -	
	ck Status R Item Code	Report (Grid))	_	_	_	(MXD)
Item Code /De Primary Ven Number	ecription dor Produc Line	t Product Type	Unit Of Measure	Whee			Reorder Average Point Cost
BELT-WIDE V 02-BROWN		Finished Good					Cycle: 388.030 0.00
		FITS ALLS	Tatel	4			
GREEN	On Hand Available	3.00 8.00	3.00 8.00				
WHITE	On Hand Available	3.00 8.00	3.00 8.00				
Tatel	On Hand Available	6.00 16.00	6.00 16.00]			
				001			0.00
		FITS ALLS	Tatel]			
GREEN	On Hand Available	0.00 0.00	0.00 0.00				
WHITE	On Hand Available	0.00 0.00	0.00 0.00	1			
Tatel	On Hand Available	0.00 0.00	0.00 0.00]			
BLINKERS BL							Cycle: 33.420
01-CONT	SPW	Finished Good	EACH MEDIUM		EXTRA LAR	Tatel	0.00
WHITE	On Hand	0.00	0.00	0.00	0.00	0.00	
UGHT	Available On Hand	0.00	0.00 8.00 8.00	0.00	0.00 2.00 2.00	0.00 10.00 10.00	
GREEN	Available On Hand	0.00	8.00	0.00	2.00	10.00	
~	Available	2.00	2.00	0.00	5.00	9.00	
	On Hand Available	0.00	0.00 1.00	5.00 5.00	8.00 8.00	13.00 14.00	
GREEN		-		-			

Matrix Committed Report

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

Report Setting	STANDARD)	٩				S <u>a</u> v	/e [
Description	Matrix Comn	nitted Report						
Setting Options								
Туре	Public	- Prir	nt Re	port Settings		Number of Copie	es	1 ‡
Default Report		Thr	ree H	lole Punch		Collated	\checkmark	
Sort Report By	Item Code		•					
Options								
Print Zero Balance	es 🔽	Print Lo	t Nur	mbers with Zero Qty				
Product Types to All Types		l Goods 🛛 🕅	F	Baw Materials 🛛 🔍		Discontinued 🔽		
Product Types to All Types 📝 Procurement Typ All Types 📝	Finished	i Goods 🔽 📝 Buy		Raw Materials 📝	V	Discontinued 🔽		
All Types 🛛 📝 Procurement Typ	Finished es to Print					Discontinued 🔽		
All Types 🛛 🗐 Procurement Typ All Types 📝	Finished es to Print					Discontinued 🔽		•
All Types 🔍 Procurement Typ All Types 📝 Selections	Finished es to Print	✓ Buy] Subcontract		Discontinued 📝		•
All Types V Procurement Typ All Types V Selections Select Field	Finished es to Print Make	✓ Buy Operand] Subcontract		Discontinued 🔽		•
All Types Procurement Typ All Types Selections Select Field STYLE	Finished es to Print Make	Image: Operand] Subcontract		Discontinued		• III

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:

877.475.4092

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Ē												
	_	_	_	_	_	_	_	_	_	_		_
MatrixCommi	tted De	enort										
Sorted by Iten		por										
												(MXD)
Item Code /Descript	lon								Quar	tity		
Primary Vendor Number	Produc Line	Product Type	Unit Of Measure	Whee	Size	Color	On Hand	On Purchase Order	On Sales Order	On Back Order	Other Committed	<u>Available</u>
BELT-WIDE WIDE	BELT									Average	Cost: 388.030	
02-BROWN	SPW	Finished Good	EACH	000						-		
					STD STD	GREEN	3.00 3.00	5.00 5.00	0.00	0.00	0.00	3.00 3.00
						iouse 000 Total:	6.00	10.00	0.00	0.00	0.00	6.00
					Item Bi	ELT-WIDE Total:	6.00	10.00	0.00	0.00	0.00	6.00
BLINKERS BLINKE 01-CONT	RS SPW	Finished Good	EACH	000						Average	Cost: 33.420	
					s	WHITE	0.00	1.00	1.00	0.00	0.00	1.00 -
					s	RED	0.00	2.00	0.00	0.00	0.00	0.00
					M	WHITE	0.00 8.00	2.00	2.00	0.00	0.00	2.00 - 8.00
					M	GR_LT RED	2.00	0.00	0.00	0.00	0.00	2.00
					M	GREEN	0.00	1.00	0.00	0.00	0.00	0.00
					ĩ.	GREEN	5.00	0.00	0.00	0.00	0.00	5.00
					XL	GR_LT	2.00	0.00	0.00	0.00	0.00	2.00
					XL	RED	5.00	0.00	0.00	0.00	0.00	5.00
					XL	GREEN	8.00	0.00	0.00	0.00	0.00	8.00
					Warel	ouse 000 Total:	30.00	6.00	3.00	0.00	0.00	27.00
				001								
					s	WHITE	0.00	0.00	2.00	1.00	0.00	3.00 -
					s	RED	0.00	1.00	1.00	0.00	0.00	1.00 -
					L	WHITE	3.00 -	0.00	0.00	5.00	0.00	8.00 -
					XL	WHITE	0.00	2.00	2.00	1.00	0.00	3.00 -
					XL Warel	RED 10099 001 Total:	0.00	0.00	4.00	0.00	0.00	4.00 -
						LINKER \$ Total:	3.00 -	3.00	9.00		0.00	19.00 -
					item c	LINKERS TOTAL	27.00	9.00	12.00	7.00	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	4.00
					s	RED	12.00	10.00	0.00	0.00	0.00	12.00
					ĭ	WHITE	0.00	0.00	2.00	1.00	0.00	3.00 -
					Ē.	GREEN	12.00	12.00	1.00	2.00	0.00	9.00
					XL	WHITE	2.00	0.00	0.00	0.00	2.00	0.00
					XL	RED	0.00	5.00	0.00	0.00	0.00	0.00
					Warel	nouse 000 Total:	30.00	27.00	3.00	3.00	2.00	22.00
				001								
					s	RED	0.00	0.00	1.00	0.00	0.00	1.00 -
					L	WHITE	0.00	0.00	1.00	5.00	0.00	6.00 -
					Warel	iouse 001 Total:	0.00	0.00	2.00	5.00	0.00	7.00 -
						Item CAP Total:	30.00	27.00	5.00	8.00	2.00	15.00

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.

	(?)	Ē: M	→ → →	9		/10 👫	🕰 🗕					
port												
		Valuation I Item Code	кероп									
	-										(MXD)	
Ite	m Code Product	It	em Description	Unitof			Receipt	Receipt				
	Line	Product Type		Measure	Whee	Lot/Serial Number	Number	Date	Quantity On Hand	UnitCost	Inventory Value	
s	EAKERS		SPEAKERS									
	WF&A WARE	Finished Good	FIFO SPORTSWARE KIT	EACH	000				0.00	0.000	0.00	
5	SPW	KR .	Average Cost	EACH	000				7.00	156.667	1.096.67	
					001				0.00	160.000	0.00	
					002				0.00	156.667	0.00	
							Item :	SPWARE Total:	7.00	156.667	1,096.67	
ST	EREC/CD	PCKGE .	AM/FM/STEREO/CA	SSETTE/CD	PLAYR							
т	WF&A SHRT	Finished Good	FIFO T-SHIRT	EACH	000				0.00	0.000	0.00	
	SPW	Finished Good	Lot	EACH	000							
					θL	Color BLACK	G001012 00000014	9/12/2003 2/6/2009	1.00	24.000 24.000	24.00 240.00	
					θL	Color GR_LT						
					θL	Color RED	G001012	9/12/2003	4.00 -	24.000	96.00 -	
					өМ	Color GREEN	00000020) 11/12/2013	2.00	24.000	48.00	
					өМ	Color YELL	00000014	2/6/2009	4.00	24.000	96.00	
					e S	Color GR_LT	00000014	2/6/2009	3.00	24.000	72.00	
					e XL	Color BLUE	G001012	9/12/2003	2.00	24.000	48.00	
					e XL	Color WHITE	G001012 00000014	9/12/2003 2/6/2009	2.00 - 2.00	24.000 24.000	48.00 - 48.00	
					e XXL	Color GR_LT						
					e XXXXL	Color GRAY	G001046	8/27/2010	2.00	24.000	48.00	
				SIZ	e XXXXL	Color GR LT	00000014	2/6/2009	2.00	24.000	48.00	
							Item Wareho	ouse 000 Total:	22.00	24.000	528.00	
					001				0.00	0.000	0.00	
					002				0.00	0.000	0.00	
					099		10100111	11/12/2013	1.00	24.000	24.00	
					e XL	Color BLUE						

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.

Open Orders By	Matrix Item	Report (MXD) 11/1	17/2014				
Report Setting	STANDARD		0				(S <u>a</u> ve 💌
Description	Open Orders	By Matrix Item	Repo	rt				
- Setting Options -								
Туре	Public	Pr	int Rep	port Settings			Number of Copies	1
Default Report		Tł	nree Hi	ole Punch			Collated	\checkmark
Print Report By	Item Code		•	Sort Rep	ort By It	em Code	• •	
Sales Order Type: All Types Print Summary Rep	🔽 Stand	lard Orders	V	Back Orders				
Selections		-						
Select Field		Operand	_	Value				
Item Code		Equal to	•	MXP_ITEM		€		
Product Line		All	-					
Warehouse		All	-					
Salesperson		All	•					
Adobe PDF		•		eep Window Op int 🔲 Prev		<u>P</u> r	int Pre <u>v</u> iew	<u>S</u> etup

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:

Seport) <u>(?)</u> 	Ë			▶ ₩	1	/.	L OMO	€ , -						
c	OpenOrd	lers B	y Mat	trix Item	Report										
F	orOrder	Туре	es: Al	I											(MXD)
_															(117.27
	item Code			Description	n Promise					_		Qu	antity		
-	Order No	Туре	0	rder Date	Date	CustomerNumber/Nam			Whe		Ordered	Shipped	Back Ordered	Net Order	Extension
	MXP_ITEM 0000220	Std		Matrix Iten 28/2014	2/28/2014	01-ABF	Produ	ct Line : ^S	SPW UN 001	M: EAC	5.00	0.00	0.00	5.00	325.00
					BON NO : 01-0	100 Jim Kentley									
		Size: Size:	M		Color: Color:		2.00								
	0000221	Std	2	/28/2014	2/28/2014	01-ABF			001		5.00	0.00	0.00	5.00	325.00
		Size:	L	Salesper	BON NO : 01-0 Color:	100 Jim Kentley RED	2.00								
	0000222	Size:	XL	/28/2014	Color: 2/28/2014	GR_LT	3.00		001		10.00	6.00	4.00	4.00	260.00
	0000222	Back			800 No · 01-0	100 Jim Kentley			001		10.00	0.00	4.00	4.00	250.00
		Size: Size:			Color:	BL_LT WHITE	2.00								
	0000224	Std		1/14/2014	11/14/2014	01-ABF	2.00		001		5.00	0.00	0.00	5.00	325.00
		Size:	м	Salesper	BON NO : 01-0 Color:	100 Jim Kentley WHITE	160.00								
	0000227	Std	1	1/14/2014	11/14/2014	01-ABF			001		10.00	0.00	4.00	10.00	650.00
		Size:	s	Salesper	BON NO : 01-0 Color:	100 Jim Kentley BL_LT	2.00								
		Size:	м		Color:	WHITE	4.00			_					
								Item M	IXP_ITEM Tota	-	35.00	6.00	8.00	29.00	1,885.00
									Report Tot	(al)	38.00	6.00	8.00	23.00	1,885.00

Here is an example of the summary report printout:

Sege Open Or	rders By Matrix	Item Report								
<u> </u>	à 🕐 💾	₩ ◀ ▶ ₩	1 /1 (Ra 🔍 + 🛛						×
Main Report	t									
Г	Open Orders E For Order Typ	By Matrix Item Report es: All							(MXD)	E
	Item Code	Description			Ordered	Quar Shipped	ntity Back Ordered	Net Order	item Total	
	MXP_ITEM	Matrix Item	Prod (SPW	U/M: EACH Report Total:	35.00	6.00 6.00	8.00	29.00	1,885.00 1,885.00	
Current Pag	e No.: 1		Total Page No.: 1			Zo	oom 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).

Open Orders By Ma	trix Lot Report (MX	(D) 11/17	7/2014			
	ANDARD	٩				S <u>a</u> ve 💌
	ben Orders By Matrix L	ot Report	t			
Setting Options						
Type Pu	iblic 👻	Print Rep	port Settings		Number of C	Copies 1 🌲
Default Report 🛛 📝		Three H	ole Punch		Collated	\checkmark
Print Report By Sale Sales Order Types to F All Types		•	Sort Repo	rt By Iter	n Code	•
Selections	Standard Orders	V	Back Oldels	×		
Select Field	Operand		Value			
Item Code	All	-				
Warehouse	All	-				
Salesperson	All	-				
Matrix Size	Range	-	L		XXXL	
Matrix Color	All	•				
Adobe PDF	•	Keep W Print [′indow Open Aft Preview	er (<u>P</u> rint Pre <u>v</u>	iew <u>S</u> etup

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

 	a H - 4	▶ ₩ 1	/1+ 👭	e , -		
Open Orders For Order Ty	s By Matrix Lot R pes: All	leport				(MXD)
Salesperson No / Item Code/Des Size Order No.	Color Color Type Ord.Date	Customer Number /Name			Whee G	uantity Ordered
01-0100 Jim Kenti BELT-WIDE W	IDE BELT	Pr	oduct Line :SPW	U/M: EACH		
STD 0000184	BLACK Std 2/6/2009	01-ABF American Business Futures			000 Size: STD Color: BLACK Total:	1.00 1.00
STD 0000184 0000219	BLUE Std 2/6/2009 Back 12/3/2013	01-ABF American Business Futures 01-ABF American Business Futures			000 001 Size: STD Color: BLUE Total: -	1.00 1.00 2.00
BLINKER\$ BL	NVED 4		oduct Line (SPW	U/M: EACH	Item BELT-WIDE Total:	3.00
S 0000174	WHITE Back 5/12/2003	Pr 01-ABF American Business Futures	oduct Line (SPW	U/M: EACH	001	1.00
0000187 0000220	Std 6/24/2009 Std 2/28/2014	01-ABF American Business Futures 01-ABF American Business Futures			001 000 Size: \$ Color: WHITE Total:	2.00 1.00 4.00
\$ 0000221	RED Std 2/28/2014	01-ABF American Business Futures			001 Size: \$ Color: RED Total:	1.00
M 0000220	WHITE Std 2/28/2014	01-ABF American Business Futures			000 Size: M Color: WHITE Total:	2.00 2.00
L 0000188	WHITE Back 6/24/2009	01-ABF American Business Futures			001 Size: L Color: WHITE Total:	5.00
L 0000184 0000186 0000219	BLACK Std 2/6/2009 Back 6/24/2009 Back 12/3/2013	01-ABF American Business Futures 01-ABF American Business Futures 01-ABF American Business Futures			000 000 000	3.00 1.00 1.00
XL 0000174 0000221	WHITE Back 5/12/2003 Std 2/28/2014	(1-ABF American Business Futures 01-ABF American Business Futures			Size: L Color: BLACK Total: 001 001	5.00 1.00 2.00
XL 0000184	RED Std 2/6/2009	01-ABF American Business Futures			Size: XL Color: WHITE Total:	3.00 2.00
0000187	Std 6/24/2009	01-ABF American Business Futures			001 Size: XL Color: RED Total:	2.00

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

a 🕐 f	<u>-</u> H 4	▶ N 1	/1+ 船 🔍 🗸		
t					
	s By Matrix Lot F	Report			
ForOrderTy	/pes: All				(MXD)
Item Code/Dee	cription Color				
Order No.	Type Ord.Date	Customer Number /Name	Salesperson No / Name	Whee	Quantity Ordered
BELT-WIDE W	IDE BELT BLACK	Produc	tLine: ^{SPW} U/M: EACH		
0000184	Std 2/6/2009	01-ABF American Business Futures	01-0100 Jim Kentley	000 Size: STD Color: BLACK Total:	1.00
STD 0000184	BLUE Std 2/6/2009	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
0000219	Back 12/3/2013	01-ABF American Business Futures	01-0100 Jim Kentley	001	1.00
				Size: STD Color: BLUE Total:	2.00
BLINKERS BL	INKERS	Deadure	tLine.SPW U/M: EACH	Item BELT-WIDE Total:	3.00
S	WHITE				
0000174 0000187	Back 5/12/2003 Std 6/24/2009	01-ABF American Business Futures 01-ABF American Business Futures	01-0100 Jim Kentley 01-0100 Jim Kentley	001 001	1.00
0000220	Std 2/28/2014	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
				Size: S Color: WHITE Total:	4.00
\$ 0000221	RED Std 2/28/2014	01-ABF American Business Futures	01-0100 Jim Kentley	001	1.00
			,	Size: S Color: RED Total:	1.00
M 0000220	WHITE Std 2/28/2014	01-ABF American Business Futures	01-0100 Jim Kentley	000	2.00
0000220	2.0 2202014		e. eres en resney	Size: M Color: WHITE Total:	2.00
L 0000188	WHITE Back 6/24/2009	01-ABF American Business Futures	Of Orion Fee Keesley	~	5.00
0000188	Back 6/24/2009	UI-ABH American Business Futures	01-0100 Jim Kentley	001 Size: L Color: WHITE Total:	5.00
L	BLACK				
0000184 0000186	Std 2/6/2009 Back 6/24/2009	01-ABF American Business Futures 01-ABF American Business Futures	01-0100 Jim Kentley 01-0100 Jim Kentley	000	3.00 1.00
0000219	Back 12/3/2013	01-ABF American Business Futures	01-0100 Jim Kentley	000	1.00
				Size: L Color: BLACK Total:	5.00
XL 0000174	WHITE Back 5/12/2003	01-ABF American Business Futures	01-0100 Jim Kentley	001	1.00
0000221	Std 2/28/2014	01-ABF American Business Futures	01-0100 Jim Kentley	001 Size: XL Color: WHITE Total:	2.00
XL	RED			SIZE: XL COIDT: WHITE TOTAL:	3.00
0000184	Std 2/6/2009	01-ABF American Business Futures	01-0100 Jim Kentley	001	2.00
0000187	Std 6/24/2009	01-ABF American Business Futures	01-0100 Jim Kentley	001 Size: XL Color: RED Total:	2.00
				Item BLINKER'S Total:	24.00
CAP CAP		Produc	tLine:SPW U/M: EACH	tion DEINKER'S TOTAL	2000
\$ 0000180	RED Std 12/5/2003	02-CUSTOM Custom Craft Products	02-0300 Harvey Earlwright	001	1.00
0000100	12/012/000	at every on examined the Products	as according to a solution of the	Size: S Color: RED Total:	1.00

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.

🔓 Matrix Codes In	voice Histor	y Report	(MXD) 2	/28/2014			
Report Setting	STANDARD		Q				S <u>a</u> ve 💌
Description	Matrix Code:	: Invoice Hi	istory Rep	ort			
- Setting Options -							
Туре	Public	-	Print Rep	oort Settings		Number of Co	opies 1 🗧
Default Report			Three Ho	ole Punch		Collated	
Print Summary Rep	ort						
Select Field		Operand		Value			
Matrix Size		Range	•	L		XXXL	۹,
Matrix Color		All	-				
Item Code		All	-				
Item Description		All	-				
Invoice Date		All	-				
Invoice Number		All	-				
Customer Number		All	-				
Salesperson		All	-				
Adobe PDF		•		′indow Open Afte ☑ Preview 💽	_	<u>Print</u> Pre <u>v</u> ie	ew <u>S</u> etup

Here is an example of printout for summary report form:

ort	< < > > 1 /1 M €, •	
Matrix Codes Invoi	ce History Report	
		(MXD)
Item Code /Description		Quantity
BELT-WIDE WIDE BE		
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 BLINKER:		
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
MXP_ITEM Matrix Ite	n	
Size: S	Color: BL_LT	1.00
Size: S	Color: RED	2.00
Size: M	Color: WHITE	3.00

Here is an example of printout for detail report form:

🖹 🕐 📴 💌	F	M 1 /1+ 🕅 🤇	€ -		
rt					
Matrix Codes Invoice	History Repo	ort			
					(MXD)
Item Code /Description					
	er Involce Date	Customer Number / Name	Salesperson No /Name	U/M	Quantity
BELT-WIDE WIDE BELT					
Size: STD 0100061	Color: BLACK 10/5/2003	01-ABF American Business Futures		EACH	5.00
0100067	12/25/2003	01-ABF American Business Futures 01-SHEPARD Sheeard Motorworks	01-0100 Jim Kentley 01-0200 Shelly Westland	EACH	1.00
0100097	10/13/2009	01-ABE 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 Earlwright	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-ABF American Business Futures	01-0200 Shelly Westland	EACH	1.00
0100099 Size: STD	8/27/2010 Color: WHITE	U1-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00
Size: STD 0100061	10/5/2003	01-ABF American Business Futures	Of Origo Ene Kandari	EACH	3.00
0100051	rorar2003	Vinner American business Futures	01-0100 Jim Kentley	EACH	3.00
BLINKERS BLINKERS					
Size: S	Color: BLUE	ALADEA : D : E.		51011	
0100061 0100064	10/5/2003 7/25/2003	01-ABF American Business Futures	01-0100 Jim Kendey	EACH EACH	1.00
Size: M	Color: WHITE	01-SHEPARD Shepard Motorworks	01-0200 Shelly Westland	EACH	1.00
0100056	12/5/2003	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00
Size: M	Color: YELL		o ro to all ready	2.2.1	
0100114	12/3/2013	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00
Size: M	Color: BLUE				
0100061	10/5/2003	01-ABF American Business Futures	01-0100 Jim Kentley	EACH	2.00
0100064	7/25/2003	01-SHEPARD Shepard Motorworks	01-0200 Shelly Westland	EACH	1.00
	Color: GREEN				1.00
Size: M	10/5/2003	01-ABF American Business Futures		EACH	

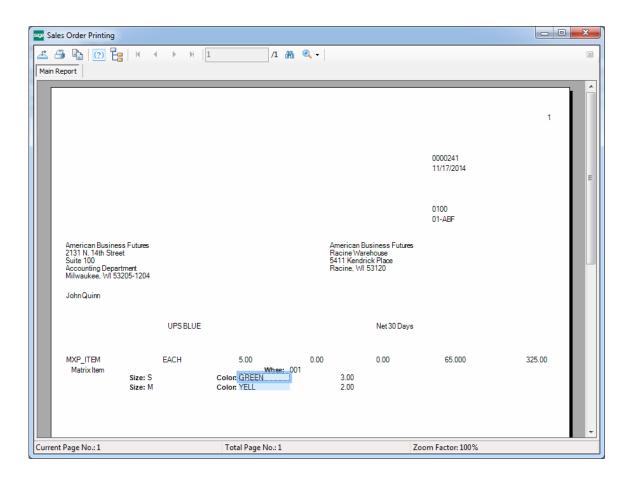
INFORMATION INTEGRATION GROUP 457 PALM DRIVE GLENDALE, CA 91202

Other Printing Forms

Preprinted Laser

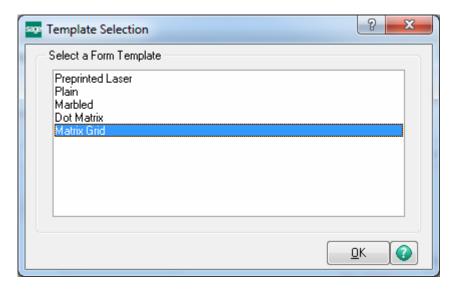
The **Preprinted** form of graphical printing in **Sales Order**, **S/O Invoice**, **Picking Sheet**, and **Purchase Order** have been modified to display Lot Numbers for Matrix Items as a pair of Matrix Codes with their Category Descriptions.

Here is an example of printout:



Matrix Grid

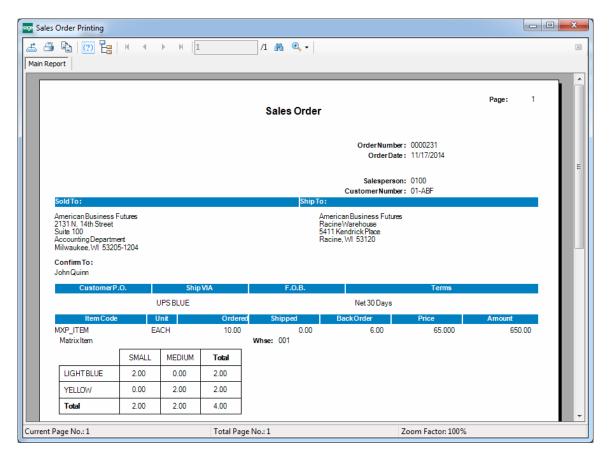
The **Matrix Grid** printing form has been added to the graphical printing Form Templates to allow printing the Matrix Distribution grid information on the report.



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

Sales Order Printing (MXD)	11/17/2014	
Form Code MXP Description Matrix Grid	Q	Seject <u>D</u> esigner
Number of Copies	Collated 🗸	Multi-Part Form Enabled
Sort Orders By Order Nu	ımber 🔹	
Order Type to Print	All	Print Comments Partial Print Bill Options
Print Lot/Serial Distributions	V	
Line 1 Message		
Line 2 Message		
Selections		
Select Field	Operand	Value
Order Number	All	
Warehouse Code	All	
Microsoft XPS Document Writer	-	Alignment Pre <u>v</u> iew Setup

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



The Invoice and Packing List printings by Matrix Grid form print the Quantity Shipped and Backordered for Matrix Lot.

Here is an example of printout for Invoice Printing:

eport	?) 🗄 +								
					Invo	oice			
MXPDemo c	ompany							nber: 0100 <mark>130-IN</mark> Date: 4/9/2015	
							Order I Salesper	nber: 0000237 Date 4/9/2015 son: 0100	
							CustomerNum	nber: 01-ABF	
2131 N. 14th Suite 100 Accounting[Department VI 53205-120					An Ra 54	hip To: nerican Business Futures acine Warehouse H1 Kendrick Place acine, WI 53120		
Confirm To: John Quinn									
Confirm To:		Ship V UPS B			F.O.B.		Terms Net 30 Days		
Confirm To: John Quinn				ered	F.O.B. Shipped			Price	Amount
Confirm To: John Quinn Customer P		UPSB	LUE	ered 7.00	20000 2000-00	5.00	Net 30 Days	Price 25.000	Amount 125.00
Confirm To: John Quinn Customer P tem Code CAP		UPSBI Unit	LUE		Shipped	5.00	Net 30 Days BackOrdered		
Confirm To: John Quinn Customer P tem Code CAP		UPS BI Unit EACH	Orde	7.00	Shipped	5.00	Net 30 Days BackOrdered		
Confirm To: John Quinn Customer P tem Code CAP CAP	.0. Ordered Shipped	UPS B Unit EACH M 0.00 0.00	UE Orde SMALL 0.00 3.00	7.00 Total 0.00 3.00	Shipped	5.00	Net 30 Days BackOrdered		
Confirm To: John Quinn Customer P tem Code CAP CAP CAP RED	Ordered Shipped Backord	UPS B Unit EACH M 0.00 0.00 0.00 0.00 0.00 2.00	UUE Orde SMALL 0.00 0.00 0.00 0.00	7.00 Total 0.00 3.00 0.00 0.00	Shipped	5.00	Net 30 Days BackOrdered		
Confirm To: John Quirn Customer P tem Code CAP CAP RED GREEN Total	Ordered Shipped Backord Ordered Shipped Backord	UPS BI Unit EACH M 0.00 0.00 0.00 0.00 2.00 2.00 0.00	SMALL 0.00 3.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	7.00 Total 0.00 3.00 0.00 2.00 2.00 2.00 0.00	Shipped	5.00	Net 30 Days BackOrdered		

Here is an example of printout for Packing List Printing:

ng List Pri	-	4 4	▶ ¥ 2		/2 🏦 🔍 🗸		
					Packing List		Page: 2
MXPDemo	company				Shi	pping Number: 0100130 Ship Date: 4/9/2015	
						Order Number: 0000237 Order Date: 4/9/2015 Salesperson: 0100 tomer Number: 01-ABF	
2131 N. 14t Suite 100	Department				ShipTo: AmericanBu RacineWare 5411 Kendri Racine, WI	k Place	
Milwaukee	WI 53205-1	204					
Milwaukee Confirm To John Quinn		204			Number of F	Packages: 1	
Confirm To	:	204	ShipV	/IA	Numberof F	Packages: 1 Term	ns
Confirm To John Quinn	:		Ship V PS BLUE	/IA			ns
Confirm To John Quinn ustomer P.	. 0.			Unit	F. O. B. Ordered	Term Net 30 Days Shipped	Backordered
Confirm To John Quinn	. 0.	U	PSBLUE		F. O. B.	Term Net 30 Days	
Confirm To John Quinn ustomer P. CAP	. 0.	U		Unit	F. O. B. Ordered 7.00	Term Net 30 Days Shipped	Backordered
Confirm To John Quinn ustomer P. CAP	. 0.	Uł m Number	PSBLUE	Unit EACH	F. O. B. Ordered 7.00	Term Net 30 Days Shipped	Backordered
Confirm To John Quinn ustomer P. CAP CAP	o: . O. Iter	Uf m Number M 0.00 0.00	SMALL 3.00	Unit EACH Total	F. O. B. Ordered 7.00	Term Net 30 Days Shipped	Backordered
Confirm To John Quinn ustomer P CAP CAP RED	Ordered Shipped Backord Ordered Shipped	Uf m Number M 0.00 0.00 0.00 0.00 2.00	PS BLUE SMALL 0.00 3.00 0.00 0.00 0.00	Unit EACH Total 0.00 3.00 0.00 0.00 0.00 2.00	F. O. B. Ordered 7.00	Term Net 30 Days Shipped	Backordered
Confirm To John Quinn ustomer PJ CAP CAP RED GREEN Total 2480-8-50 DESK F Lot1	Ordered Shipped Backord Ordered Shipped Backord Ordered Shipped Backord Ordered Shipped Backord	Uf m Number M 0.00 0.00 2.00 2.00 2.00 2.00 2.00 2.	PS BLUE SMALL 0.00 3.00 0.00 0.00 0.00 0.00 0.00 0.	Unit EACH Total 0.00 3.00 0.00 0.00 2.00 2.00 2.00 0.00 5.00	F. O. B. Ordered 7.00	Term Net 30 Days Shipped	Backordered

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
- Packing List Printing
- Matrix Sales History Report
- Matrix Stock Status Report
- Matrix Stock Status Report (Grid)
- Matrix Committed Report
- Open Orders by Matrix Items Report

	Matrix Code	Description	R	G	В	Color	Sort	7 🗖
1	L	LARGE	0	255	0		3	
2	м	MEDIUM	255	255	128		2	
3	S	SMALL	255	0	255		1	· •
4	XL	EXTRA LARGE	128	0	255		4	
5	XXL	EXTRA EXTRA LARGE	255	255	255		5	
6	XXXL	XXX LARGE	128	255	255		6	
7	XXXXL	XXXX LARGE	240	217	238		7	
8			0	0	0			

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.

5392 F	Recr	eate Matrix Lot Sales History (MXD) 11/17/2014
	8 8	The utility will purge all Matrix Lot Sales History records. It is recommended to make a backup copy of your IM068_MXPItemCustHistoryByLot.M4T data file. Recreate Matrix Lot Sales History as of Year 2013
		Proceed Cancel

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.

so: Sage	e 100 ERP
2	Do you want to recreate matrix lot sales history as of year 2013?
	Yes No

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.