

# Matrix Processing by Item For Sage 100 ERP 2013

457 Palm Drive Glendale, CA 91202 818-956-3744 818-956-3746 sales@iigservices.com

www.iigservices.com



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### **Installation Instructions and Cautions**

**PLEASE NOTE: SAGE 100 ERP** must already be installed on your system before installing any IIG enhancement. If not already done, perform your SAGE 100 ERP installation and setup now; then allow any updating to be accomplished automatically. Once SAGE 100 ERP installation and file updating is complete, you may install your IIG enhancement product by following the procedure below.

#### Wait! Before You Install - Do You Use CUSTOM OFFICE?

**THIS IS AN IMPORTANT CAUTION:** If you have Custom Office installed, **and** if you have modified any SAGE 100 ERP screens, you must run **Customizer Update** after you do an enhancement installation.

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

Ŕ	🚡 * Sales Orde	r Entry (111) 00	5/12/2006	
	Order Number	Q.	🛃 💽 🤇	
	<u>1</u> . Header	<u>2</u> . Address	<u>3</u> . Line:	s <u>4</u> . Totals
	Order Date		Orde	я Туре
	Customer No.		2. E1	
	[			
				Ship To Addr
	Ship Data			<u>Terms Code</u> 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 ERP.

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

🔓 IIG Master Developer En	hancement Re	gistration			? _ 🗆 🗙
Registered Customer IIG					
Registration Information Reseller Name					
Serial Number	1111111				
Customer Number	2222222222				
User Key	333333333333	3333333			
Product Key	55555 555	555 55555	55555 55555		
Enhancement	Level	Release Date	Serial Number	Unlocking Key	<u> </u>
IIG Enhancement	5.00		مممممممممممم	BBBBBB	Undo
Enhancement	Level	Release Date	Serial Number	Unlocking Key	Status
IIG Enhancement	5.00		. ۵۵۵۵۵۵۵۵۵۵۵۵۵۵۵	. BBBBBB	Invalid
Print Registration Form					
					IG TST 5/24/2013

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

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

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

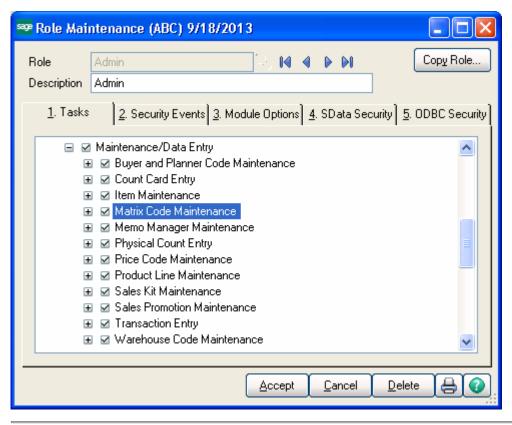
### **ODBC Security**

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

-ODBC Security-	1
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.



INFORMATION INTEGRATION GROUP 457 PALM DRIVE GLENDALE, CA 91202

### Size & Color Matrix for Data Entries

#### Inventory Management Options

The Master Item Style, Size and Color fields added to the Main tab of the Inventory Management Options screen allow for specifying the number of characters for respective segments of Master Items.

The first segment of Item Code "Style" indicates the size of Master Item Code. The second (Size) and third (Color) segments are intended correspondingly for indicating the number of characters for Size and Color.

🔤 Inventory Management Options (TST) 9/18/2013	
1. Main 2. Additional 3. Entry 4. Printing	]
· · · ·	Inventory Period
Require Multiple Warehouses	Base Inventory Periods On Calendar Months V
Reorder by Warehouse	Current Calendar Year 2010
Default Warehouse Code 000 🔍	Current Period 05 🗸
Segment Substitution	
G/L Segment for Whse Postings Location	Enable Warranty Tracking
Track Warehouse Transfers as Issues	Integrate with General Ledger
Calculate Commission by Inventory Item	Job Cost
Include in Quantity Available No POs and WOs V	
	<b>-</b>
Master Item Code Style 8 Size 2 Color 5	
Construct Grid by only existing Matrix Codes V	
L	Accept Cancel

nventory Management Options Listing	9							Test(TST)
Main Folder Options								
Require Multiple Warehouses	Yes							
Reorder by Warehouse:	Yes							
Default Warehouse Code:	000	CENT	RAL W	AREHOUSE				
Segment Substitution								
G/L Segment for Warehouse Postings:	Locatio	n						
Track Warehouse Transfers as Issues:	No							
Calculate Commission by Inventory Item:	Yes							
Include in Quantity Available:	No POs	and WC	)s					
Inventory Period								
Base Inventory Periods On:	Calend	ar Month	S					
Current Calendar Year:	2010							
Current Period:	05							
Enable Warranty Tracking:	Yes							
Integrate with								
General Ledger:	Yes							
Job Cost:	No							
Master Item Code :	Style:		8	Size:	2	Color:	5	
Construct Grid by only existing:	Matrix C	Codoo						

If there are Matrix Codes already setup in the system based on the defined segments, the following message will appear upon changing the sizes of corresponding segments.

see Sage	100 ERP	×
2	All Matrix Codes setup previously will be deleted. Do you want to proceed with these changes?	

Selecting **Yes** will allow the user to accept changes and delete all Matrix Codes previously setup.

Select **Item Codes** or **Matrix Codes** in the **Construct Grid by only existing** drop down to construct the Matrix grid by existing Item Codes or Matrix Codes.

It's necessary to have the Item Codes with corresponding number of characters for Style, Size and Color segments setup in the system so that to have the Matrix Distribution grid constructed based on the **Item Codes**.

sag	ltem Ma	atrix Dist	ribution En	try			
	ltem Code	SUN HAT	ESL BLACK		Kid Sun Hat	s: black	
ſ			L	XL			
	BLACK		0				
	RED			0			
L							- Show Quantities
				Grid	l column Width 10 🍔	Enter quantities by	Available
						Columns 🔽	
							<u> </u>

If Matrix Code is selected in the **Construct Grid by only existing drop-down**, the Item **Matrix Distribution Entry** looks as follows:

🔓 Item Matrix Dist	ribution En	try				
Item Code SUN HAT	SL BLACK			Kid Sun Hats:	black	
	L	м	S			
	0/0					
BLUE						
BROWN	0/0					
LILAC		0/0				
PINK						
PURPL						
RED						
WHITE						
		Grid	column Wid	ith 10	Enter quantities by Columns 🔽	Show Quantities       Available     Image: Contract of the second seco
						<u>Q</u> K <u>C</u> ancel

#### Item Maintenance

In the **Item Maintenance** enter an item with the Item Code size equal to the number of characters specified for Style in the Inventory Management Options and select **Master** in the **Master/Slave** drop down.

🔤 Item Maintenance (TST) 9/18/2013									
	I HATS Gun Hats		3  5  M  ₽	4 Þ ÞI	Cor	y <u>F</u> rom)	Renum <u>b</u> er	More 🔻	
<u>1</u> . Main	2. Additional	3. Quantity	<u>4</u> . History	<u>5</u> . Trans	actions <u>6</u> .	Orders ]	<u>7</u> . Cost Detai	I)	
Product Line Product Type Valuation Procurement	WF&A & WORKS Finished Good & FIFO &	TATION FURN 8 Weight Volume Inventory Cyc	0.0000	Unit of M Standard Purchas Sales	EACH	No. of E		1	
Master/Slave	Master 💌	Master Item				2			
Price Code Default Whse Sales Retail Price Standard Price Last Sold	000 CENTRA .000 .000	Avera	Warra	ry Vendor	.000			.000 .000 == .000 ==	
Whse Desc	ription On Hand RAL00	0n P0 .00	On SO .00	On Bk Ord .00	Committed .00	Available .00	In Shipping .00	On H	
						ot <u>C</u> anc	el <u>D</u> elete		

After accepting the Master Item it's necessary to enter corresponding Slave Items with Item Codes constructed as follows: **Master Item Code + Size +Color** and assign to respective **Master Item.**  9

🤓 Item Mainte	nance (TST) 9/18/2013
	HATSM RED
<u>1</u> . Main	2. Additional <u>3</u> . Quantity <u>4</u> . History <u>5</u> . Transactions <u>6</u> . Orders <u>7</u> . Cost Detail
Product Line Product Type Valuation Procurement	WF&A   WORKSTATION FURN & ACCESS     Finished Good   Weight     FIFO   Volume     0.0000   Sales     EACH   No. of     EACH   No. of
Master/Slave	Slave Master Item SUN HATS
Price Code Default Whse Sales Retail Price Standard Price Last Sold	Primary Vendor Non   000 CENTRAL WAREHOUSE Warrantv Code   000 CENTRAL WAREHOUSE Warrantv Code   000 Purchases   1.000 Standard Cost   1.000 Average Cost   1.000 Last Receipt
Quantities Whse   Desc	iption On Hand On PO On SO On Bk Ord Committed Available In Shipping On F
	Accept Cancel Delete 🖶 🕢

Note: Specifying **Master Item** for Slave items is required in case you have selected the **Item Codes** option in the **Construct Grid by only existing** drop down in the Inventory Management Options.

The user is not allowed deleting Master Item if there is an Item (Slave) in the system to which it is assigned.

sage Sage	e 100 ERP	X
(į)	The Master Item Code cannot be deleted until it is assigned to a Slave Item.	
	<u> </u>	

A message appears also when changing Master/Slave option for Master Item already assigned to a Slave one.



If **Matrix Codes** is selected in the Inventory Management Options it's enough to have corresponding Item Codes setup in the system.

Select Matrix Codes from the More... menu button to open the Matrix Code Maintenance for the selected Master Item. This option is available only for Master Items.

The Matrix Codes button is not available if **Construct Grid by only existing** option in the Inventory Management Options screen is set to **Item Codes.** 

🤓 Item Mainte	nance (TST) 9/18/2013	
Item Code BMB	3J660	More
Description Jour	ney Jacket 🐺 🐨 NEW **	<u>V</u> endors
<u>1</u> . Main	2. Additional <u>3</u> . Quantity <u>4</u> . History <u>5</u> . Transactions <u>6</u> . Orders <u>7</u> . Cost Detai	<u>A</u> lias
	Unit of Measure	Alternate
Product Line	J&W Standard EACH	<u>R</u> eorder
Product Type	Finished Good Veight Purchases EACH No. of EACH	Pricing
Valuation		Pr <u>i</u> ce Lookup Sales Promotion
		Lot / Serial
Procurement	Buy Inventory Cycle	Lot / Serial Orders
Master/Slave	Master V Master Item	IT It <u>e</u> m
		Matrix Codes
Price Code	Primary Vendor 🔍 🗞	
Default Whee	000 🔍 CENTRAL WAREHOUSE Warranty Code	
Sales	Purchases Cast Costs	
Retail Price	.000 Standard Cost .000 III Item	.000
Standard Price	.000 Average Cost .000 Allocated	.000 🗐
Last Sold	Last Receipt Total	.000 🗐
Quantities		
Whse Desc	ription On Hand On PO On SO On Bk Ord Committed Available In Shipping	On ⊢ '
<		>
	Accept Cancel Delete	

	Matrix Code	Description	R	G	В	Color	Sort	
1	BLACK	Black	0	0	0			-
2	BLUE	Blue	0	0	255			
3	BROWN	Brown	64	0	0			
4	GREEN	Green	0	128	0			
5	LILAC	Lilac	247	219	251			
6	PINK	Pink	255	128	255			
7	GREY	Grey	128	128	128			
8	WHITE	White	255	255	255			
9			0	0	0			

The user is not allowed to delete Master Item if there are Matrix Codes entered for it.

sage Sage	e 100 ERP	×
(į)	Cannot delete Master Item. Matrix Code(s) exist for the Item.	

The user cannot change also the Master/Slave option for Master Item having Matrix Codes.

sage Sag	e 100 ERP	×
(į)	Master/Slave Option cannot be changed. Matrix Code(s) exist for the Item.	
	<u>OK</u>	

#### Matrix Code Maintenance

The Matrix Code Maintenance has been added to the Inventory Management Setup menu to allow specifying Matrix Codes for Size/Color to be used for Master item.

The **Matrix Code Maintenance** is available in the system only if **Matrix Codes** option is selected in the **Construct Grid by only existing** drop- down in the Inventory Management Options, otherwise the following message will appear while trying to run the Matrix Code Maintenance:



Each **Master Item** (item specified as Master in the **Inventory Maintenance** program) can have its own **Matrix Codes**. Besides it, Matrix Codes can be defined for the entire system.

sage	Matrix C	ode Maintenance (	TST) 9/18/2013			
	Item Code		۹ اه ا الا ال	System Co	des	Add <u>F</u> rom
0	Descriptio Matrix Co	on de Category Description	Size			
		Matrix Code	Description	R G	B Color Sort	
						10
					Accept Cance	l <u>D</u> elete

If there is not Item selected in the **Item No.** field, the **System Codes** button is enabled allowing the user to setup system matrix codes, which may be added to any Item. The **Item Code** is defaulted to \*SYSTEM\_MATRIX\* in this case:

	ption SYSTEM MATRI		_					
Matrix	Code Category Descriptio	n Size						
	Matrix Code	Description	R	G	В	Color	Sort	5
1	S	Small	255	255	255			
2	М	Middle	255	255	255			
3	L	Large	255	255	255			
4	XL	Extra Large	255	255	255			
5			0	0	0			

To enter a new Code, first select the **Matrix Code Category** by Description and type in the **Matrix Code** and **Description.** 

To assign **Color** to the selected Code, enter RGB values or click the **Color palette** button to select a color in the standard Windows **Color** screen.

Click **Del** to delete the selected Code from the grid.

To view/modify an existing Matrix Code select the Item code having Matrix Codes setup. All the Matrix Codes of current Item for the selected Category are loaded in the grid.

	Matrix Code	Description	R	G	В	Color	Sort	
1	BLACK	Black	0	0	0	00.01	00.0	
2	BLUE	Blue	0	0	255			- 6
3	BROWN	Brown	91	46	0			
4	RED	Red	176	0	0			
5	PINK	Pink	255	0	128			
6	LILAC	Lilac	255	202	255			
7	PURPL	Purple	128	0	255			
8	WHITE		255	255	255			
9			0	0	0			

The **Add From** button allows copying and adding Matrix Codes from other Items. The existing Matrix Codes of the destination Item will be retained, and the copied Codes will be added. If the Code already exists, it is retained with all options, not overridden by the added Code.

se Copy Matr	ix Codes 🛛 🔀
Item Code Description	
	<u>OK</u> ancel

From the Item Code lookup select the Item, which Matrix Codes you want to copy.

🔓 Matrix Codes Item List		
Item Code	Description	
SUN HATS	*SYSTEM MATRIX COD Kid Sun Hats	±5°
Search <default></default>	~	
Filters		
C <u>u</u> stom		Select Cancel 戻 🖨 🕢
Found 2 records		

Press **Ok** to add the Matrix Codes of the selected Item to the new Item.

🔓 Copy Matr	tix Codes 🛛 🔀
Item Code	*SYSTEM_MATRIX*
Description	*SYSTEM MATRIX CODES*
	<u>K</u> ancel

**Delete-** this button deletes all Matrix Codes setup for current Item.

#### Purchase Order

Create a new **Purchase Order** and go to **Lines** tab. Select a **Master Item** from the **Item Code** lookup.

🔓 Purchase Order	Entry (TST	) 9/18/2013				
Order Number 00100	146 · [ ·	14 4 D DI			D	efaults
<u>1</u> . Header <u>2</u> . /	Address	3. Lines	4. Totals	User useriig		
80 - ×		Quick Row	1	12-1	7=	···· /= /= ·· ·
ltem	Code	Ordered	Back Ordered	Unit Cost	Extension	Cor
1 SUN HATS	9	.00	.00	.000	.00	
🕮 Item Matrix Dist	ribution En	itry				
Item Code SUN HAT	ISM LILAC		Kid St	ın Hats: Lilac		
		м	S			
	L 2.00/6.00	M	5			
BLUE	2.00/0.00					
BROWN	5.00/0					
LILAC		3.00/0				
PINK						
PURPL						
RED WHITE						
WHITE						
		c.u.	al and to Galife Tax	Enter qua	antities by	Show Quantities
		und c	olumn Width 10	Columns	A.	vailable 🔽
					(	<u>QK</u> <u>C</u> ancel

**Item Matrix Distribution Entry** screen will popup to allow ordering Items. In the **Show Quantities** group select/clear the **Available** check box to show/hide available quantity for each Item.

👓 Item Matrix Dist	ribution En	try				
Item Code SUN HAT	ISM LILAC		ĸ	Kid Sun Hats: I	Lilac	
	L	м	S			
	2.00/6.00					
BLUE						
BROWN	5.00/0					
LILAC		3.00/0				
PINK						
PURPL						
RED						
WHITE						
Grid column W				h 10	Enter quantities by Columns 💉	Show Quantities (Available)
						<u>OK</u> <u>C</u> ancel

Only the **Matrix Cells**, which refer to existing **Item Codes**, are available for entry.

Enter quantities in the matrix grid and press **OK**. New order line will be added for each entered quantity with respective Item Code and Quantity.

Order Number 0010047 Image: Second s							
	🇞 🏷 ▼ 🛛 Quick R			1 🛃	<b>P</b> -	<mark>ॡ</mark> ॡ ∉ ∉ ₽ ∙	
		tem Code	Ordered	Back Ordered	Unit Cost	Extension	Co
1	SUN HA	TSL BLACK	2.00	.00	.000	.00	
2	SUN HA	TSL BROWN	5.00	.00	.000	.00	
3	SUN HA	TSM LILAC	3.00	.00	.000	.00	
4			.00	.00	.000	.00	
<							>
	cription	Kid Sun Hats: bl				)	3
Des	cription	Kid Sun Hats: bl 000					0
Des War							2

The same functionality has been provided also in the **Receipt of Goods Entry** and **Invoice Data Entry**.

#### Sales Order Entry

Open the **Sales Order Entry** program and create a new Order. Go to **Lines** tab. Select a Master Item from the **Item Code** lookup.

<sup>soge</sup> Sales Order	Sales Order Entry (TST) 9/18/2013							
	0000200 - [				ppy from Defa			
<u>1</u> . Header	<u>2</u> . Address	<u>3</u> . Lines	<u>4</u> . Totals	5. Credit Card	Jser useriig			
80	10 (10 - 11 - 14)	Quick Row	1			‡= =		
	Item Code	Ordered	Back Ordered	Unit Price	Extension	Comment		
1 SUN	HATS 🔍	.00	.00	.000	.00			
🤓 Item Matr	罕 Item Matrix Distribution Entry							
Item Code S	UN HATSM LILAC		Kid 9	Sun Hats: Lilac				
-	L 2.00/0	M	S					
BLUE	2.0070							
BROWN	5.00/0							
LILAC		3.00/0						
PINK								
PURPL								
RED								
WHITE								
·			Grid column \	Width 10	Enter quantities b	Augilable 🗖		
1					Columns			
						<u>Q</u> K <u>C</u> ancel		

Item Matrix Distribution Entry screen will popup to allow ordering Items. In the Show Quantities group select/clear the Available check box to show/hide available quantity for each item Enter quantities in the matrix grid and press OK. The user may enter more quantity than is available in the stock for current Item. The font color of a cell is changed to red if the Qty Entered exceeds the Qty Available. The Quantity entered will be loaded into the line as Ordered quantity and the difference of Qty Entered and Qty Available will be automatically backordered. This

logic is applied to the **Sales Ouotes** as well.

New order line will be added for each entered quantity with the corresponding Item Code and Quantity.

sage	📟 Sales Order Entry (TST) 9/18/2013									
O	Order Number 0000199 😳 🔯 🔄 📢 🔌 🕨 🛗 Copy from Defaults Customer Credit									
	<u>1</u> . Header <u>2</u> . Address <u>3</u> . Lines <u>4</u> . Totals <u>5</u> . Credit Ca					5. Credit Card	Card User useriig			
ſ		📎 🕼	ih) - 🗞 -	Quick Row	1 💋	<b>P</b> [] -				
			em Code	Ordered	Back Ordered	Unit Price	Extension	Comment		
	1		TSL BLACK	5.00	3.00	.000	00			
	2		TSL BROWN	5.00	.00	.000	.00			
	3	SUN HA	TSM LILAC	3.00	.00	.000	.00			
	4			.00	.00	.000	.00			
	Description Kid Sun Hats: black									
	Warehouse 0		000		9					
	Unit Of	Measure	EACH							
	Shi	pped			.00					
U	Total Amount .00									
_										
Pr	Print <u>O</u> rder Print Pick 🛞 Recalc Price Item Price Accept <u>C</u> ancel <u>Delete</u>									

When Sales Order is created from a Master Order the program will check the Qty Available and automatically backorder the quantity exceeding Qty Available.