



Be a Southware Genius

2021 SPA Digital Conference

The Matrix is a powerful tool to manage related stock items that may share characteristics

- Example – for ordering clothing, you may need to sell multiple sizes and colors of the same shirt design, how do you manage those and keep track of which ones you have already entered on the order and which ones still need to be added.
- Although color and size are frequently referenced, other variables can also be used – e.g. type of material (for woods – oak, pine, balsa, bamboo, ebony, maple, teak, etc.).

Enter the Matrix...

(of course we were waiting to use that line)
In Order Entry, the Matrix appears like this:

Matrix Entry for 448L

COLOR...	S	M	L	XL	XXL
RED	1.000			3.000	
BLUE	2.000	1.000	3.000		
BLACK		1.000			
STONE	1.000		1.000		
DK. NAVY					
ROYAL					
HUNTER					

Right here, we have a single style of jacket, and all the color size combinations for the order visible in one place. Once you are done here.....

Stock # 448L-RED-S
Ladies' Classic Poplin Jacket
65/35 poly/cotton water-repell
RED/S
Unit Price: 31.525

Quantity Available: 6.000
Quantity on Backorder: .000
Quantity on Order: 4.000

Print Matrix

OK

Abandon Changes

Exiting the Matrix.....

The screenshot displays a software window titled "Enter and Edit Orders" for a "Demo Company". The window shows a sales order for "Carl Sanders" with Order # 243. The order type is "Regular". The main data is presented in a grid with the following columns: Line #, Type, Item ID, Description, Loc, U/M, H/C, Quantity, Qty B/O, Unit Price, and Extended Price. Below the grid, there are summary fields for Order Total (1,367.76), Cost (906.00), Weight (81.00), Margin (33.76%), Invoice Total (1,367.76), and Margin \$ (401.76). At the bottom, there are input fields for various order details (Line #, Item #, Desc, U/M, Weight, H/C, Loc, Quantity, Unit Price, Unit Cost, Qty Shipped, Qty B/O, Ship Date) and navigation buttons like "Finish" and "Exit".

Line #	Type	Item ID	Description	Loc	U/M	H/C	Quantity	Qty B/O	Unit Price	Extended Price
30	I	448L-BLUE-M	Ladies' Classic Poplin Jacket	001	EA		1.000	.000	31.525	31.53
40	I	448L-RED-S	Ladies' Classic Poplin Jacket	001	EA		1.000	.000	31.525	31.53
50	I	448L-RED-XL	Ladies' Classic Poplin Jacket	001	EA		3.000	.000	31.525	94.58
60	I	448L-STN-L	Ladies' Classic Poplin Jacket	001	EA		1.000	.000	31.525	31.53
70	I	448L-STN-S	Ladies' Classic Poplin Jacket	001	EA		1.000	.000	31.525	31.53
80	I	448L-BLUE-L	Ladies' Classic Poplin Jacket	001	EA		3.000	.000	31.525	94.58
90	I	448L-BLUE-S	Ladies' Classic Poplin Jacket	001	EA		2.000	.000	31.525	63.05
100	I	448L-BLUE-M	Ladies' Classic Poplin Jacket	001	EA		1.000	.000	31.525	31.53

All the values in the grid are converted into lines on the sales order – much faster and more accurate than keying them in one at a time.

In purchasing, you can select to Purchase for the Matrix, and then enter all the quantities for the group in a single screen.

Matrix Entry for 448L

COLOR...	S	M	L	XL	XXL
RED	4.000			5.000	
BLUE	7.000	2.000			
BLACK					4.000
STONE					4.000
DK. NAVY			3.000		
ROYAL					
HUNTER					

Stock # 448L-RED-S
Ladies' Classic Poplin Jacket
65/35 poly/cotton water-repell
RED/S

Quantity Available: 6.000
Quantity on Backorder: .000
Quantity on Order: 4.000

Print Matrix

OK Abandon Changes

In Receiving, yellow fields show which items have qtys to receive

Matrix Entry for 448L

COLOR...	S	M	L	XL	XXL
RED	Yellow			Yellow	
BLUE	Yellow	Yellow			
BLACK		Yellow			Yellow
STONE					Yellow
DK. NAVY			Yellow		
ROYAL					
HUNTER					

Stock # 448L-BLK-M
Ladies' Classic Poplin Jacket
65/35 poly/cotton water-repell
BLACK/M
Unit Cost: 20.250

Quantity to Receive: 5.000
Quantity Received: .000

Print Matrix

OK Abandon Changes

Rec Doc Qty
Needs Edit

Managing the Matrix

- If you define the row and column values, the system can generate stock item numbers for you for new products.
- Or you can assign existing stock numbers to row/column combinations you already have in place.

When you first define your matrix, you can enter existing stock items or the matrix proposes ones for you.

SIZE / C...	BLACK	BLUE	BROWN	FORES...	GREY	MAROON	WHITE
30X30	-3030-BL...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...
30X32	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...
30X34	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...
32X30	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...
32X32	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...
32X34	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...
34X30	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...
34X32	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...
34X34	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...
36X30	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...
36X32	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...
36X34	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...

**** Item needs to be generated ****

Lookup Stock Print Matrix Toggle Apply OK Abandon Changes

Items in red are proposed stock items that don't exist yet

Matrix Stock Items for 458M

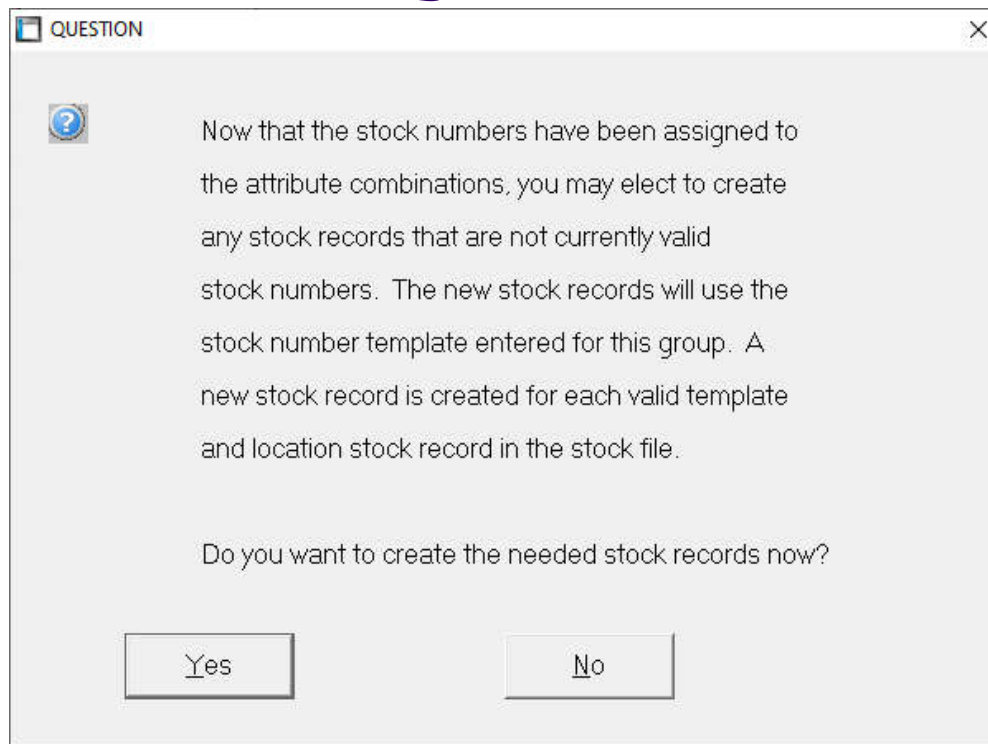
SIZE / C...	BLACK	BLUE	BROWN	FORES...	GREY	MAROON	WHITE	
30X30	I-3030-BLK	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	
30X32	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	
30X34	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	458M-30...	
32X30	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	
32X32	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	
32X34	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	458M-32...	
34X30	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	
34X32	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	
34X34	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	458M-34...	
36X30	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	
36X32	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	
36X34	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	458M-36...	
38X30	458M-38...	458M-38...	458M-38...	458M-38...	458M-38...	458M-38...	458M-38...	

458M MENS DRESS SLACKS
65/35 poly/cotton water-repell
30X30/BLACK

Lookup Stock Toggle Apply OK Abandon Changes

Print Matrix

The system gives you the option to create stock records using a template record you define.



You can also specify pricing across the group items you create.

Confirm Group Price/Cost

Search Enter Help Exit

Maintain Price/Cost for 458M

Method	A	Average
Average		25.000
Last		25.000
Standard		25.000
+Method	M	Mult of List
List		56.000
level 1		56.000
level 2		50.400
level 3		44.800
level 4		42.000
level 5		28.000

Stock # 458M

Group ID 458M

458M MENS DRESS SLACKS

OK Cancel - Exit

The created stock items have a prefix you define and then row and column values.

15-07-01 SouthWare Excellence Series (DMU) Demo Company
File Edit Approv Search Next Previous Enter Options Breakout Link Help
Maintain Stock File

*1. Stock # 458M-3030-GREY *2. Loc 001

3. Description 458M MENS DRESS SLACKS

4.+U/M EA \$6.3
5.+Cat AP 6.3-

65/35 poly/cotton water-repell
30x30/GREY

Sales Costing

6. Method A Average
7. Average 25.000
8. Last 25.000
9. Standard 25.000

Pricing

10.+Method Mult of List
11. List 56.000
12. level 1 56.000
13. level 2 50.400
14. level 3 44.800
15. level 4 42.000
16. level 5 28.000
17.+Other Pricing

18. Class/Size JACKET
19. Bin ID
20. Tracked N/A
21.+Equipment? N
22. Commissionable? Y
23. Discountable? Y
24. Taxable? Y
25. Order? Normal
26. Seasonal? 2
27. Weight 4.500
28.+Substitute
29.+Other Fields
30.+History Info

On Hand .000
Committed .000
In Use .000
In Shop .000
Defective .000
Available .000
On Order .000
By/For Locs .000
For Sales .000
On Backorder .000
Not Costed .000
On Vendor RA .000

Purchasing

31.+Vendor No. 50
First Stop Print Shop
32.+Other Purchasing Info
33.+Stock Index
50/AP/JACKET/VKIN

STOCK ITEM | # to change - OK Cancel

F4 More Stock Info

Web Menu | Purchase Order Entry | Inventory Stock Item Records

DEMO 18/08/21 92

As you can see, the matrix can accommodate many rows and columns.

The screenshot shows a software window titled "Matrix Entry for 458M". It contains a grid with 13 rows and 8 columns. The columns are labeled: "SIZE / C...", "BLACK", "BLUE", "BROWN", "FORES...", "GREY", "MAROON", and "WHITE". The rows are labeled with size/color combinations: "30X30", "30X32", "30X34", "32X30", "32X32", "32X34", "34X30", "34X32", "34X34", "36X30", "36X32", and "36X34". A blue cursor is positioned in the cell for "34X34" under the "BLACK" column. Below the grid, there is a summary section with the following text: "Stock # 458M-3434-BLK", "458M MENS DRESS SLACKS", "65/35 poly/cotton water-repell", "34X34/BLACK", "Unit Price: 36.400", "Quantity Available: .000", "Quantity on Backorder: .000", "Quantity on Order: .000", and a "Print Matrix" button. At the bottom right of the summary section are "OK" and "Abandon Changes" buttons.

SIZE / C...	BLACK	BLUE	BROWN	FORES...	GREY	MAROON	WHITE
30X30							
30X32							
30X34							
32X30							
32X32							
32X34							
34X30							
34X32							
34X34							
36X30							
36X32							
36X34							

Stock # 458M-3434-BLK
458M MENS DRESS SLACKS
65/35 poly/cotton water-repell
34X34/BLACK
Unit Price: 36.400

Quantity Available: .000
Quantity on Backorder: .000
Quantity on Order: .000

Print Matrix

OK Abandon Changes

Questions

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