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SAGE 100

AUTO GENERATE PRODUCTION ENTRIES OPERATING MANUAL

<http://fayebsg.com/sage-auto-generate-production-entries/>

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Enhancement for Sage 100
Auto Generate Production Entries

Overview

The **Auto Generate Production Entries** enhancement streamlines and automates the process of making production entries each time a receipt of goods entry is processed. Many organizations will process production entries for finished goods immediately upon receipt of specific component items. This enhancement automates that process to eliminate manual and duplicate processes.

Key Features & Functions

- Generate production entries from PO Receipts
- Eliminate manual data entry
- Improve accuracy of production entries
- Increase speed of production entries
- Improve timeliness of inventory information
- May eliminate the need for the Work Order Module

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Enhancement for Sage 100 Auto Generate Production Entries

Procedures

1. Launch Sage 100.
2. Select **General Bill of Materials** from the *Sage 100 Modules Menu*.
3. Select **Auto Generate Production Entries** from the *Bill of Materials Main Menu*.

Auto Generate Options	
Production Entry No.	Purchase Order No.
Parent Warehouse	Default to Item
Component Warehouse	Default to Item
Bill Quantity-Parent	Receipt Qty
Bill Quantity-Component	Receipt Qty
Lot / Serial Source Parent	PO Number
Lot / Serial Source Comp	PO Number
After Entry Sequence	Production Entry
Override Parent Whse	<input type="checkbox"/>
Override Component Whse	<input type="checkbox"/>
	0.000
	0.000
Mark PC as Complete (Y/N)	<input type="checkbox"/>
Save Options	<input checked="" type="checkbox"/>

Auto Generate Selections			
	All	Starting	Ending
Purchase Order	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Receipt Date	<input checked="" type="checkbox"/>	<input type="text"/>	12/31/99
Receipt No.	<input checked="" type="checkbox"/>	<input type="text"/>	999999
Vendor Nn	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Item No.	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>
Product Line	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>

Proceed Cancel

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4. Click **Proceed**.

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Print Production Register?

Yes No

5. At the conclusion of generating the entries, the system will prompt you to **Print Production Register?** Click **Yes** to print the register and go through the update process.

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Explanation of Options

There is significant flexibility in how the entries are generated. Once you select the options, you have the option to save them for the next time you use the function.

Production Entry No.: Dropdown Box with options for Sequential or Purchase Order No.:

- If Sequential is chosen, the production entry no. will be the next number per the BM Module.
- If Purchase Order No. Is chosen, the production entry no. will be the purchase order number applied in the ROG entry.

Parent Warehouse: Dropdown Box with options for Default to Item or PO Line or Override:

- If Default to Item is chosen, the parent warehouse in the entry will be the default warehouse for the item in IM1.
- If PO Line is chosen, the warehouse on the Purchase Order line should be used.
- If Override is chosen, the dialog screen will prompt the user for the parent warehouse to be used for *all* production entries.

Component Warehouse: Dropdown Box with options for Default to Item or Override:

- If Default to Item is chosen, the component warehouse in the entry will be the default warehouse for the item in IM1.
- If Override is chosen, the dialog screen will prompt the user for the component warehouse to be used for *all* production entries.

Bill Quantity-Parent: Dropdown Box with options for Receipt Qty or Receipt Qty + Amt or Receipt Qty + %:

- If Receipt Qty is chosen, the Quantity of the finished good to be produced will be equal to the quantity of the good received.
- If Receipt Qty + Amt is chosen, the screen will then prompt for an amount. The Qty of the finished good to be produced will then be equal to the quantity of the good received + the amount entered.
- If Receipt Qty + % is chosen, the screen will then prompt for a percentage. The Qty of the finished good to be produced will then be equal to the quantity of the good received + the percentage entered times the quantity of the good received.

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Explanation of Options (Continued)

Bill Quantity-Component: Dropdown Box with options for Receipt Qty or Receipt Qty + Amt or Receipt Qty + %:

- If Receipt Qty is chosen, the Quantity of the component to be removed will be equal to the quantity of the good received.
- If Receipt Qty + Amt is chosen, the screen will then prompt for an amount. The Qty of the component to be removed will then be equal to the quantity of the good received + the amount entered.
- If Receipt Qty + % is chosen, the screen will then prompt for a percentage. The Qty of the component to be removed will then be equal to the quantity of the good received + the percentage entered times the quantity of the good received.

Lot / Serial Source Parent: This option is only relevant when lot or serialized items are in use for Bill Parent items. Dropdown Box with options for Manual, PO Number, PO Receipt Date, or Custom:

- If Manual is chosen, the user must manually apply the lot or serial number to the Bill Parent.
- If PO Number is chosen, the system will automatically assign a lot or serial number to the Bill Parent equal to the PO Number.
- If PO Receipt Date is chosen, the system will automatically assign a lot or serial number equal to the purchase order receipt of goods date to the Bill Parent.
- If Custom is chosen, we will program special calculations as needed to establish a unique lot or serial number to the Bill Parent.

Lot / Serial Source Comp: This option is only relevant when lot or serialized items are in use for Bill Component items (line items). Dropdown Box with options for Manual, PO Number, PO Receipt Date, or Custom:

- If Manual is chosen, the user must manually apply the lot or serial number to bill components.
- If PO Number is chosen, the system will automatically assign a lot or serial number equal to the purchase order number to components.
- If PO Receipt Date is chosen, the system will automatically assign a lot or serial number equal to the purchase order receipt of goods date to bill components.
- If Custom is chosen, we will program special calculations as needed to establish a unique lot or serial number to bill components.

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Explanation of Options (Continued)

- After Entry Sequence:** Drop Down box with options for Prompt for Register or Production Entry:
- If Prompt for Register is chosen, the system will prompt to “Print Production Register?” after the entries have been generated.
 - If Production Entry is chosen, the system will place the user in the Production Entry screen after the entries have been generated. This is especially valuable if you need to edit production entries prior to updating.
- Override Parent Whse:** Instead of using the default warehouse for the parent item, this option allows the selection of a different warehouse for all Parent items.
- Override Comp Whse:** Instead of using the default warehouse for component items, this option allows the selection of a different warehouse for all component items.
- Mark PO as Complete:** For in-house production orders, many times the receipt of goods indicates that an order is complete. Checking this box will mark the PO as complete even if a Receipt of Invoice has not occurred.
- Save Selection Criteria:** Check Box (defaults to YES) allows selected options to be saved for future use.

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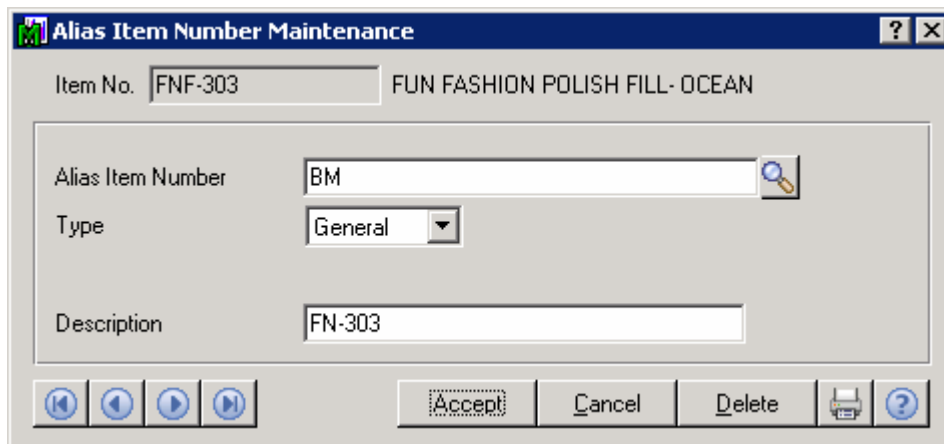
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Technical Information

Once the *Auto Generate Selections* are made, the Auto Generate program will read all Receipt of Goods Entries in the Purchase Order Receipt History Files that meet the selection criteria entered. Based on that criteria, the program will then create entries in the Bill of Materials Production Entry data files.

Criteria for generating BM Production Entry =

- a. For each valid item in the Purchase Order History file (PON), the function will check that item's related ALIAS file.
- b. If an Alias Item Number for *BM* exists for the item received, then the function will automatically create a Production Entry for the item number contained in the BM Alias Item's related Description field.



In the above example, item number FNF-303 (the “fill” item for the finished good FN-303) has been received and updated from Receipt of Goods Entry. The function would then automatically create a Production Entry for item FN-303.

- c. If an Alias Item Number for *BM* does not exist, the function will bypass this item.
2. After generating the production entries, the system will either prompt “Print Production Register?” (As if the entries had been made manually) or leave the user in the BM Production Entry screen. This depends on the value chosen for After Entry Sequence in the Auto Generate Options.