

CHANGE REQUEST

Change Request # CR0234 – Multi-Level MO Gen

Description of Change

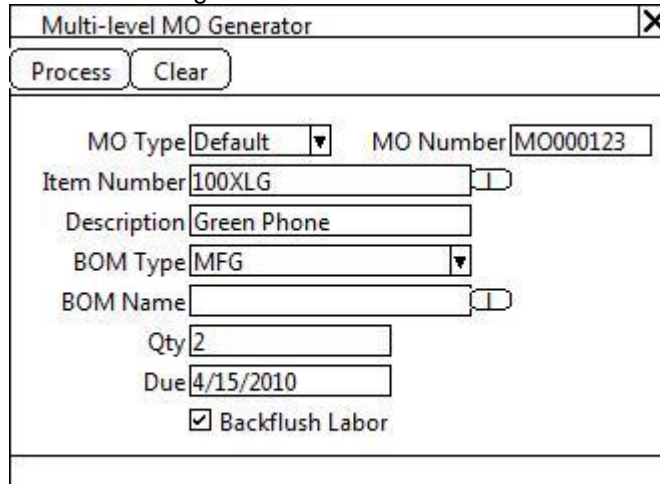
Description of Need:


ACMECO's made items have a multi-level BOM containing multiple made-to-stock items. When an MO is created for an upper level item, they need to manually create an MO for each of the subcomponents. ACME would like to automate this process, so that information can be entered for the upper level item, and the system will create manufacturing orders for that item, and each of its made-to-stock subcomponents.

All auto-generated MOs should have the picklist built, and be released.

Description of Solution:

Navigation: Transactions >> Manufacturing >> Multi-Level MO Generator



 = Lookup Button

Field	Function
MO Type	Fills with the list of MO Doc Types from MFG PowerPack. Default = use GP Mfg Next MO Number. This will be set to Default by default.
MO Number	When user clicks PROCESS, the MO Number will be generated and displayed on the window.
Item Number	User enters an item number, or selects one from the lookup.
Description	Populates automatically when Item Number is entered.
BOM Type	Defaults to MFG. User can also select ENG or ARCH. Only BOM Category = REGULAR are included in the MO Generation process.
BOM Name	Becomes enabled if user selects ARCH. User must select a BOM Name if BOM Type = ARCH
Quantity	User enters quantity to make
Due	User enters date due. Backward Infinite scheduling will be used for all MOs generated by the utility
Backflush Labor	Unmarked by default. If marked, all sequences on the routing will be changed to Auto-Backflush Labor. Otherwise the setting from the Routing will be used.

	<p>NOTE: this will be a drop-downlist (not a checkbox) with the options:</p> <ul style="list-style-type: none"> • Backflush • Do Not Backflush • Routing Default 	
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The Multi-Level MO Generator will be used to create an MO for a selected upper level item, and all Make To Stock subcomponents in its BOM.

Clicking PROCESS will execute the following steps:

- Create and populate the MO Number based on the MO Type selection. The top-level MO will have this MO Number.
 - All child MOs will be appended with "-0000", which will increment by 1 for each child MO.
 - The first child MO will be MONUM-0001, then MONUM-0002 and so on.
 - MONUM is whatever MO Number is created based on the MO Type
 - The MO Number field is 30-characters max. Before starting to create MOs, the system will check that appending the suffix will not exceed max length for the field. If so, the user will receive a warning.
- Create an MO for the selected item, and quantity. The MO will be scheduled using Backward Infinite scheduling based on the entered Due Date. The MO status will be released.
 - If the Backflush Labor flag is marked, the routing sequences will be marked to Auto-Backflush Labor
- Retrieve a list of the make-to-stock components from the BOM for the item. Only BOM Category = REGULAR items are included.
- Create an MO for the subcomponent
 - Quantity will be Parent Item Qty * Component BOM Qty.
 - Due Date will be the Parent Item's MO Start Date (calculated by GP when that MO was scheduled).
 - The MO will be scheduled and released using Backward Infinite scheduling. The calculated Start Date will be used as the Due Date for any child-MOs.
 - If the Backflush Labor flag is marked, the routing sequences will be marked to Auto-Backflush Labor.
 - Retrieve a list of make-to-stock components from the BOM for this item, repeat the process