DS0102
MFG Serial/Lot Linker

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Problem Definition

Problem Definition	**CCDA**
ACME Co. is using Dynamics GP Manufacturing, and using the Serial/Lot Linking functionality. They would like to be able to perform the linking by scanning in bar coded item numbers and serial numbers.	

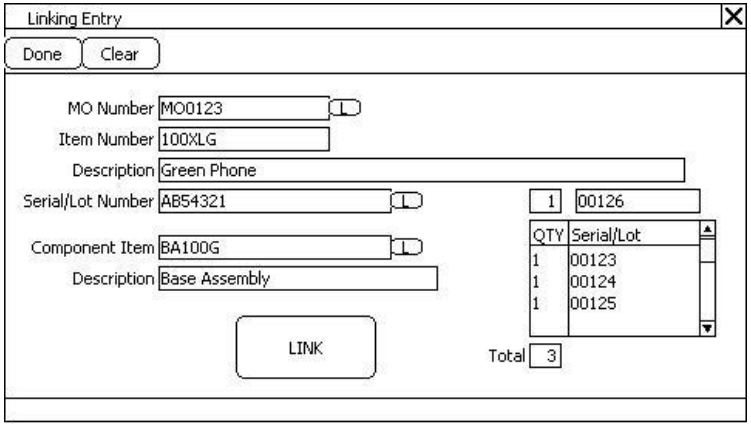
Solution Overview

Solution Overview	**CCDA**
A new window will be created that is designed specifically to support use with a scanner. After scanning in the made item, its serial number, and a component part with its serials, the window will automatically generate the links and be ready for the next component.	

Design Features

Linking Entry	CCDA

A new window will be added to Dynamics GP called Linking Entry. It will be accessed from Extras >> Additional >> Linking Entry when the MO Receipt Entry window.



Like the Manufacturing Serial/Lot Linking window, the finished item serial/lot numbers must have already been entered, and the component serial/lot numbers must have been issued to the MO (or already selected during the MO receipt).

Field	Function
MO Number	User can enter, select, or scan in a MO Number.
Item Number	Auto-populates from the MO
Description	The Item Description populates automatically
Serial/Lot Number	User scans in a finished item serial/lot number, or selects one from the lookup. The Lookup shows the finished good serial/lot numbers that have already been entered for the selected MO. If the entered serial/lot number is not valid (i.e. does not exist as one

	of the serial/lot numbers produced by the MO), the field will execute a **Flash Red Alert.** **Flash Red Alert:** the field will flash red, be cleared, and focus put back into the field. This method of alerting the user to an error is proposed rather than a pop-up warning message, because the pop-up box requires the user to click the OK button with the mouse. The proposed alert message should provide the user with the needed feedback, while allowing them to continue using the scanner.
Component Item	User can scan in, enter, or lookup a Component Item. The Lookup will show only item numbers issued to this MO. On error, the field will execute a Flash Red Alert. If the entry is OK, focus will be placed into the Component Serial/Lot Entry field—the empty field above the scrolling window. If the component is Lot Numbered, the focus will be placed into the Qty field. Otherwise the Qty field is set to 1 for serial numbered items, and is not editable.
Description	Auto-populates with the Component Item Description
Component Serial/Lot Entry	After scanning each component serial/lot it will be added to the scrolling window, and the count of Total Qty of serials/lots will increment. If there is an error, the field will exhibit the flash red error described above. For lot numbered items, the focus will move back to the Qty field. The Qty field will always reset to zero.
LINK button	Clicking the LINK button will build serial links between the made item, and the components and its serial numbers. The following fields will then be cleared: Component Item, Description, component serials list. Focus will be placed into the Component Item field ready to receive the next scanned item number.