



DS0072

BOM Import Utility



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Problem Definition

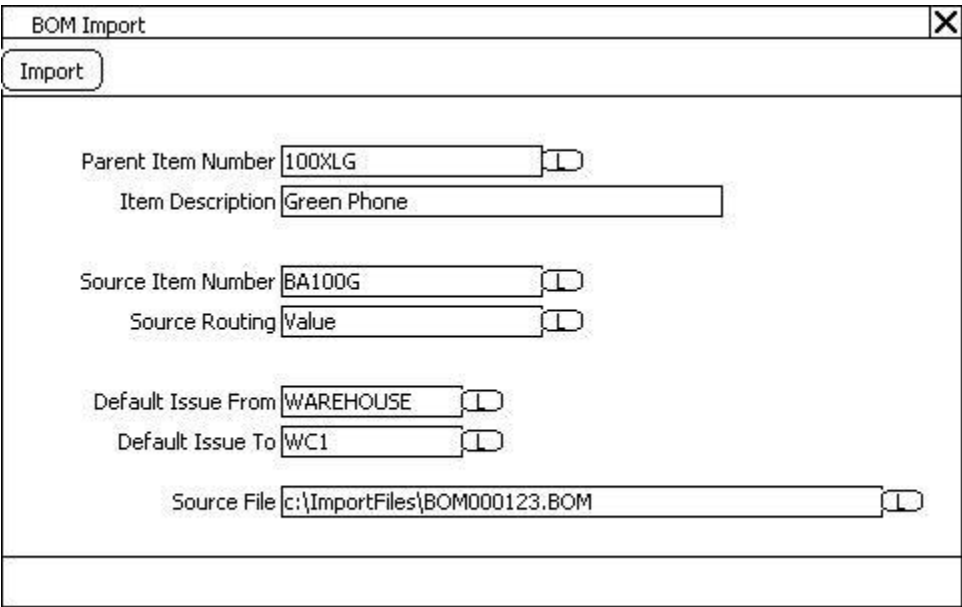

<i>Problem Definition</i>	CCDA
<p>ACME produces a Bill of Materials export file from engineering software, which needs to be imported into the Dynamics GP Manufacturing BOM. At the same time, a Routing needs to be created by copying a source Routing.</p>	



Solution Overview

<i>Solution Overview</i>	CCDA
<p>A BOM Import utility window will be added to Dynamics GP that will allow a user to import in the Manufacturing BOM a flat file containing a list of components. This process will also import Reference Designators, and create a Routing.</p>	

Design Features

BOM Import	CCDA				
<p>A new window will be added to Dynamics GP called BOM Import. This will be access from Tools >> Utilities >> Inventory >> BOM Import.</p>  <p>Legend:  = Lookup Button</p> <table border="1" data-bbox="191 1263 1272 1352"> <thead> <tr> <th>Field</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>Parent Item Number</td> <td>User selects the part number for which the BOM will be imported. The parent part and all components must already exist in</td> </tr> </tbody> </table>	Field	Function	Parent Item Number	User selects the part number for which the BOM will be imported. The parent part and all components must already exist in	
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Parent Item Number	User selects the part number for which the BOM will be imported. The parent part and all components must already exist in				

	Dynamics GP. If the part already has a MFG BOM, the system will warn the user that proceeding will delete the BOM and Reference Designators.	
Item Description	Displays when users enters an Parent Item Number	
Source Item Number	The user enters a Item Number that has a Routing which will be copied for the new Item.	
Source Routing	The user enters a Routing ID that will be copied. If the user leaves the Routing fields blank, the system will just import the BOM.	
Default Issue From	The user enters the Site ID to be used as the Issue From Site. This will populate the Default Issue From on the BOM Header, as well as the Issue from for each Component line.	
Default Issue To	The user enters the Site ID to be used as the Issue To Site. This will populate the Default Issue To on the BOM Header, as well as the Issue To for each Component Line.	
Source File	The user selects the BOM export file. This must always have a ".BOM" extension.	
<p>For the imported BOMs: BOM Type = MFG BOM BOM Category = Regular Effective Date = Current Date Backflush Item = Marked (all components are backflushed) Rev Level = "0" (zero) Component Position Number: this will be calculated using the "Incremental Spacing" on the BOM Preference Defaults window.</p> <p>Source File Details: The source file must always have a .BOM file extension. The file has column headers, a blank row, then the details. A sample is shown below.</p>		

<pre> 0 10 20 30 40 1 "ComponentName", "Count", "RefDes", "BOMPART" 2 3 "9118384", "1", "BR28", "OPEN" 4 "14120029S", "1", "P1", "" 5 "91110000", "3", "BR14", "OPEN" 6 "91110000", "", "BR32", "OPEN" 7 "91110000", "", "BR33", "OPEN" 8 "91110000", "10", "BR16", "" 9 "91110000", "", "BR17", "" 10 "91110000", "", "BR20", "" </pre> <p>Count = Quantity. It is assumed the components are all entered using their Base Unit of Measure, and that Quantity (Count) is always a whole number.</p> <p>RefDes (Reference Designator): There is one line in the import file for each Component-Reference Designator combination. The first instance has the Quantity (i.e. the "10" line above), which is then followed by "91110000" list nine more times, each with a different Reference Designator).</p> <p>BOMPART: If this field contains "OPEN", skip the line.</p> <p>During the import process the system will verify that the Component Item Number exists in the Item Master in Dynamics GP. If any component does not have a match in GP, the BOM will not be imported and no changes will be made in GP.</p> <p>The import will generate an error report that displays all Component Item Numbers that do not have a match in GP.</p>	
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