



CRAWFORD
SOFTWARE

Co-Parts in Epicor ERP

Co-Parts or Co-Products

- In addition to the main material being made during the production process of semi-finished or finished goods, additional products that can either be used internally in other production processes or sold.
- They hold commercial value and add positively to the cost of goods manufactured.
- Production of one part creates another part at the same time:
 - Nesting
 - Stamping
 - Cutting
- In the petrochemical industry when producing crude oil, the process can also produce gasoline, diesel and kerosene.
- A Co-Part entails joint production and the cost of production can be apportioned between the main product and Co-Parts.

Co-Parts or Co-Products

Requirements:

- The functionality is only available with the Advanced Production module.

Limitations:

- Co-Part functionality is only available at the main assembly level and is not available at the subassembly level. To take advantage of co-part functionality, subassemblies must go through stock and be pulled as a material to the job.
- Serial-tracked parts cannot be co-parts.
- Configured parts cannot be co-parts.



Job Entry

The screenshot displays the 'Job Entry' application window. On the left is a menu bar with 'File', 'Edit', 'Tools', 'Actions', and 'Help'. Below it is a sub-menu with 'New Job...', 'New Co-Part' (highlighted), and 'New Demand Link'. The main window has a tabbed interface with 'Demand Summary', 'Make To Stock', 'Make To Order', 'Make To Job', 'People', 'Comments', and 'Co-Parts' (selected). Under the 'Co-Parts' tab, there are two sub-tabs: 'Detail' (selected) and 'List'. The 'Detail' tab contains several input fields and checkboxes:

Part...	<input type="text"/>	Rev:	<input type="text"/>	Shipping Docs Available:	<input type="checkbox"/>
Description:	<input type="text"/>	UM:	<input type="text"/>	Shipping Docs Required:	<input type="checkbox"/>
Yield Per:	<input type="text" value="1"/>	Stock Quantity:	<input type="text" value="0.00"/>	Prevent Suggestions:	<input type="checkbox"/>
Part Quantity:	<input type="text" value="0.00"/>	Received Quantity:	<input type="text" value="0.00"/>		
Material Cost Factor:	<input type="text" value="1"/>	Order Quantity:	<input type="text" value="0.00"/>		
Labor Cost Factor:	<input type="text" value="1"/>	Shipped Quantity:	<input type="text" value="0.00"/>		

Enter the part to be produced and placed in inventory.

Material and labor cost factor are used to prorate material and labor costs between the primary part being produced and the co-part being produced.

Prevent Suggestions

MRP either considers the Co-Part when creating Job Suggestions or ignores them.

Changing from sequential production mode to concurrent production mode will allow you to enter a yield per for the co-part.

The 'Quantities' dialog box shows the following settings:

Prod:	<input type="text" value="50"/>	<input type="text" value="EA"/>	<input type="text"/>
Mode:	<input type="text" value="Concurrent"/>		
Locked:	<input type="checkbox"/>	Production Yield:	<input type="checkbox"/>

Engineering Workbench

ECO Group Tasks **Revision** Method of Manufacturing

Detail List Co Parts

Group ID: **Not Approved**

Part Number... Machine MES:

Description:

Site:

Rev: Effective: As Of: 06/08/2018

Alternate Method: Use Alternate Method for Parts:

Alt Description:

Drawing: Validate Ref Designators:

ECO: **Has Co-Parts**

Concurrency:

Set to identify if the parts are produced concurrently or sequentially.

Engineering Workbench

File Edit Tools Actions Help

Engineering Workbench SMC

Engineering Workbench

ECO Group Tasks **Revision** Method of Manufacturing

Detail List **Co Parts**

Detail List

Part/Rev... Rev:

Description: UOM:

Yield Per:

Material Cost Factor:

Labor Cost Factor:

Prevent Suggestions:

Primary Costing:

Prevent Suggestions

MRP either considers the Co-Part when creating Job Suggestions or ignores them.

Primary Costing

When primary costing is selected a cost roll-up uses the co-part method. When left unchecked the parts costing method and standard logic is used.

Quote Entry

Opportunity/Quote Entry

File Edit Tools Actions Help

1083 USD (Doc)

Opportunity / Quote

Opportunity / Quote Entry

Summary Header **Line** People Tasks One Time Ship To

Detail List Misc Charges Comments **Manufacturing** Worksheet Related Sales Orders Kit Details Tax

Details **Revision** Co Parts

Part/Rev... 60480460B A

Description: DS2720, BLACK, 10HP, 4.5H, 460V,

Drawing:

Concurrency: Sequential

Lead Time:

Co-Parts:

PLM:

Opportunity/Quote Entry

File Edit Tools Actions Help

1083 USD (Doc)

Opportunity / Quote

Opportunity / Quote Entry

Summary Header **Line** People Tasks One Time Ship To

Detail List Misc Charges Comments **Manufacturing** Worksheet Related Sales Orders Kit Details Tax

Details Revision **Co Parts**

Detail List

Part/Rev... Description: Rev: UM:

Yield Per: 1

Material Cost Factor: 1

Labor Cost Factor: 1

Prevent Suggestions:

Thank You

This presentation was meant to be an introduction to Co-Part functionality in Epicor ERP. For more details on the functionality including examples, costing process and more please contact Steve Burns - Steven.Burns@Crawford-Software.com

Don't forget to visit our web site for more Epicor ERP reference documents including:

- Business Process Procedures
- Tips and Tricks
- Webinar Recording
- How To Videos

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