

Bill of Material

Materials for the outside process operation

Bill of Material

← SAVE & CLOSE [Print] [Refresh] + [Delete] [Back] < > [Forward] ACTIONS ▾ REPORTS ▾

* BOM ID: 000022 Inventory ID: AMBASE - Base Unit
 * Revision: A Warehouse: WHOLESALE - Wholesale Warehouse
 Hold Start Date: 2/21/2019 End Date: _____
 Status: Active
 Description: Single Subcontractor

[Refresh] + [Close] [Filter] [Print] [Save]

* Operation ID	* Work Center	Oper Desc	* Setup Time	Run Units	* Ru
> 0010	AASERVICES	Vendor AAServices	3 d 00:00	1.00	0 d

MATERIALS STEPS TOOLS OVERHEAD OUTSIDE PROCESS

[Refresh] + [Close] REFERENCE DESIGNATORS RESET LINES [Filter] [Print] [Save]

* Inventory ID	Description	Qty Required	* UOM	Unit Cost	Planned Cost	Material Type	Subcontract Source	Warehouse
> SUBCON	Subcontractor Expense	2.35	UNIT	1.00	2.35	Subcontract	Purchase	1
AMDRIPTRAY	Drip Tray	1.00	EA	2.00	2.00	Subcontract	Ship To Vendor	2
AMSSSCREW	Stainless Steel Screw	2.00	EA	0.25	0.50	Subcontract	Vendor Supplied	3

The Material Type of **Subcontract** is specified and the **Subcontract Source** determines the behavior.

1. Inventory Item 1 is a non-stock item that represents the cost of the service and will be **purchased** from the vendor. You can use a stock item also.
2. Inventory Item 2 is a stock item that will be **shipped** to the vendor from your inventory.
3. Inventory Item 3 is **vendor supplied**. The cost is not included in the rolled up cost and no transactions are generated,

Outside Process tab

MATERIALS STEPS TOOLS OVERHEAD **OUTSIDE PROCESS**

GENERAL SETTINGS

Outside Process 1

Drop Shipped to Vendor

Vendor: AASERVICES - AA Services

Vendor Location: MAIN - Primary Location 2

1. The Outside Process flag is inherited from the work center

2. You define the vendor and vendor location for this operation.

Creating the Production Order and Purchase Order

When the production order is created for an inventory item with a material type of subcontract and the subcontract source is purchase, the Mark for PO box is automatically checked for the material line.

Production Order Details

← SAVE & CLOSE [Print] [Refresh] [Copy] [Paste] [Home] [Back] [Forward] [Inquiries] ▾

* Order Type: RO - Regular Order [Edit] [Search] Inventory ID: AMBASE - Base Unit [Edit] [Search]
 * Production Nbr: P00077 [Edit] [Search] Warehouse: WHOLESALE - Wholesale Warehouse [Edit] [Search]
 Order Date: 10/8/2019 Status: Planned Hold

[Refresh] [Add] [Delete] [Filter] [Print] [Sort]

* Operation ID	* Work Center	Status	Qty to Produce	Qty Remaining	Qty Complete	Operation Description	* Setup Time	Run
> 0010	AASERVICES	Planned	0.00	3.00	0.00	Vendor AAServices	3 d 00:00	

MATERIALS STEPS TOOLS OVERHEAD TOTALS OUTSIDE PROCESS

[Refresh] [Add] [Delete] RESET LINES ALLOCATIONS [Filter] [Print] [Sort]

* Inventory ID	Description	Qty Required	* UOM	Unit Cost	Mark for PO	Material Type	Subcontract Source	Back
> SUBCON	Subcontractor Expense	2.35	UNIT	1.00	<input checked="" type="checkbox"/>	Subcontract	Purchase	
AMDRIPTRAY	Drip Tray	1.00	EA	2.00	<input type="checkbox"/>	Subcontract	Ship To Vendor	
AMSSCREW	Stainless Steel Screw	2.00	EA	0.25	<input type="checkbox"/>	Subcontract	Vendor Supplied	

You can create the purchase order for all items with a subcontract source of Purchase multiple ways:

- Directly from the Outside Process tab
- Using Critical Materials
- Using Create Purchase Orders in the Purchasing module. This method allows you to create single PO for multiple production orders for the same vendor.

Outside Process tab method

MATERIALS	STEPS	TOOLS	OVERHEAD	TOTALS	OUTSIDE PROCESS
GENERAL SETTINGS			OPERATION QUANTITY		
<input checked="" type="checkbox"/> Outside Process <input type="checkbox"/> Drop Shipped to Vendor Vendor: <input type="text" value="AASERVICES - AA Services"/> Vendor Location: <input type="text" value="MAIN - Primary Location"/>			Qty to Produce: 0.00 Shipped Quantity: 0.00 Ship Remaining Qty: 0.00 At Vendor Quantity: 0.00 Qty Complete: 0.00		
PURCHASE ORDER					
PO Order Nbr.: _____ PO Line Nbr.: 0					
<input type="button" value="CREATE PURCHASE ORDER"/>					

- Click the Create Purchase Order button to create a single PO.

Purchase Order

Purchase Orders

← SAVE & CLOSE [Icons] ACTIONS ▾ REPORTS ▾

DOCUMENT USER-DEFINED FIELDS

Type: <input type="text" value="Normal"/>	Vendor: AASERVICES - AA Services	Line Total: 7.05
Order Nbr.: <input type="text" value="PO000808"/>	Location: MAIN - Primary Location	Discount Total: 0.00
<input type="checkbox"/> Hold	Owner: EP00000002 - Maxwell Baker	VAT Exempt T...: 0.00
Status: Open	Currency: USD 1.00 VIEW BASE	VAT Taxable T...: 0.00
Date: 10/8/2019	Vendor Ref.: _____	Tax Total: 0.00
Promised On: 10/8/2019		Order Total: 7.05
Description: _____		

DOCUMENT DETAILS TAX DETAILS SHIPPING INSTRUCTIONS VENDOR INFO DISCOUNT DETAILS PO HISTORY PR...

[Icons] ADD ITEM VIEW SO DEMAND ADD BLANKET PO ADD BLANKET PO LINE [Icons]

Branch	Inventory ID	Line Type	Warehouse	Line Description	UOM	Order Qty.
PRODWHOLE	SUBCON	Non-Stock for MFG	WHOLESALE	Subcontractor Expense	UNIT	7.05

- The Line Type is **Non-Stock for MFG**. For a stock item, it would be **Goods for MFG**.
- Only the materials with a **Subcontract Source** of **Purchase** are added to the PO.

Allocations on Production Order Details

Allocations

Unassigned Qty.: 0.00 Start Lot/Serial Number: _____

Quantity to Generate: 0.00

	Allocated	* Alloc. Warehouse	Lot/Serial Nbr.	Related Document	Quantity	UOM	Mark for PO
>	<input type="checkbox"/>	WHOLES...		Normal, PO000808	7.05	UNIT	<input checked="" type="checkbox"/>

Unresolved Issues as of 10/8/2019”

- The Outside Process tab does not show the PO number and will be resolved in a future release.
- The receipt of the PO is not updating the Actual Subcontract cost

Creating the Vendor Shipment

The vendor shipment transaction is used to issue the materials to the production order. The production order must have a status of released or greater.

Vendor Shipments

← SAVE & CLOSE [Icons] ACTIONS ▾ REPORTS ▾

Shipment ID: VS0000006 * Vendor: AASERVICES - AA Services Shipped Quant... 6.00
 Type: Shipment * Location: MAIN - Primary Location Control Quantity: 6.00
 Status: On Hold * Warehouse: WHOLESale - Wholesale Warehouse
 Hold Workgroup:
 * Shipment Date: 10/8/2019 Owner: EP00000002 - Maxwell Baker

DOCUMENT DETAILS SHIPPING SETTINGS

ALLOCATIONS

Type	* Order Type	* Production Nbr	* Operation ID	* Inventory ID	* Warehouse	Location	Quantity	* UOM
> WIP	RO	P00077	0010	AMBASE	WHOLESale	R1S1	3.00	EA
Material	RO	P00077	0010	AMDRIPTRAY	WHOLESale	R1S1	3.00	EA

The Vendor Shipment must be released from hold to confirm the shipment. The line types are:

1. **WIP** – this is the stock inventory item being built on the production order. This does not result in a transaction or accounting entry. It is meant to provide documentation.
2. **Material** – this is the inventory item being shipped to vendor. The **Confirm Shipment** process will issue the material to the production order.

Note: You must use the Import Automation Definition on Production Preferences to populate the form tool bar for the Actions and Reports.

Production Preferences ☆

[Icons] **IMPORT AUTOMATION DEFINITION**

GENERAL SETTINGS

The reports below are provided. There is an option for the Vendor Shipment Picking List to print bar codes.

Reports

Vendor Shipment Pick List

Company: Revision Two Products							10/8/2019 10:46 AM	
User: admin admin							Page: 1 of 1	
Vendor Shipment Pick List								
Shipment Number VS0000006	Shipment Date 10/8/2019	Vendor ID AASERVICES	Vendor Name AA Services	Warehouse WHOLESALE	Contact MAXWELL BA	Ship Via		
No.	Type	Location	Item	Unit Weight	Unit Volume	UOM	Qty.	Qty. Picked
2	WIP	R1S1	AMBASE Base Unit	0.00	0.00	EA	3.00	<input type="text"/>
3	Material	R1S1	AMDRIPTRAY Drip Tray	0.54	2.00	EA	3.00	<input type="text"/>
				Total Weight	1.63	Pulled	<input type="text"/>	
				Total Volume	6.00	Inspected	<input type="text"/>	
						Packed	<input type="text"/>	
Scan to Confirm Picked Items								

Vendor Shipment Packing List



Acumatica
THE CLOUD ERP

Vendor Shipment

Shipment No.: VS0000006
 Date: 10/8/2019
 Vendor ID: AASERVICES
 Status: On Hold

Products Wholesale
 11235 SE 6th St.
 Suite 140
 Bellevue, WA, 98004
 Phone: 206-555-1212
 Web: www.revisiontwo.com

SHIP TO:	RETURN TO:
AA Services 150 5th Ave New York NY 10011 United States of America	150 5th Ave New York NY 10011 United States of America

CONTACT		SHIP VIA		FOB POINT		WAREHOUSE	
NO.	Type	Ord Type	Prod. Nbr	Oper. Nbr	ITEM	QTY.	UOM
1	Material	RO	P00077	0010	AMDRIPTRAY Lot/Serial Nbr:	3.00	EA
2	WIP	RO	P00077	0010	AMBASE	3.00	EA

Confirming the Vendor Shipment

Uncheck the **Hold** box and select **Actions > Confirm Shipment**.

This will result in the following:

The Vendor Shipment **Status** is updated to **Completed**.

A Materials batch is created

Materials

← SAVE & CLOSE [Print] [Refresh] + [Delete] [Copy] [Paste] [Home] [Left] [Right] [End] RELEASE WIZARD

Batch Nbr: <input type="text" value="J000070"/>	Orig Batch Nbr: VS0000006	Total Qty.: 3.00
Status: Released	Orig Doc Type: Vendor Shipment	Total Amount: 6.00
<input type="checkbox"/> Hold	Description:	
Date: 10/8/2019		
Post Period: 10-2019		

[Refresh] + [Close] ALLOCATIONS [Split] [Print] [Download]

	*Order Type	*Production Nbr	*Operatio ID	*Inventory ID	*Warehouse	Location	Qual	Ext. Cost	* UOM
>	RO	P00077	0010	AMDRIPTRAY	WHOLESALE	R1S1	3.00	6.00	EA

The Production Details are updated for the quantity of the WIP item shipped

MATERIALS	STEPS	TOOLS	OVERHEAD	TOTALS	OUTSIDE PROCESS
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GENERAL SETTINGS

Outside Process

Drop Shipped to Vendor

Vendor: AASERVICES - AA Services

Vendor Location: MAIN - Primary Location

PURCHASE ORDER

PO Order Nbr.: _____

PO Line Nbr.: 0

CREATE PURCHASE ORDER

OPERATION QUANTITY

Qty to Produce: 3.00

Shipped Quantity: 3.00

Ship Remaining Qty: 0.00

At Vendor Quantity: 3.00

Qty Complete: 0.00

Receiving the Purchase Order for Services

When the Production Order was created the Subcontract Planned Cost were calculated for all items that have a subcontract source of **Purchase** or **Ship to Vendor**.

MATERIALS STEPS TOOLS OVERHEAD TOTALS OUTSIDE PROCESS								
↻ + × RESET LINES ALLOCATIONS ↔ ☒ ↑								
Inventory ID	Qty Required	Description	Material Type	Subcontract Source	Planned Cost	Total Actual Cost		
SUBCON	2.35	Subcontractor Expense	Subcontract	Purchase	7.05	0.00		
AMDRIPTRAY	1.00	Drip Tray	Subcontract	Ship To Vendor	6.00	6.00		
AMSSCREW	2.00	Stainless Steel Screw	Subcontract	Vendor Supplied	1.50	0.00		

The total cost for an operation that is subcontracted is the sum of 7.05 + 6.00. The 1.50 cost for **Vendor Supplied** is excluded.

MATERIALS		STEPS	TOOLS	OVERHEAD	TOTALS	OUTSIDE PROCESS
PLANNED			ACTUAL			
Labor Time:	3 d 00:00		Labor Time:	0 d 00:00		
Labor:	0.00		Labor:	0.00		
Machine:	0.00		Machine:	0.00		
Material:	0.00		Material:	0.00		
Tool:	0.00		Tool:	0.00		
Fixed Overhead:	0.00		Fixed Overhead:	0.00		
Variable Overhead:	0.00		Variable Overhead:	0.00		
Subcontract:	13.05		Subcontract:	0.00		
Plan Qty:	3.00		Qty Complete:	0.00		
Planned Total:	13.05		Adjustments:	0.00		

The Confirm Shipment will update subcontract cost for Materials. The receipt of the purchase order will update the subcontract cost.