SUPPORT DOCUMENT

Assemblies





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Overview

The Assembly function is a simple manufacturing process that will take components, converting them to a Finished Item in one simple process. The main difference between this and the Process Manufacturing function is that the Assembly function does not facilitate the job in a Work In Progress state.



Setup

Setting Up Assembly BOM's

You setup the Assembly Bills of Material in the Inventory Maintenance function in the BOM Tab. The first thing that we need to do is to add the components for the required number to manufacture – or the Economic Manufacture Quantity. In the example below you will see that we will use 20 Screws to Manufacture 4 Chairs. This feature becomes very handy when manufacturing small high Volume Items, ie pills where we would never manufacture 1x. Note that this is just recipe and you can change the quantity to manufacture when creating the Assembly and the system will adjust the component quantities accordingly.

Inventory Item											
Number Mask: V I Item Numbering Convention											
Number:	chair			Barcode 1:				🖾 Labels			
Description:	Chair			Barcode 2:				🖾 Labels			
Item Summary Vendor	s Pricing Location	Related Items Reorder Ta	axes History BOI	Files Opti	onal Fields	Ext Description	Notes	Statistics	Targets	Trends	Activity
Build with Bill of Materi Build 4 • Items Number screws wood	als of this item from the followi Notes Description Screws Wood	ng components:	Quanti 20.000 2.000	Add Delete							
Inactive										ок	Cancel



Processing an Assembly

Production Schedule (available in Palladium Enterprise Version Only)

The production Schedule allows you to have a graphical view of your planned Jobs. There is also a filter on the top right of the Calendar allowing you to filter on open or closed Jobs and Works Orders. The production Schedule function is not necessary to Process an Assembly.





Works Order (available in Palladium Enterprise Version Only)

The Works Order function allows you to group multiple Jobs for the day or for a selected period, and allows you to perform a mass Materials Issue by printing the Works Order Report Summary. In addition you can create a Works Order by copying Items to Assemble from Sales Orders or from the Production Schedule. In the screen below you will see the Production Schedule Reference number above with the components listed below.

File Edit Na				Work Ord	er				-	×
<u>ne c</u> ut <u>n</u> e	avigate <u>R</u> epo	ort Star i Daan						* n		20 1
Sinew and Ope	n ≪ 🎾 ª	🚡 Adjust 🛛 🕕 Att	ach Files				0	S Record	Print	• 🚳 🖬
				WORK OR	DER					
Start Date: 21	June 2015					Doci	lumber:	WO-00000	0001	
Due Date: 21 June 2015							Date: 21		2015	
						Refer	ence #:	Job referen	ce	
Document It	tems	Document Not	es							
🔲 Jobs 🙆 Cop	by SO								W Vi	ew Images
Job Number	Order Number	r Req Date	Customer Number	Customer Description	Part Number	Part Description	Locatio	on		Quantity
PS-000000001		2015-07-01			chair	Chair	DEFAU	LT		14.00
PS-00000002	SO-00000005	2015-06-21	TST001	Ashburton Reinforcing	chair	Chair	DEFAU	LT		12.00
Job Number	Pa	irt Number	Part Desc	ription		Location				Quantity
Job Number PS-00000001	Pa	rt Number rews	Part Desc Screws	ription		Location DEFAULT				Quantity 70.00
Job Number PS-00000001 PS-00000001	Pa sci wc	rt Number rews 200	Part Desci Screws Wood	ription		Location DEFAULT DEFAULT				Quantity 70.00 7.00

Creating an Assembly or Disassembly

The Palladium Assembly function allows you to create an Assembly, a Disassembly (which effectively inverts the Bill of Material, allowing you to convert from one Item to many items. An example of Disassemblies could be to convert a Carcass into the respective meat cuts, or for decanting Chemicals from one size packaging to many others. You can create an assembly or Disassembly on one of 2 ways.



Loading a BOM

You can create a job by loading from a BOM (Assembly) and have the ability to Assemble or Disassemble entering the required manufacture quantity.

2	Inventory Assembly	_ 🗆 🗙
File Navigate Assembly Image: Second	Report Coad BOM ELoad Production Job II Attach Files Costs: 5120-0000 Item Assembly Costs II Change	🎯 Record 🛛 📺 Print 👻 🌆 🍇 🛛 📅
Assembly Components Number Location	Inventory Assembly (Load BOM) Inventory Item Number: chair Desc: Chair Assembly Direction Assemble Disassemble	X hit Cost Amount
Department: - None - Assembled Items Number Location	Number of items to Build: 4	ost: 0.00 ost: 0.00 nit Cost Amount
		Total Cost: 0.00



Load Production Job

When you load a production Job, you can load either from the Works Order from the Production Scheduled Job Itself. In the example below you will see that we have loaded from the Works Order as per our example with both the To Manufacture Jobs appearing below.

8			Inventory Assembly		- 🗆 ×		
<u>F</u> ile <u>N</u> avigate	<u>A</u> ssembly <u>R</u> ep n ≪ ≫ O Lo 00000001 Costs: 5	ort ad BOM 🔠 Load P 5120-0000 Item Asse	roduction Job 🌐 Attach Files embly Costs 帰 Change	🂰 Record 🛛 🖀	🖞 Print 🝷 📗 🍇 📆		
Date: 22 June 2015							
Number	Location	Quantity	Description	Unit Cost	Amount		
screws	DEFAULT	70.0000	Screws	1.00	70.00		
wood	DEFAULT	7.0000	Wood	132.00	924.00		
screws	DEFAULT	60.0000	Screws	1.00	60.00		
wood	DEFAULT	6.0000	Wood	132.00	792.00		
Department:	Department: None - V Add Costs: 0.00						
Assembled Items				Total Cost:	1 846.00		
Number	Location	Quantity	Description	Unit Cost	Amount		
chair	DEFAULT	14.0000	Chair	71.00	994.00		
chair	DEFAULT	12.0000	Chair	71.00	852.00		
				Total Cost:	± 1 846.00		
😭 Sample Company 💥							

Assembly Reports

Production Schedule Report

This new report will give you a list of the current open Jobs in the production Schedule, detailing their relevant information such as due dates etc.

Where Used Report

This allows you to enter a component and the report will list all the different Assemblies that contain this items.

MRP Report

The MRP report will list all your Assembly Items, allowing you to enter the required Quantity to Manufacture, exploding down to the various components with recommended order quantities.