Picking Goods in the Production Process

SAP Business One Version 9.3

Run Simple

PUBLIC

Welcome to the ***Picking Goods in the Production Process*** course.
You should take the ***Pick and Pack in the Sales Process*** course and have a good knowledge of the production process before proceeding with this training.

Objectives

At the end of this topic, you will be able to:

- Describe the use of the *Pick Pack and Production Manager* tool in the production process.

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- After completing this topic, you will be able to describe the use of the Pick and Pack tool in the production process.

Business Scenario

- OEC Computers resells computers and electronic equipment to retailers in the UK. In addition, OEC Computers also assembles computers that are combined from different components like hard disks, memory cards and cases. OEC has a few production areas to produce different types of computers and other equipment.
- George is the warehouse manager of OEC Computers. He and his SAP Business One consultant, have already implemented picking processes in the company. Now, George wants to also include picking processes for production. He would like to create pick lists for the components required for production. In addition to creating pick lists, he also wants to handle picking components for production from the warehouse and enter the produced item in the warehouse. The consultant shows George how he can leverage the *Pick Pack and Production Manager* as a workbench to create the relevant production documents.

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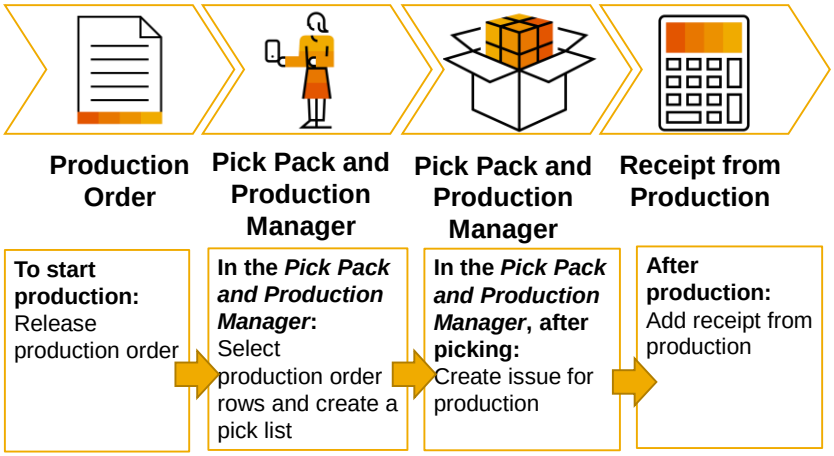
Pick and Pack in the Production Process - Concept



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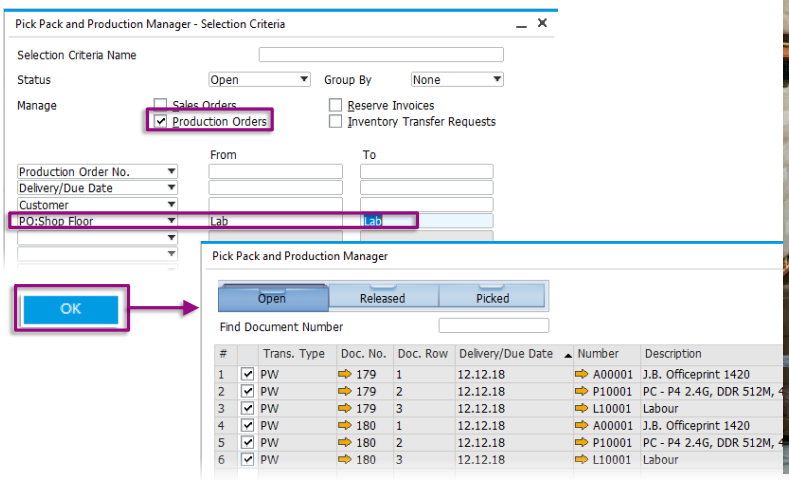
- In the image you can see a general description of the pick and pack process used for production at OEC Computers.
- OEC Computers can generate pick lists to pick items needed for their production process.
- Once a day, George opens the *Pick Pack and Production Manager*, selects the production order rows and creates pick lists.
- The components are then picked and taken to the shop floor area.
- Then, the warehouse manager creates an *Issue for Production* document, from the *Pick Pack and Production Manager*, in order to consume the components in production from inventory.
- Finally, after production is complete, the warehouse manager adds a *Receipt from Production* document to add the final product to inventory.
- Note that for component items using the backflush method, the process does not include creating an *Issue for Production* document.
- Also note that this is just one scenario. Some companies may prefer to create pick lists in the same run for different types of base documents. For example, they may run the *Pick Pack and Production Manager* for both production orders and *sales orders* simply because their picking process is the same or done by the same employees.

Pick Pack and Production Manager - Selection Criteria

Inventory → Pick and Pack → Pick and Pack Manager



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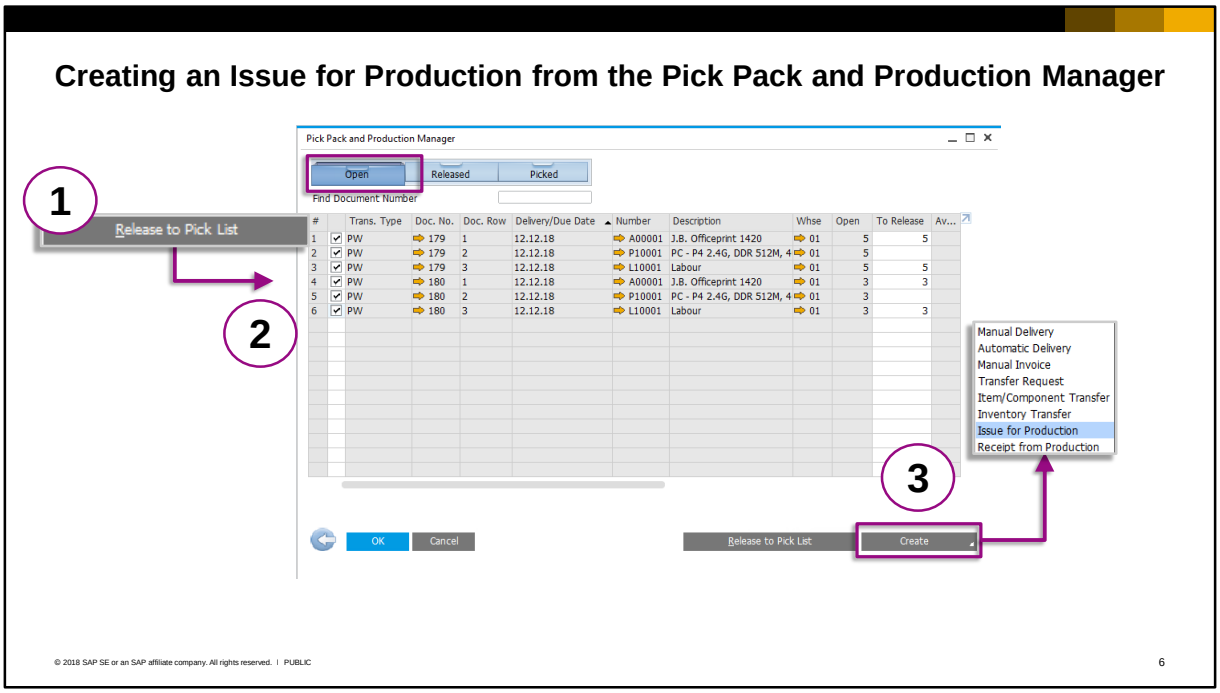
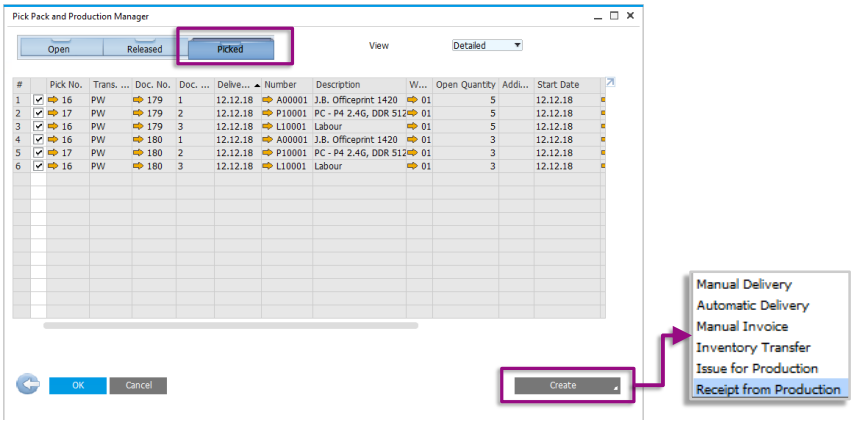
George runs the *Pick Pack and Production Manager* for all production orders in the **Lab** shop floor. OEC Computers have added a user-defined field in the *Production Order* document to indicate which shop floor will be used because they have three different shop floors. George wants to see only production orders designated for the **Lab** shop floor.
When George chooses the OK button to open the *Pick Pack and Production Manager*, he sees a list of production order rows for the Lab shop floor.



The image demonstrates the following steps:
The first step in the process is to create a pick list by choosing the *Release to Pick List* button. This process is similar to the one covered in the **Pick and Pack Sales Process** course. The warehouse employee uses the pick list to pick the items for production. In order to consume the components for production an *Issue for Production* document should be generated.
In step 2, once the pick list is generated, George enters the *Released* drawer and chooses all *Production Order* rows he wishes to send to production.
Then, in step 3, he chooses the *Create* button and then enters the *Issue for Production* option.

Creating a Receipt from Production in the Pick Pack and Production Manager



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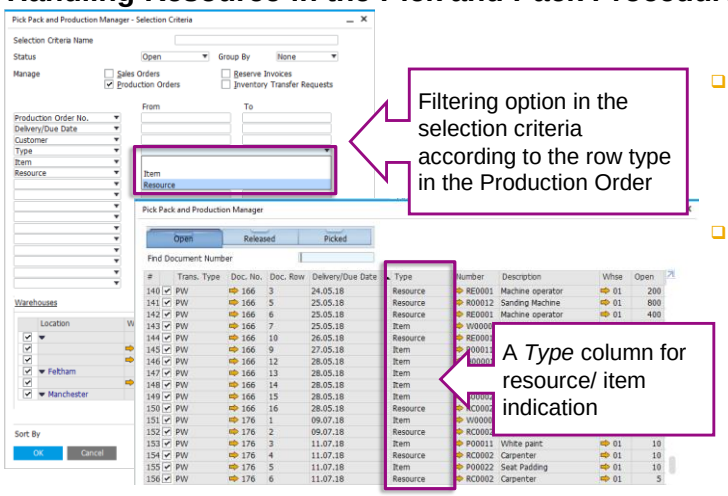
After production is finished the produced items should be entered in the warehouse. This is done in the *Receipt from Production* document. This document, much like the *Issue for Production*, can be generated from the *Pick Pack and Production Manager*.
George opens the *Picked* drawer to find the same production rows that were already picked and issued for production. He selects the rows, chooses *Create* and then chooses the option that adds a *Receipt from Production*.

Handling Resource in the Pick and Pack Procedure



- Resource rows can be copied along with the item rows to production documents from the *Pick Pack and Production Manager Create* button.
- This enable copying the entire *Production Order* to its destination documents.

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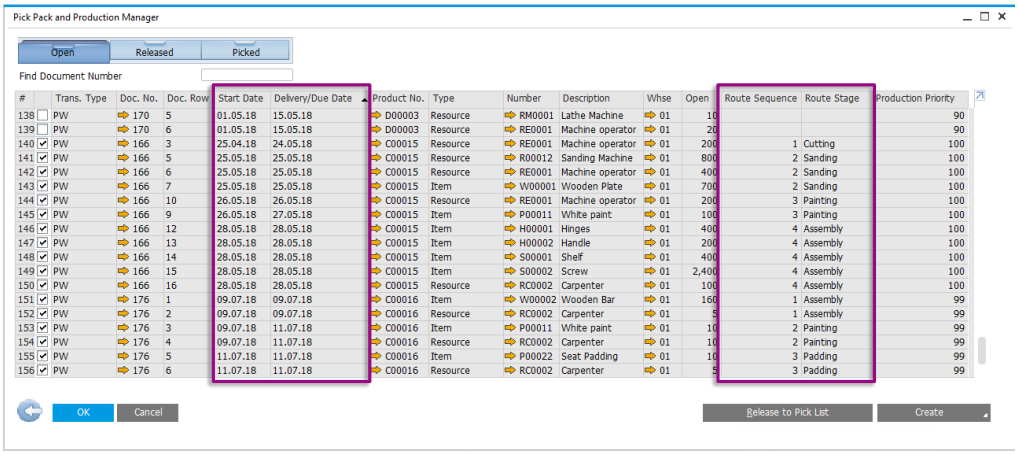
Much like item rows, resource rows can be processed in the *Pick Pack and Production Manager*.
When needed, George can filter the type of the production order rows, resource or item, in the selection criteria window.
In the *Pick Pack and Production Manager,* he uses row type indication to distinguish between items and resources.

Even though resources are not actually being picked, including them in the *Pick Pack and Production Manager* enables processing the entire production order rows. This way the Pick *Pack and Production Manager* can truly be a workbench from which the entire production process can be done.
This procedure is very similar to the non-inventory items procedure we saw in the ***Pick and Pack Sales Process*** course.

Picking Goods in a Production Process with Routing Scenario



#	Trans. Type	Doc. No.	Doc. Row	Start Date	Delivery/Due Date	Product No.	Type	Number	Description	Whse	Open	Route Sequence	Route Stage	Production Priority
138	PW	170	5	01.05.18	15.05.18	D00003	Resource	RM0001	Lathe Machine	01	10			90
139	PW	170	6	01.05.18	15.05.18	D00003	Resource	RE0001	Machine operator	01	20			90
140	PW	166	3	25.04.18	24.05.18	C00015	Resource	RE0001	Machine operator	01	200	1	Cutting	100
141	PW	166	5	25.05.18	25.05.18	C00015	Resource	R00012	Sanding Machine	01	800	2	Sanding	100
142	PW	166	6	25.05.18	25.05.18	C00015	Resource	RE0001	Machine operator	01	400	2	Sanding	100
143	PW	166	7	25.05.18	25.05.18	C00015	Item	W00001	Wooden Plate	01	700	2	Sanding	100
144	PW	166	10	26.05.18	26.05.18	C00015	Resource	RE0001	Machine operator	01	200	3	Painting	100
145	PW	166	9	26.05.18	27.05.18	C00015	Item	P00011	White paint	01	100	3	Painting	100
146	PW	166	12	28.05.18	28.05.18	C00015	Item	H00001	Hinges	01	400	4	Assembly	100
147	PW	166	13	28.05.18	28.05.18	C00015	Item	H00002	Handle	01	200	4	Assembly	100
148	PW	166	14	28.05.18	28.05.18	C00015	Item	S00001	Shelf	01	400	4	Assembly	100
149	PW	166	15	28.05.18	28.05.18	C00015	Item	S00002	Screw	01	2,400	4	Assembly	100
150	PW	166	16	28.05.18	28.05.18	C00015	Resource	RC0002	Carpenter	01	100	4	Assembly	100
151	PW	176	1	09.07.18	09.07.18	C00016	Item	W00002	Wooden Bar	01	160	1	Assembly	99
152	PW	176	2	09.07.18	09.07.18	C00016	Resource	RC0002	Carpenter	01	5	1	Assembly	99
153	PW	176	3	09.07.18	11.07.18	C00016	Item	P00011	White paint	01	10	2	Painting	99
154	PW	176	4	09.07.18	11.07.18	C00016	Resource	RC0002	Carpenter	01	10	2	Painting	99
155	PW	176	5	11.07.18	11.07.18	C00016	Item	P00022	Seat Padding	01	10	3	Padding	99
156	PW	176	6	11.07.18	11.07.18	C00016	Resource	RC0002	Carpenter	01	5	3	Padding	99

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In version 9.3 of SAP Business One, a new production process with routing was introduced. The Pick and Pack module was also accommodated to support this process.
In production orders with routing, the production process in the order is divided by stages called route sequences. These route sequences are organized in a certain order where each one has its own start date and end date. The *Pick Pack and Production Manager* displays routing related fields in order to provide all information needed for creating production related documents like pick lists, *Issue for Production and Receipt from Production*.
Look at the image, the highlighted columns are fields that display routing related information. The *Start Date* and *Delivery/Due Date* columns represent the start date and end date of a stage.
The Route Sequence and Route Stage columns also display information about production orders with routing.
All this information enables the user to sort or even filter (in the selection criteria) production order rows according to the process needs. For example filtering rows by their due date (end date) to meet deadlines when issuing them for production.

Note that in version 9.3, two more columns were added to the grid that provide information for all types of production orders:

- *Product No.* - the produced item code and
- *Production Priority* - allows sorting production order rows by the production order priority.

Summary

Key points from this topic:

- The process of picking items via the *Pick Pack and Production Manager* for production is similar to the one in the sales process.
- The *Pick Pack and Production Manager* can be used as a workbench for managing a production process including creating an *Issue for Production* and *Receipt from Production* documents.
- Resource production order rows are also available to choose in the *Pick Pack and production Manger* in order to create destination documents for both item and resource rows.
- The *Pick Pack and Production Manager* also supports processing production orders with routing. Information like start and end dates and route stage and sequence, enable the processing of production orders with routing scenarios.

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Here are some key points to take away from this session:

- The process of picking items via the *Pick Pack and Production Manager* for production is similar to the one in the sales process.
- The *Pick Pack and Production Manager* can be used as a workbench for managing a production process including creating an *Issue for Production* and *Receipt from Production* documents.
- Resource production order rows are also available to choose in the *Pick Pack and production Manger* in order to create destination documents for both item and resource rows.
- The *Pick Pack and Production Manager* also supports processing production orders with routing. Information like start and end dates and route stage and sequence enable sorting and filtering by this information.

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