

Production Queue

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Form Introduction

Introduction

Introduction

This Form is used to start and stop the Individual operations of the manufacturing order. This is an alternate form to creating Activity Control Report.

Business Example

In a pump Industry once the manufacturing order is released and material for production is received from stores. The shop floor operator will start & stop production operations. For tracking what is the time it takes to complete (Duration real) the operation,

Execution

Form Execution

Home (39) **Production Queue** ⌵ 🏠

Manufacturing Order ⌵
 Product 🔄
 Project ⌵
 Work Center ⌵
 ResourceGroup ⌵
 Show Only Ready activities Display

<input type="checkbox"/>	Order	Order Priority	Work Center	Operation	Sequence	Is Subcontracting	QC Status	Pause/Resume Status	Sched Start	Actual Start	Duration	Sche
<input type="checkbox"/>	80045	Urgent	Subcontract	Assembly	10	N	<input checked="" type="checkbox"/>		2020-11-19 11:53:39	2021-07-26 10:48:58.764	10.00	20
<input type="checkbox"/>	80606	Urgent	Bending (HPP) Machine	Bending	10	Y	<input type="checkbox"/>			2023-06-23 15:25:48.011	0.00	
<input type="checkbox"/>	80606	Urgent	Cutting Machine	Cutting	20	N	<input type="checkbox"/>			2024-07-09 16:38:34.799	0.00	☰
<input type="checkbox"/>	80607	Urgent	Thread Milling	Welding	10	Y	<input type="checkbox"/>		2023-06-30 17:59:59	2023-06-26 10:59:35.871	10.00	🔍
<input type="checkbox"/>	80607	Urgent	Paint gun	painting	20	N	<input type="checkbox"/>		2023-06-30 21:19:59	2023-06-26 15:05:07.933	2.00	20
<input type="checkbox"/>	80607	Urgent	Subcontract	packing	30	N	<input type="checkbox"/>		2023-06-30 18:49:59	2024-09-30 13:10:22.897	15.00	20
<input type="checkbox"/>	80607	Urgent	Subcontract	assy	40	N	<input type="checkbox"/>		2023-06-30 21:29:59.999		15.00	20

Duration	Sched Finish	Actual Finish	Unit	Ready	Prior Activities	Total Qty	Open Qty	In Progress Qty	Status
10.00	2020-11-26 10:38:39.007		Minute	Y	0	1,000.00	400.00	600.00	In Progress
0.00			Minute	Y	0	20.00	0.00	20.00	In Progress
0.00			Minute	Y	0	20.00	10.00	0.00	In Progress
10.00	2023-06-30 18:49:59		Minute	Y	0	10.00	5.00	0.00	In Progress
2.00	2023-06-30 21:29:59		Minute	Y	0	10.00	5.00	0.00	In Progress
15.00	2023-06-30 21:19:59		Minute	Y	0	10.00	10.00	0.00	In

start
✕

Order No :	<input type="text" value="80607_Manufacturing Discrete Ple"/>	Resource	<input type="text" value="Thread Milling"/>
Product:	<input type="text" value="240-3408_Support Assembly"/>		
Operation:	<input type="text" value="Welding"/>		
Movement Qty:	<input type="text" value="0.0"/>		
Setup Time(Minutes):	<input type="text" value="0.0"/>	Moving Time(Minutes):	<input type="text" value="0.0"/>
Idle time(Minutes):	<input type="text" value="0.0"/>		
Schedule Start Date:	<input type="text" value="30/06/2023"/> <input type="text" value="5:59:59 PM"/>	Actual Start Date:	<input type="text" value="09/07/2024"/> <input type="text" value="11:48:22 AM"/>
User *	<input type="text"/>		
Shift	<input type="text"/>		

Selection fields:

- 1) Manufacturing Order- Manufacturing order document number which are ready to process will be displayed. User can select the order document number and process the operations.

- 2) Work Center- This field will display the resources (Work center's) from Resource Master window, User can select a work center so that the operation which are mapped to the specific resource will be displayed.

- 3) Resource Group- This field will display the resource group from Resource group Master window, User can select a resource group so that the operation which are mapped to the resources from resource group selected will be displayed.

- 4) Start Operation- It is used to start particular operation which is selected.

- 5) Stop Operation- It is used to stop operation once operation gets completed

- 6) Show PR- It will show purchase requisition created for subcontract Issue.

- 7) Change Tools- It is used to change the Asset tool & remove asset tool.

8) Pause/Resume- It is used to stop and again start the operation.

9) QC Status- It is shows product have QC or not.

Output fields (Record single/double):

Using above criteria for selecting system will display the below details for example

1) Manufacturing Order Document Number

2) Operation Name

3) Resource Name

4) Is the operation is subcontracting

5) Total Quantity

6) Open Qty

Action (Forms)

Ok

- 1) System will start or stop the selected operation.
- 2) While starting the operation system will create a Activity control document with the required field updated and keep the document in In progress status.
- 3) While stopping the operation system will update the movement quantity in the Activity control Report and Complete document.
- 4) After The stop operation is completed the operation will be taken out from the Production Que.

Close

Display

System will display the records for as per the selection criteria.

- a) If manufacturing order is selected system will verify the manufacturing order document number and operation which are not completed will be displayed.
- b) If work center is selected system will verify the all the manufacturing order which are ready to process with the resource selected and display the records.
- c) If Resource group is selected system will verify the all the manufacturing order which are ready to process with the resource group and display the records.

Zoom/details

Delete

Add

Refresh

Refresh or Re-query - If no selection is provided using this button system will display the records of operation which are ready to process.

Reset

System will reset the selection criteria's. Back to Empty.

<Custom Buttons>

- 1) Start Operation- While clicking this button system allows you to select operator name and Quantity that need to be produced.
- 2) Stop Operation - Allowing the System to Enter the End Quantity that need to be processed.
- 3) Change Resource- System allows to change the resource which is allocated for the operation.

4) Show PR- If the operation is subcontract once the operation is started, System will generate a requisition document. By selecting the operation and clicking this button system will Zoom into the Requisition created for that operation.

5) Download- This button download the datas from the production Que screen as per selection criteria to an Excel Sheet.