

ARC ID: 6465 – Issue Material from Supply and Demand

Robert Cole, August 2021

For: Whittle Flooring Company LTD

Contact(s): James Holt james.holt@whittlegroup.co.uk

This project is a modification of the existing ARC 5168 which allowed user to issue material from the Supply and Demand screen, but only had ability to do non lot/bin records or FIFO. This new version is for issuing material from Supply and Demand by Lot/Bin and can be fired from both the original and the new screens.

Part Supply and Demand

Part Number: FLAKESCLR Rev: Loc: PL: RM: Part Description: FLAKE_PLASTIC RECYCLED_CLR UM: LB Sort Code: GSS101 PO UM: LB Created: 05/14/21

☐ Inactive

List Price: Cost: .100000 Alternate Cost: .5000 Bin: ABC Lead Time (Days): 5 Safety Stock: Order Qty: 100.0000 Reorder Point: 1000.0000

Inventory Status

On Hand: 1026.0000	On Order PO: 100.0000	On Order WO: 0.0000	Requirements: 32.5000	Net: 1093.5000
Consigned: 0.0000	Allocated: 0.0000	In Transit: 0.0000	In Inspection: 0.0000	In Quality: 0.0000

Supply

PO/WO/TR#	Type	Order Qty	Qty Open	Due Date	Cust
000021002	PO	100.0000	100.0000	05/31/2021	

Demand

WO / SO	Type	Order Qty	Qty Open	Line Due Date	SO S
000022 001	Job	0.5000	0.5000	08/27/2021	
000025 001	Job	0.5000	0.5000	09/28/2021	

Right Click on Grid to Show More Columns

Log Status MRP Lot/Bin BOM BOM W Used Rtr W Used Router Sort Code Notes

PQ Hist Sales Hist Alt Prices < BOM < BOM W Used < Rtr W Used Inv Hist < Sort Code WO Hist

Refresh (F5) Qty Break Xref Vend Quotes Usage Quotes Part Master Item History Export

Alloc/Cnsgn Ship Status Blanket POs

Issue Material Script 2 Script 3

INV50001-RS500 GAB IS ACTIVE Initializing INV50001-090920.1

Supply And Demand (PLA)

Global Shop SOLUTIONS

Part: FLAKESCLR Revision: Location Code:

Part: Active

Description: FLAKE_PLASTIC RECYCLED_CLR Source: Purchase Product Line:

Extra Description

List Price	Cost	0.1	Alternate Cost	0.5	Unit of Measure
Purchase Order Unit of Measure	LB	Purchasing Conversion	Issue Unit	Consumption Conversion	
Lead Time (Days)	5	Safety Stock	Order Quantity	100.000	Reorder Point
Bin	ABC		Created	5/14/20	Sort Code

Inventory Status 1,093.500000 (Net)

On Hand	1,026.000000	Requirements	32.500000
On Order PO	100.000000	Allocated	0.000000
On Order WO	0.000000	In Inspection	0.000000
In Transit	0.000000	In Quality	0.000000
		Consigned	0.000000

Inventory Usage

MRP View Forecast Data

Supply

Reference	Type	Order Qty	Open Qty	Due Date	Customer
000021...	PO	100.000	100.000	5/31/2021	

Demand

Reference	Type	Order Qty	Open Qty	Staged	Due Date
000022...	Job Req	0.500000	0.500000	0.000000	8/27/2021
000025...	Job Req	0.500000	0.500000	0.000000	9/28/2021

Once a part has been populated in Supply and Demand the user can click the “Issue Material” button to bring up the screen for the program.

G Issue Material (PLA)

	Select Jobs	Job	Suffix	Sequence	Estimated Q...	Job-Suffix	Actual Qua...	Percentage	Difference	Amount to I...	Closed
	<input checked="" type="checkbox"/>	000022	001	000100	0.5000	000022-001	.5000	50.00%	.0000	.5000	<input checked="" type="checkbox"/>
→	<input checked="" type="checkbox"/>	000025	001	000100	0.5000	000025-001	.5000	50.00%	.0000	.5000	<input checked="" type="checkbox"/>

Issue Material by Lot/Bin

Replace Material

Total Estimated

1

Total Actual

1

Unit of Measure

LB

On this screen the user can select which jobs to issue the material to and how much material is to be issued to those jobs. The user can over issue or under issue and the program will update the values to be issued to the jobs by a ratio.

The user can then click the “Issue Material by Lot/Bin” button to select which bins to issue the material from.

G Material Lot/Bin(s) for Part: FLAKESCLR (PLA)

	Sel	Loc	Lot	Bin	Heat	Serial	Unit Cost	Qty Avail	Qty Issue
	<input checked="" type="checkbox"/>			3-A-1			0.10	407.5000	0.5000
✏	<input checked="" type="checkbox"/>			3-B-1			0.10	298.5000	0.5000
	<input type="checkbox"/>			3-B-2			0.10	320.0000	0.0000

Qty to Match:

1.0000

Qty Remaining:

0

Issue to Job

The material can be issued from multiple Lot/Bins and the values will update automatically when the checkbox next to the bin is clicked. If more is being issued than what is in the bin, the value will be set to what is available for that bin and start a running total to issue to the other bins. A user can then click the “Issue to Job” button to process the transaction once all material is accounted for. The screen will not allow the user to process the transaction if the sum of material does not equal the amount to be issued.

If a user notices that jobs need to use a different material than what is scheduled on the job currently, they can click the “Replace Material” button to bring up a screen that will allow them to select another material to schedule on the job.

Replace Material (PLA)

	Sel	Job	Seq	Qty Est.	Qty Act.
→	<input checked="" type="checkbox"/>	000022-001	000100	0.50	0.00
	<input checked="" type="checkbox"/>	000025-001	000100	0.50	0.00

Old Part:

FLAKESCLR

FLAKE_PLASTIC RECYCLED_CLR

New Part:

PELLETSCLR

PELLET_PLASTIC BPA FREE_CLR

LB

Schedule Direction:

B

Replace Material

When a new material is selected the user can then select which direction to schedule the job and click the “Replace Material” button. This will then go through and remove the previous material from the job and replace it with the new material and reschedule. This will NOT allow a user to replace a material on a sequence if it has had values already posted against it.