6.4.0

16/04/2024 11:42 am BST

Quality Module

MESTEC 6.4 sees the introduction of the new quality module. Using this module, users can go paperless by creating checklists to capture all types of quality data including:

- Product variable measurements such as height and weight
- Attribute data such as count of defects
- Text data such as comments and serial numbers

Prompt	Criteria	Value	Comments	Approved	Approved By	Record...	Doc	Info
Height Product height is within acceptable parameters.	USL = 47cm LSL = 44cm	45.00000000			Not required	chris		
Weight Acceptance The product is within acceptable weight parameters:	6.8kg-7kg	Pass			Not required	chris		
Weight Enter product weight:	USL = 7kg LSL = 6.8kg	6.90000000			Not required	chris		
Clean Visual Inspection: Product is free of all debris, threads, stuffing,etc.	Visual 360 degree inspection		heavy debris cleared			chris		
Defects Identify product defects:		Loose Stitch	Back side, left leg			chris		
Stress Test Result Record stress test result	USL = 12kg/cm2 LSL = 9kg/cm2	8.00000000			Not required	chris		
Metal Detection Metal detection result:	Product is free of antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium.					chris		
Label The product has been properly labeled in accordance with ASTM F963:	Validate correct labeling.				Not required	chris		

For each type of data it is possible to define individual specifications or acceptance criteria by product.

Name	Default Prompt	Input Control	Decimal Places	Unit	Critical	Active
Height	Product height is within acceptable parameters.	Numeric	2	cm	Yes	Yes

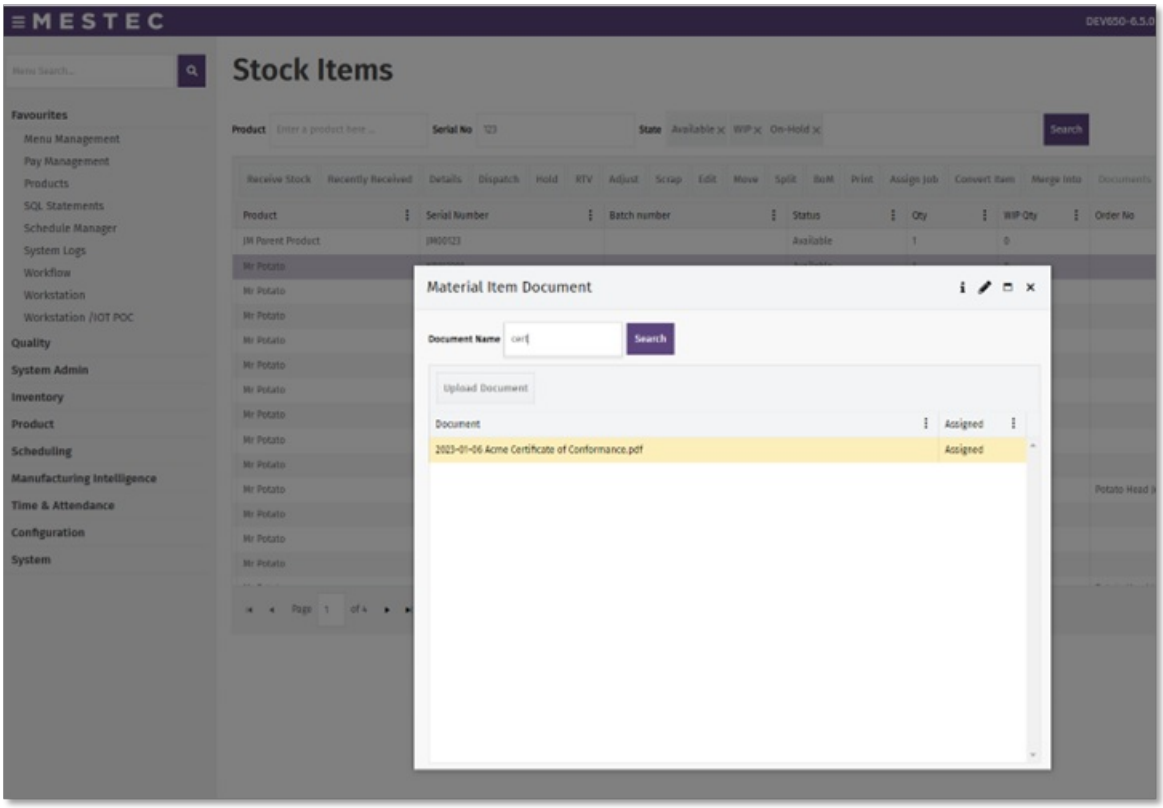
Product	Critical	Target	Upper Spec Limit	Lower Spec Limit
Default Spec	Yes	45	47	44
CS-TeddyBearFG	Yes	45	47	44
Teddy Bear - Medium	Yes	50	55	48
Teddy Bear - Small	Yes	20	22.5	19
Teddy Bear -Large	Yes	70	75	68
Teddy Bear XL	Yes	90	94	88

Checklists can then be referenced in product workflows allowing you to share one checklist definition across multiple products. During manufacture, operators are prompted to complete the appropriate checks using a shop-floor friendly user interface that supports touch screens and bar code scanners efficiently building up a detailed electronic batch history record (eDHR).

Check list items can be defined as requiring secondary approval and or electronic signatures This capability along with robust change control and approval enables customers to meet demanding regulatory requirements.

Item Documents

We have expanded the capabilities of saving documents into MESTEC to include the ability to link documents to individual material items or lots. For instance, users can now save product photos or add a certificate of conformance.

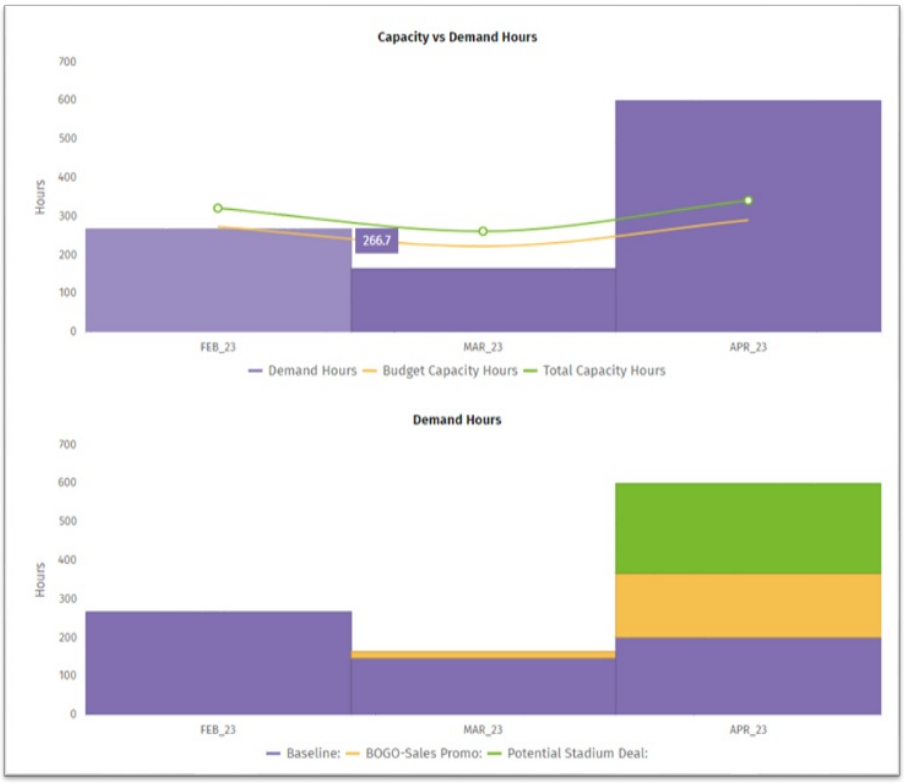


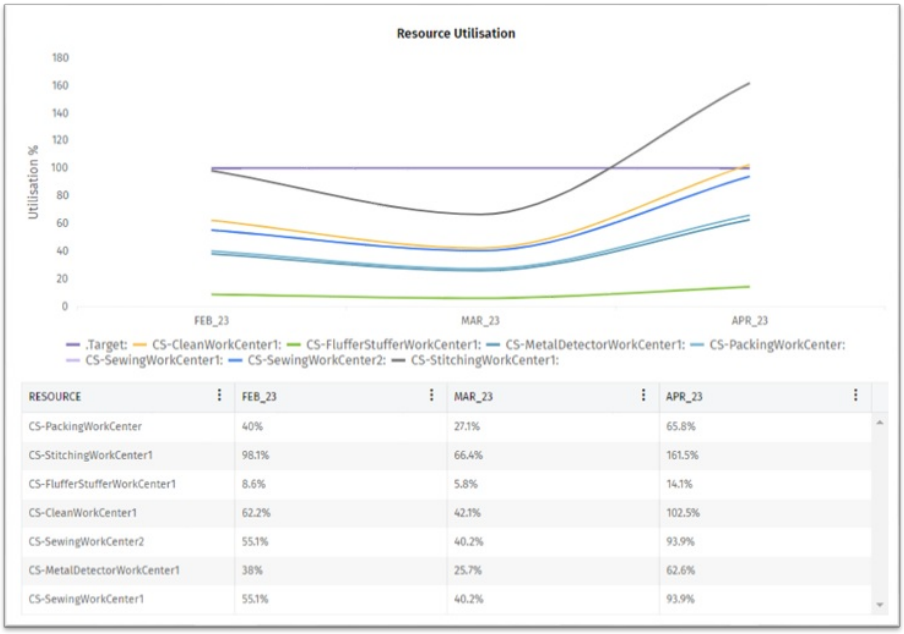
New SAP Integrator

MESTEC is continuing to grow its collection of Integrators/Connectors. 6.4 sees the introduction of the MESTEC SAP Integrator, which provides a pre-developed set of interfaces for MESTEC interface developers to use to work with external SAP systems.

RCCP Capacity Charts – Budget vs Total Capacity

The rough-cut capacity planning charts give a comparison of the planned demand on resources and the planned capacity. 6.4 now allows for resources to be configured with budget efficiency, enabling RCCP charts to show both planned total capacity assuming 100% efficiency and budget capacity -- based on the configured budget efficiencies for each workcentre.

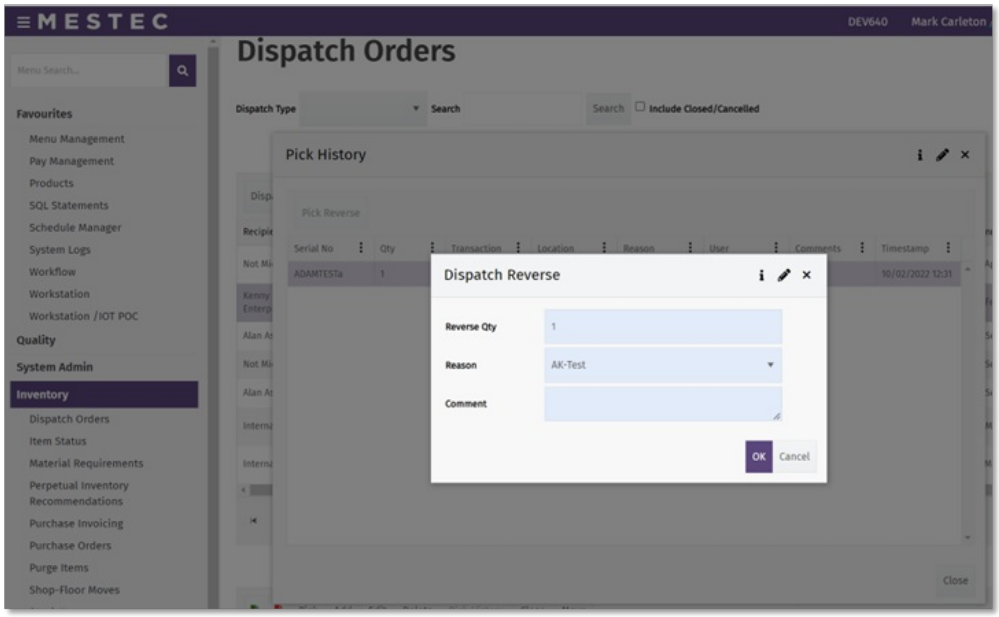




RESOURCE	FEB_23	MAR_23	APR_23
CS-PackingWorkCenter	40%	27.1%	65.8%
CS-StitchingWorkCenter1	98.1%	66.4%	161.5%
CS-FlufferStufferWorkCenter1	8.6%	5.8%	14.1%
CS-CleanWorkCenter1	62.2%	42.1%	102.5%
CS-SewingWorkCenter2	55.1%	40.2%	93.9%
CS-MetalDetectorWorkCenter1	38%	25.7%	62.6%
CS-SewingWorkCenter1	55.1%	40.2%	93.9%

Partial Dispatch Reverse/Re-Receive

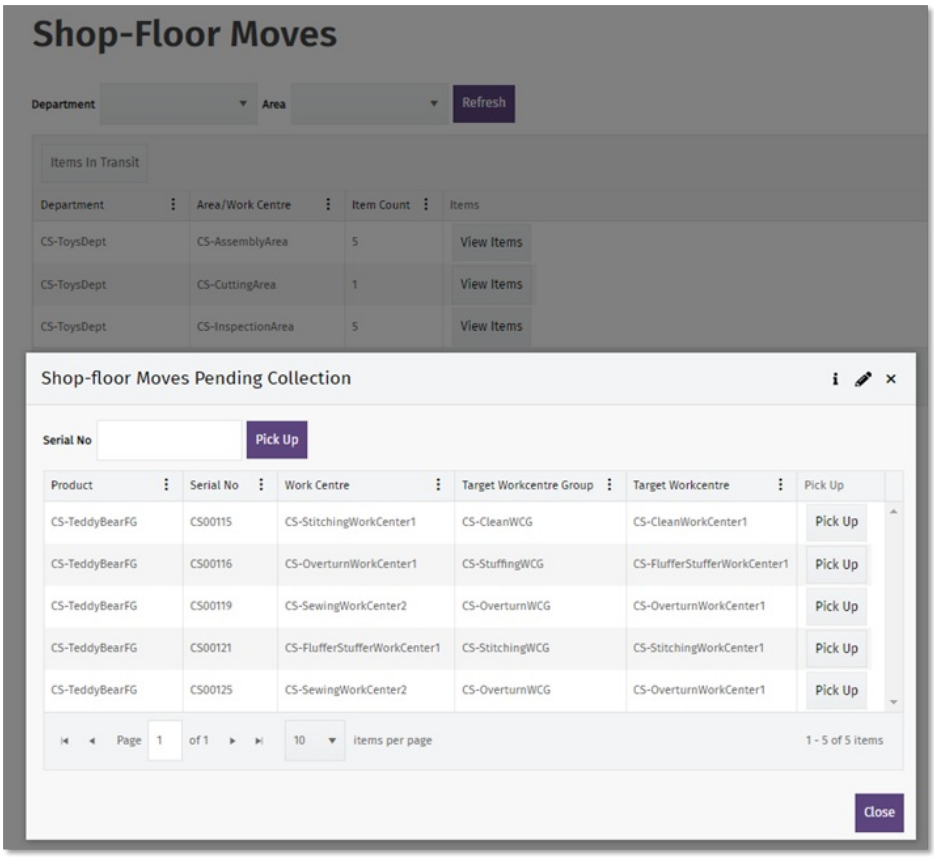
MESTEC 6.4 now allows users to perform a dispatch reverse. This feature supports both full and partial reversal of a pick operation.



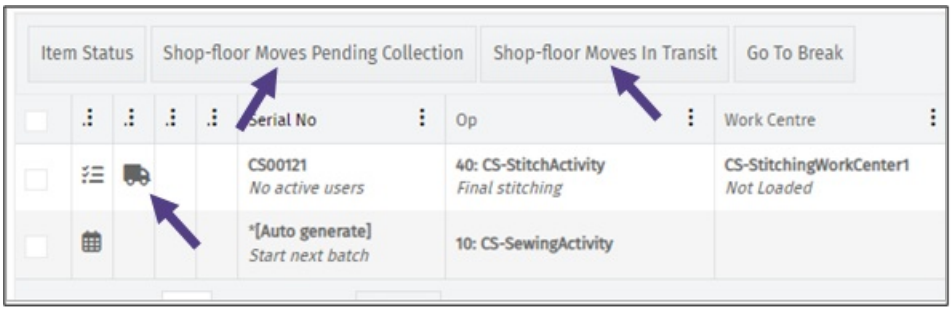
New Shop-Floor Moves UI

Our new Shop-Floor Moves user interface allows users to explicitly plan, execute, and record the movement of WIP inventory. Shop Floor Moves can be easily configured between workstations following the completion of one operation and prior to the start of the next. The 6.4.0 enhancements now show Shop Floor Movers all WIP inventory pending collection or in transit by department and area.

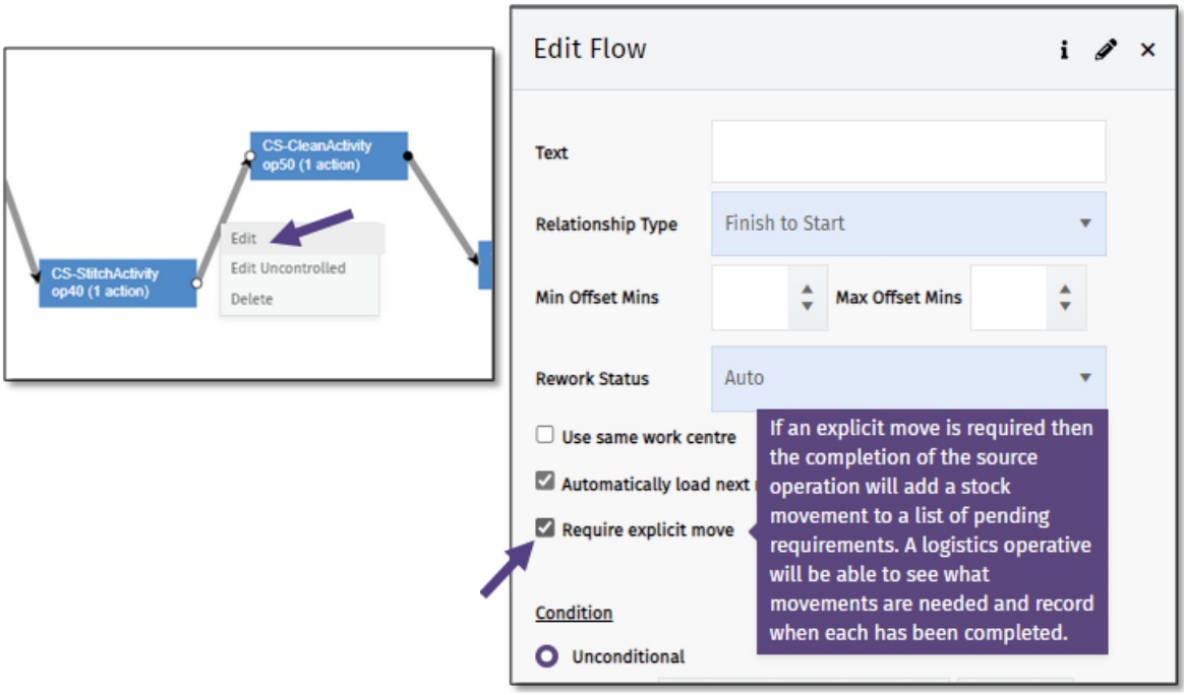
The Shop-Floor Moves feature is listed in the Inventory menu group.



Users can also track Shop-Floor Moves Pending Collection and Shop-Floor Moves In Transit from their Workstation screen. Work orders pending a Shop-Floor move are tagged with a truck icon.

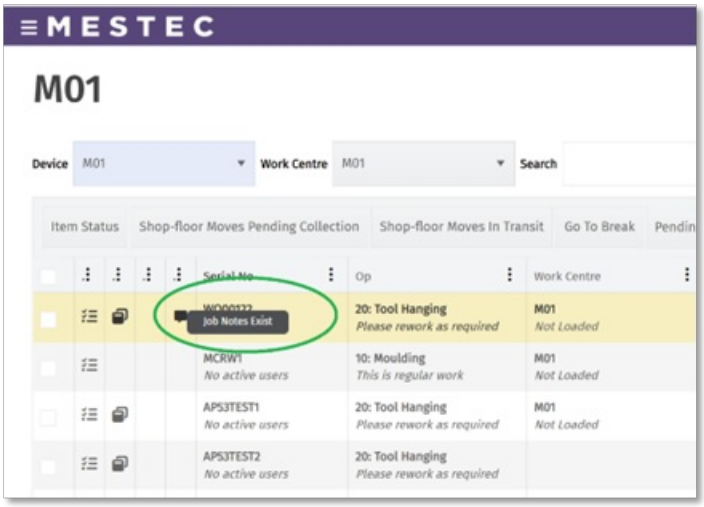


Setup is as easy as 1 click. In the workflow design tool, edit the flow between 2 operations. Then check the box to 'Require explicit move.' We've even added a tool tip!



Workstation Job Notes Indicators

The MESTEC Workstation has been enhanced with visual indicators to show which work items have job notes available and allows for them to be accessed directly via the Workstation home screen.

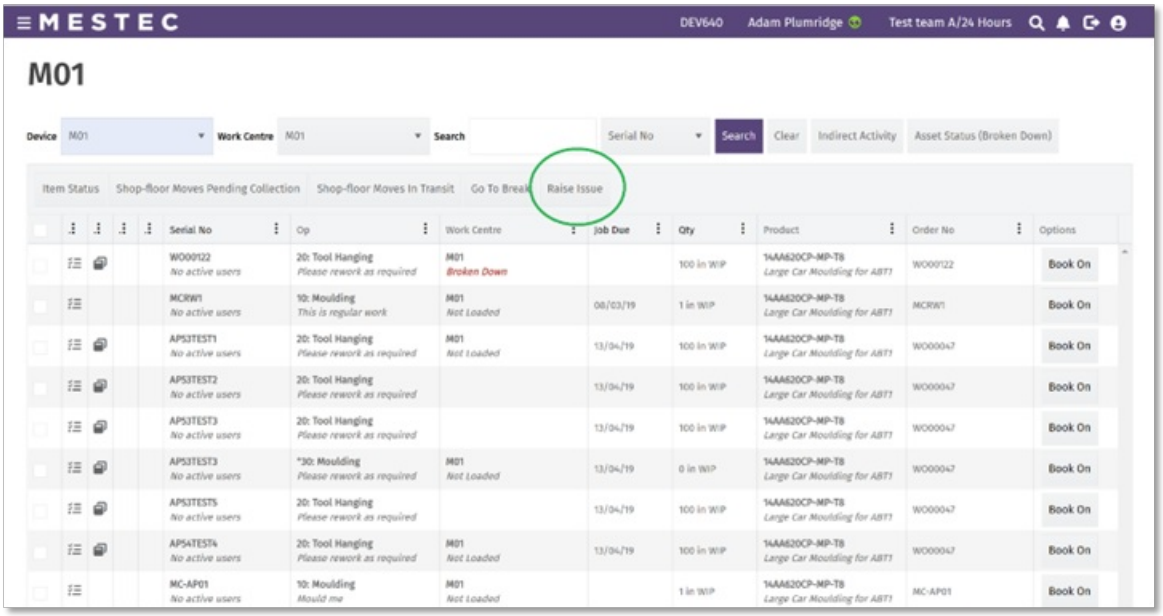


RestAPI Data Source Support

MESTEC can now pull data from external sources via RESTful APIs. This new capability allows for data from external systems to be pulled directly into MESTEC and influence on-screen controls such as graphs and charts to provide a truly integrated experience.

Raise Issue from Workstation

Users can now raise issues directly from the workstation.


MESTEC
DEV640
Adam Plumridge
Test team A/24 Hours
M01
Device
M01
Work Centre
M01
Search
Serial No
Search
Clear
Indirect Activity
Asset Status (Broken Down)
Item Status
Shop-floor Moves Pending Collection
Shop-floor Moves In Transit
Go To Break
Raise Issue
Serial No
Op
Work Centre
Job Due
Qty
Product
Order No
Options
WO00122
No active users
20: Tool Hanging
Please rework as required
M01
Broken Down
100 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
WO00122
Book On
MCRW1
No active users
10: Moulding
This is regular work
M01
Not Loaded
08/03/19
1 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
MCRW1
Book On
AP53TEST1
No active users
20: Tool Hanging
Please rework as required
M01
Not Loaded
13/04/19
100 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
WO00047
Book On
AP53TEST2
No active users
20: Tool Hanging
Please rework as required
13/04/19
100 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
WO00047
Book On
AP53TEST3
No active users
20: Tool Hanging
Please rework as required
13/04/19
100 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
WO00047
Book On
AP53TEST3
No active users
*30: Moulding
Please rework as required
M01
Not Loaded
13/04/19
0 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
WO00047
Book On
AP53TEST5
No active users
20: Tool Hanging
Please rework as required
13/04/19
100 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
WO00047
Book On
AP54TEST4
No active users
20: Tool Hanging
Please rework as required
M01
Not Loaded
13/04/19
100 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
WO00047
Book On
MC-AP01
No active users
10: Moulding
Mould me
M01
Not Loaded
1 in WIP
14AA620CP-MP-T8
Large Car Moulding for ABT1
MC-AP01
Book On