

9.2.0

11/12/2025 1:28 pm GMT

[Relates to version](#)

Tags: 9.2

Property Definitions

Property Definitions has been extended to include assets. The property, Tool/Work Centre was added to the list of properties. Properties allow you to store additional information that may be useful, e.g., to display in the workstation or use as an additional planning parameter.

Property Definitions

Select Table

Tool/Work Centre

New

| Property Name | Data Type |
|---------------|-----------|
| .Make | TEXT |
| .Scale | TEXT |
| .Weight | NUMERIC |

Work Centres

IS Work

Hide Inactive

Search

New

Edit

Delete

Copy

Manage Groups

Assigned Groups

Devices

Line Config

Locations

Where Used

Change Asset Type

Revision History

Maintenance Plan

| Name | Work Centre Group | Area | Description |
|------------------------|-----------------------------|----------------------------|-------------|
| IS Work Centre (CN-01) | IS Work Centre Group (Cntr) | IS Department - IS Area-01 | |
| IS Work Centre(CN-02) | IS Work Centre Group (Cntr) | IS Department - IS Area-02 | |

14

4

Page 1

of 1

15

Items per page

Work Centre Properties

Please enter any text...

Search

Edit Value

| Property Name | Property Value |
|-------------------|----------------|
| IS Asset Property | 10 |
| New Property | |
| Test T/W Property | 30 |

Close

Tool Manager

Manage By

Tool

Tool Type

Tool

Search

New

Edit

Delete

Change Status

Properties

View Tool Groups

Where Used

Revision History

Trash Can

Maintenance Plan

| Serial No. |
|---------------|
| DW-Tool1 |
| SR002_Tool_02 |
| SR 111 |
| SR_Tool_01 |
| SR001_Tool_01 |
| SR_Tool_03 |
| SR_Tool_02 |
| IS Tool-01 |
| IS Asset Tool |

Tool Properties

Please enter any text...

Search

Edit Value

| Property Name | Property Value |
|-------------------|----------------|
| IS Asset Property | |
| New Property | |
| Test T/W Property | 25 |

Close

Electronic Control History Record

| Rev No | Deleted | eSign Profile ID | Name | Last Edit Dt | Last Edit User |
|--------|---------|------------------|-------------------|------------------|----------------|
| 1 | | 168 | ! DW-LIVEgen | 08/09/2025 22:06 | Dharmesh |
| 2 | | 168 | ! DW-LIVE_gen | 08/09/2025 22:09 | Dharmesh |
| 3 | | 168 | ! DW-LIVE_genData | 08/09/2025 22:10 | Dharmesh |

| Seq. | Rev No | Deleted | eSign Requir... | eSign Pro... | eSign Me... | Permission | e... | Notification ... | Last Edit Dt | Last Edit User |
|------|--------|---------|-----------------|--------------|---|---------------------------|------|---|-----------------------------|----------------|
| 1 | 1 | | 108 | 168 | LIVE mode - Generate eCHR data by (Directly Update EDHR Line) | Directly Update eCHR Line | Live | Success - Generate eCHR data by (Directly Update EDHR Line) using LIVE esign mode | 2025-09-08T21:19:21.148463Z | Dharmesh |

ECHR Profile - Where Used Button

The Where Used button was added to eCHR Profiles versions to easily see where they've been linked to workflows or used on items. The report displays the workflow versions, jobs, and items they've been linked to. From this screen you have easy access to Workflow Manager, Item Status, and eCHR Content screens.

| Product: <input type="text"/> Refresh | | | | | | |
|---|--------------|------------------------|----------------------------------|------------------|------------------------|--|
| Workflow Versions | | | | | | |
| Workflow | Description | Product | PROFILECODE | | | |
| Production - Medical Device Moulded (1.0) | | Medical Device Moulded | (XJ) Use latest approved version | | | |
| Production - Medical Device Moulded (1.1) | | Medical Device Moulded | (XJ) Use latest approved version | | | |
| Production - Medical Device Moulded (1.4) | | Medical Device Moulded | (XJ) Use latest approved version | | | |
| Production - Medical Device Moulded (1.3) | | Medical Device Moulded | (XJ) Use latest approved version | | | |
| Production - Medical Device Moulded (1.2) | | Medical Device Moulded | (XJ) Use latest approved version | | | |
| 1-5 of 5 items | | | | | | |
| Jobs | | | | | | |
| Order No | Status | Total Qty | Qty Completed | Test Mode | Product | |
| ms001 | Started | 1 | 0 | Production | Medical Device Moulded | |
| 1-1 of 1 items | | | | | | |
| Items | | | | | | |
| Item Status | eCHR Content | | | | | |
| Visual serial # | Actual Qty | State | Product | eCHR Status | | |
| ms001 | 0 | WIP | Medical Device Moulded | Pending Approval | | |
| 1-1 of 1 items | | | | | | |

Maintenance Date Added to the Tool Use Default eCHR Profile

Most recent maintenance dates were added into the Tools Use Line Type section of the report.

ECHR Content

| Section: 3.Tools | | |
|------------------|-------------------|--|
| Sub Section: | | |
| 5 | TOOL USE ACTION | Tool SUID: SI Tool Type: SI TOOL TYPE Tool Serial No: ASI 01 Timestamp: 11/11/2025 14:26:34 No. Uses: 16 Last Maintenance / Calibration: SI MAINTAINCE: 08/11/2025 08:59:59 |
| Revision | 1 (Latest) | Who: Gopal Gaurav When: 11/11/2025 14:26:36 Reason: New |
| Content | Formatted Content | |
| Operation Number | Operation Name | Tool SUID |
| 10 | SI CUTTING | SI |

HTML Report

Tools

| Config Name | Line Type | Details | | | | Created |
|--|----------------|--------------------------------|--------------|-------------|---------------------|---------------------|
| TOOL USE ACTION | Tool Use | Tool SUID: SI | | | | 11/11/2025 08:56:34 |
| | | Tool Type: SI TOOL TYPE | | | | |
| | | Tool Serial No: ASI 01 | | | | |
| | | Timestamp: 11/11/2025 08:56:34 | | | | |
| | | No. Uses: 16 | | | | |
| Last Maintenance / Calibration: SI MAINTAINCE: 08/11/2025 08:59:59 | | | | | | |
| Operation Number | Operation Name | Tool SUID | Tool Type | Tool Serial | Timestamp | Recorded By |
| 10 | SI CUTTING | SI | SI TOOL TYPE | ASI 01 | 11/11/2025 08:56:34 | Gopal Gaurav |

Completed Qty in eCHR Header

In the past, when an eCHR header was created, we stored Actual Qty as 0 which never change d.

In 9.2, two quantities are displayed in the eCHR header. These are fixed at the point that the ECHR is set to Pending Approval:

-
- Quantity manufactured (with UOM) = Qty in WIP* + Qty Completed
- Quantity released for distribution (with UOM) = (Qty in WIP* + Qty Completed) – Available Qty scrapped

*Note: Qty in WIP allows for the scenario where eCHR sign off is embedded within the workflow, i.e., you may have more operations potentially purely logistics type work that are not required to be in the eCHR but are in the workflow.

The metrics above are required within the eCHR and must be accurate when approved. For this reason, any transactions that might change the qty manufactured or qty released are blocked while the eCHR is in a pending approval status.

| Serial No | Product | eCHR Number | Status | Created | Details | # Lines | # Lines To Sign |
|-----------|------------|-------------|------------------|---------------------|--|---------|-----------------|
| SIY_12 | SI PROD 01 | 1 | Pending Approval | 31/10/2025 13:02:14 | eCHR Profile: SI PROFILE 01 (1,2) Recipe Name: SI RECIPE 01 Workflow Name: SI WF 01 Version: 1,2 SUID: BOM Name: SI BOM Version: 1,0 SUID: Product: SI PROD 01 Job Test Mode: Production Order No: SI JOB 01 Visual Serial Nos: SIY_12 Quantity Manufactured: SIY_12 - 16 EACH Quantity Released For Distribution: SIY_12 - 13 EACH | 8 | 0 |

Issue Line Type Update

In past scenarios if you have multiple items on an eCHR that are all linked to the same issue, this issue would be recorded separately for every item within the eCHR record, e.g., you are making 5 items on a job and realise that one operation instruction is incorrect – you raise an issue linked to the operation node. Previously, this would have generated 5 largely identical issue records for the one issue – one record for each of the 5 items on the eCHR.

For improved readability there is now one record generated for the issue that references all of the linked items.

Further eCHR improvements

The following were also enhanced /added in the eCHR:

- eCHR Profile Sections and Configs can be re-ordered for improved control of the layout of reports.
- Several improvements were made to the HTML printable report (layout, header formatting, sign off information).

Serial Number Controls

Serial Number uniqueness. There are two different levels of control in the system around serial numbers that have been introduced and controls can be configured on a product-by-product basis using the product property `MUST_UNIQUE_SERIAL`.

- If FALSE – System enforces unique serial number at a product level only i.e. you cannot have the same serial number for two items of the same product but you can use the same serial number for two items that are different products.
- If TRUE – Enforces that a serial number must be unique in the system, regardless of the product.

Issues

It is not possible to create an Issue Type that has a QA Hold flag without defining one or more scopes. This makes it easy to identify what is put on hold.

Label Printing

In 9.2, the following enhancements were made to Label Printing:

- The label design can only be set to obsolete when all workflow references to it have been disabled (unless the references are disabled). An error is thrown if any active references still exist.
- When the print queue is loaded with many jobs, it will order the queue in the following sequence to prevent important jobs from being queued behind ones of less urgency. For example, production jobs waiting for test jobs to complete. The order of importance is:
 - Production – print jobs generated in the course of a works order.
 - Inventory – print jobs relating to labelling of inventory in the system.
 - Admin – print jobs generated by an administrator not relating to specific items.
 - Test – test print jobs (e.g. for set up of printers).

Material Item Status

It is common in some industries to have a tolerance around a BOM slot qty requirement e.g. for this batch of pastry you need to add a target of 50kg +/- 0.05 kg. In this scenario an operator adding 50.01kg is valid but before 9.2 this would just show as 100% fulfilled rather than 100.02% fulfilled on the item status BOM screen. Item status now shows the correct fulfilment even if it is greater than 100%.

Multi-language

Release report for translations changes

Changes to the translations library in a release will be reported on and included as part of the release documentation pack.

Create translations for en-US language

en_US language is supported as a system language with system translations.

Integrations

Integrations continue to be enhanced:

- Starting a New Task triggers an outbound integration, and the workflowtaskid details are captured in the integration log.
- Incoming API requests always create an integration log.

Public API

Our Public API was enhanced in 9.2:

Support Raw JSON in Public API

Raw JSON mode returned the expected SQL JSON output, preserved nested arrays, removed escape characters, and did not contain metadata wrapping.

Recipe/List enhancements

1. Request allowed to search by WorkflowType
2. Request allowed to search by IsDefault
3. Request allowed to search by DefaultProductVersion
4. Response returns WorkflowType
5. Response returns IsDefault
6. Response field renamed as DefaultProductVersion

ToolGroup APIs

You can List, Create, Update, Assign to, Remove from Tool Groups through the Public API.

| ToolGroup | | Show/Hide | List Operations | Expand Operations |
|-----------|-----------------------------|-----------|-----------------|----------------------------------|
| PUT | /api/ToolGroup/Upsert | | | Insert or Update ToolGroup |
| PUT | /api/ToolGroup/AssignTool | | | Assign Tool(s) to ToolGroup |
| PUT | /api/ToolGroup/UnassignTool | | | Remove Tool(s) from ToolGroup |
| POST | /api/ToolGroup/List | | | List ToolGroups by search filter |
| DELETE | /api/ToolGroup/Delete | | | Delete ToolGroup |

ToolType API

You can upsert, list and delete Tool Types through the Public API.

| ToolType | | Show/Hide | List Operations | Expand Operations |
|----------|----------------------|-----------|-----------------|---------------------------------|
| PUT | /api/ToolType/Upsert | | | Insert or Update ToolType |
| POST | /api/ToolType/List | | | List ToolTypes by search filter |

Tool/List - List by other fields

When using the Tool/List API call, you can list tools based on SUID, Location, Approval Status, and Serial No & ID.

Quality

Quality features were enhanced as follows:

Variable check item templates - UOM and Decimal places

- Decimal places and UOM used to be configured against a check item template but sometimes the same check item template could have differing UOM and decimal place requirements dependent on the product (e.g., measure height could be a standard check for a speaker product type but for a travel speaker this could be measured in cm to 2 dp but for an concert speaker this could be metres to 3 dp).
- Decimal places and UOM need to be specified against any product specification and the default specification (if used).
- If you populate the default specification option when creating a new check item template, this will automatically generate matching product specifications for all products of the product type linked to the template at the time of creation and at creation of any new products of the relevant type. For this reason, you must specify a UOM and DP if creating a default specification to be used as a basis for all subsequent corresponding product specifications.
- The function above is now more explicit for a user – there is now a clear warning on the UI against Default Specification stating that the: “creation of this check item template will automatically create a corresponding specification for all existing products of the types specified and will require the specified eSignature permission to complete (if populated above) the specifications for each product will match any default values entered below.”

Check Item Templates

Search By Name

New

Name

! DW-CITAtChkB-(eCHR)

! DW-CITAtChkB1

! DW-CITAtNum1

! DW-CITAtOptLst-(esign)

! DW-CITAtOptLst1

****AJ Test****

New

Option Lists

Name

! DW-CITxtFre-(eCHR)

! DW-CITxtFre1

! DW-CITxtoptLst1

***Test222 - item comment DF

***Test222 - Safety check text

15Sept2025_Template

New

Name

! DW-CITVarNum-(eCHR)

! DW-CITVarNum1

cc test 2

New Check Item Template

Name

Variable

Prompt

Input Control Type

Product Type

Critical

Active

Controlled

eSign Permission

Default Specification

Warning : creation of this check item template will automatically create a corresponding specification for all existing products of the types specified and will require the specified eSignature permission to complete (if populated above) the specifications for each product will match any default values entered below.

Decimal Places

Unit

Absolute Max

Upper Spec Limit

Target Value

Lower Spec Limit

Absolute Min

Save

Cancel

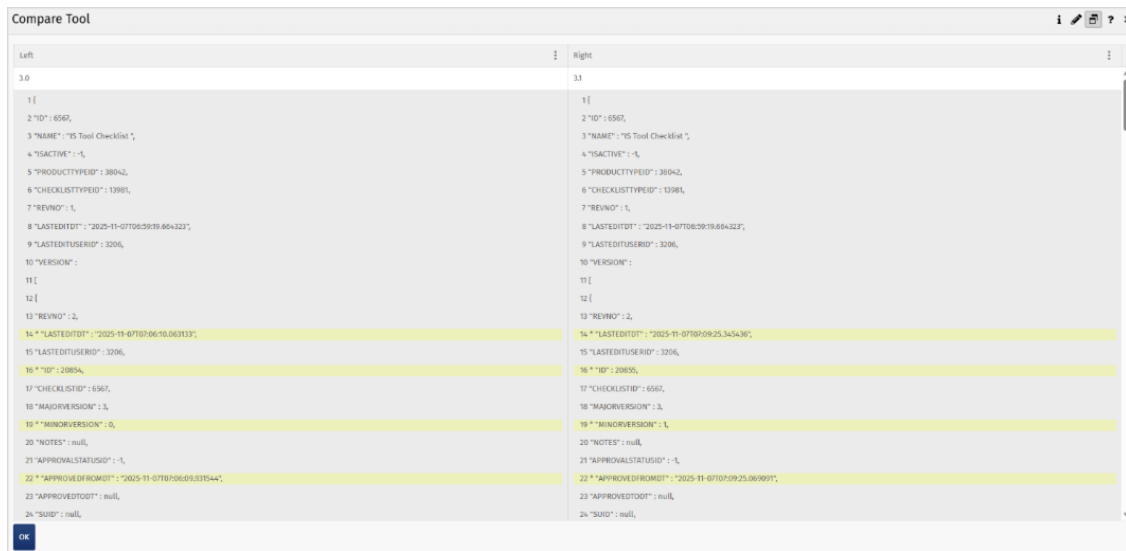
Assign documents to check result sets

- Uploaded documents can be assigned to check results set.
- You can view the uploaded documents during the full lifecycle of the item, including when the item is completed to "available" status and the works order is closed.

"Compare" functionality for checklist versions snapshot

Checklist version and history comparisons display the differences between approved, unapproved, and mixed versions, with JSON snapshots generated. You can select two different versions of checklists and click compare to see a JSON comparison of the contents of each to quickly identify differences.

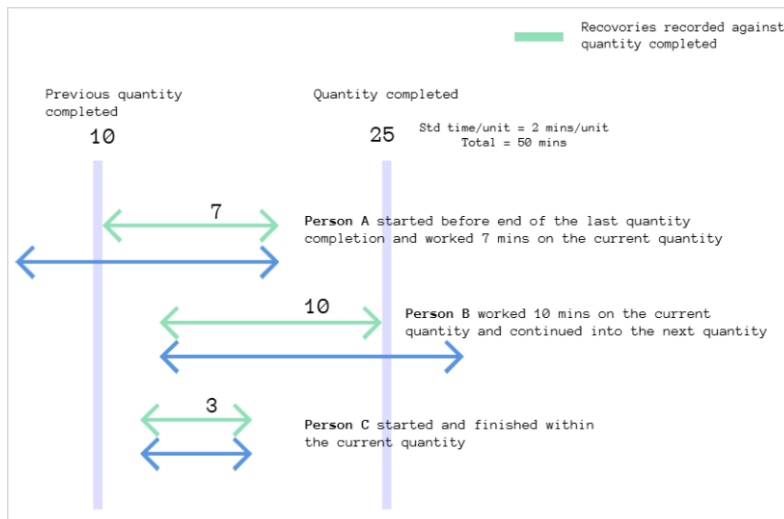
| History | | | | | | | | | | | | | | |
|---------|---------------------|------------------|---------|------|-------------|--------------|---------------------|-------------|-------|------------|--------|---------|--------------|----------|
| Compare | | | | | | | | | | | | | | |
| Rev No | Last Edit Date | Last Edit User | Version | SUID | Instruct... | Descripti... | Approve ... | Approve ... | Notes | Status | Active | eSigned | Results e... | Document |
| 2 | 07/11/2025 07:01:30 | Meenakshi Kadole | 1.0 | | | | 07/11/2025 07:01:29 | | | Approved | Yes | Yes | | |
| 1 | 07/11/2025 06:59:19 | Meenakshi Kadole | 1.0 | | | | | | | Unapproved | Yes | No | | |



Recovery Mode – Op Qty Completion

The Op Qty Completion (Shared) recovery mode was added. This mode allows you to share recoveries amongst the people who worked on the quantity completed. Recoveries are earned as soon as a quantity for an operation is completed. The recovery is credited to all users who booked activity to the operation since the last quantity completion in proportion to the actual time accrued. The image below describes how recoveries are shared where 3 people worked a total of 20 minutes on the quantity completed.

The total labour minutes recorded between the two partial completions (10 and 25).



The following calculations are based on the diagram above:

- Std time/unit = 2 mins/unit
- Total recoveries for the 25 items completed = std time * qty complete = 2 * 25 = 50 mins
- Recoveries distributed between all the people working on those 25 items are as follows:
- Recoveries per person:

- Recoveries for person A = (time worked by person A between qty completions) / (total labour for all people between the qty completions) * Total Recoveries

Person A = (7 / (7+10+3)) * 50 = 17.5 mins
- Person B = (10 / 20) * 50 = 25 mins
- Person C = (3/20) * 50 = 7.5 mins

Reporting

Improvements to the Asset Status Log Screen

With reference to the images below:

- Only list assets for which status tracking is enabled in the filter list box.
- Excluded the Tool Type ‘Asset’.
- Filter list box made wider to accommodate longer names.
- FromDT and ToDT columns already available in the grid.
- Adjusted WorkCentre mins added to 'Asset Status Log Details' pop-up grid.
- Asset selection is blank and not automatically refresh.
- Status Class was added as a hidden field in the grid next to the Status column.

Asset Status Log

Asset

1 DW-ConcmtWC&Ctrf1

Status

From

01/07/2025

To

28/11/2025

Refresh

Serial Numbers

| From | To | Status | Status Class | Reason | Wip Qty | Comments |
|------------------|------------------|-----------|--------------|--------|---------|----------|
| 18/07/2025 14:59 | 18/07/2025 14:59 | Available | Downtime | | 17 | |
| 18/07/2025 14:59 | 18/07/2025 14:59 | Available | Downtime | | 17 | |
| 18/07/2025 14:59 | 18/07/2025 14:59 | Available | Downtime | | 17 | |
| 18/07/2025 14:58 | 18/07/2025 14:58 | Available | Downtime | | 17 | |
| 18/07/2025 14:59 | 18/07/2025 14:59 | Available | Downtime | | 16 | |
| 18/07/2025 14:59 | 18/07/2025 14:59 | Available | Downtime | | 16 | |

Asset Status Log

Asset DW-ConcmtWC4Ctrl1

Asset Status Log Details

| SERIALNO | PRODUCT | ADJUSTEDWORKCENTREMINS |
|-------------|------------------|------------------------|
| *Dms036 | ! DW-PrdCrane1.0 | 584.32 |
| DW014 | ! DW-PrdCrane1.0 | 584.32 |
| DW021 | ! DW-PrdCrane1.0 | 584.32 |
| DW022 | ! DW-PrdCrane1.0 | 584.32 |
| DW023 | ! DW-PrdCrane1.0 | 584.32 |
| DW024 | ! DW-PrdCrane1.0 | 584.32 |
| DW025 | ! DW-PrdCrane1.0 | 584.32 |
| 10004-11193 | 10004-11193 | 584.32 |

Asset Status Log

Asset DW-ConcmtWC4Ctrl1

Asset Status Log Details

| SERIALNO | PRODUCT | ADJUSTEDWORKCENTREMINS |
|-------------|------------------|------------------------|
| *Dms036 | ! DW-PrdCrane1.0 | 584.32 |
| DW014 | ! DW-PrdCrane1.0 | 584.32 |
| DW021 | ! DW-PrdCrane1.0 | 584.32 |
| DW022 | ! DW-PrdCrane1.0 | 584.32 |
| DW023 | ! DW-PrdCrane1.0 | 584.32 |
| DW024 | ! DW-PrdCrane1.0 | 584.32 |
| DW025 | ! DW-PrdCrane1.0 | 584.32 |
| 10004-11193 | 10004-11193 | 584.32 |

Scheduling

When paging was introduced, you had to select 'All' in the Page Size field at the bottom of the grid to then filter for jobs with issues.

In 9.2, the 'Orders with Issues Only' checkbox was added to the Schedule Manager search criteria to easily identify only those jobs with issues.

Schedule Manager

Live Config

Search
☒ Restrict To Jobs With Open Issues
 Include Closed Since 18/01/2025
 Include Deleted Since
 Search

| Recipe | Product | Workflow | BoM | Qty Order | Qty Complete | Qty Wip | Qty Scr... | Due Date | Validation... | Issue Exists |
|---|---------------------|---------------------|--------------------------|-----------|--------------|---------|------------|---------------------|---------------|--------------|
| ItemStatus_06025 | Drynesshear Product | ItemStatus_06025 | | 20 | 0 | 1 | 0 | | Production | 1 Δ |
| sched02 | GG E0007 | gg-fm007 | E002 | 80 | 8 | 8 | 0 | | Production | 1 Δ |
| UseThisRecipe | Drynesshear Product | UseThisWorkflow | UseThisBoM | 20 | 0 | 1 | 0 | | Production | 1 Δ |
| *DW-CPI-Crutchflow r | ! DW-PrdCrane1.0 | ! DW-CPI-Crutchflow | ! DW-clbm2 | 50 | 0 | 10 | 0 | 10/04/2025 00:00:00 | Production | 1 Δ |
| Rtr AL_Capacity_0907_WF | Ami Product | AL_Capacity_0907_WF | Al Cakes 2 | 10 | 2 | 2 | 0 | 15/07/2025 23:59:59 | Production | 1 Δ |
| Bulk Red Science Pack - Default - Latest approved Workflow Action Test Flow | Red Science Pack | Action Test Flow | Red Science Pack Default | 10 | 2 | 6 | 1 | | Production | 1 Δ |

Time and Attendance

In 9.2, when an authorised person makes a change to the start or end of an activity log, you can configure the system to make it mandatory to leave a comment.

In the Application Properties screen, if the 'REQUIRE_COMMENT_ON_ACTIVITY_LOG' is set to 'Yes', then the reason capture is compulsory, and a reason must be provided in the comments field.

When you click 'Save', a warning pops up that says: “Warning: this change of activity log will change the adjusted labour mins for this activity, any other activity that overlaps this one for the user and any activity logs for other users booked to the same operation at the same time”.

Application Properties

| Key | Name | Value |
|---------------------------------|--|------------|
| PU_NUMBER_SERIAL_RANGE | Serial Range name for PU Number | PU Numbers |
| REQUIRE_COMMENT_ON_ACTIVITY_LOG | Require Require for manual activity log change of start and end time | Yes |
| SKILL_MGR_EXP_SKILL_DAYS | The default number of days shown in the future expire box | 20 |

Working (Active)

AMIT-0192 (AJ) ind Label Print

AMIT-0192-Amit Product-0

W02005

AJ ind Label Print Activity (10)

AJ industries Activity

Amit Work centre 2

02/12/2025 16:15

02/12/2025 17:22

Save

Cancel

Tools

In 9.2, the tooling functions continued to be enhanced:

Add SUID to Tool Groups

SUID field has been added to Tool Groups to enable better integration with external asset management systems / ERP.

- SUID (optional string) is set when adding or editing a Tool Group.
- Tool Groups can be listed by SUID through the List API.
- Tool Group can be added with a SUID field through the Upsert API.

Workstation

Enforce Planned Work Centre

In 9.2, you can automatically enforce booking onto the planned Work Centre when "Enforce Planned Work Centre" is enabled. This can be configured against the operation node by design or can be managed in the job operation planning screen manually.

In the workstation, if enforcement is turned on, the planned work centre is displayed. If the operator filters for a single work centre it will only display valid jobs for that work centre (i.e., operations that are not enforced and can be done on that work centre, or valid operations that are enforced but have no work centre planned, or operations that are planned to be done on that work centre).

When an operator books onto an operation where the 'enforce planned work centre' is enabled and a work centre is planned, the system will bypass the work centre selection pop-up.

Silent Multi Start and Multi Complete

The system has supported multi book on to items for a number of years but this has only previously been available for items that are already started. In 9.2 it is now possible to multi-start items also, i.e., you can multi-select more than one unstarted job (assuming that this is configured as possible for each) and use the multi-book function to start them all at once.
