

User Manual

Aptean Food and Beverage ERP

Shop Floor Production

Product Documentation



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Release notes

Article • 7/22/2026 • 2 min read

To view what's new or changed in each release of the Aptean Shop Floor Production (BC) extension, select the specific release version.

Date	Release version	Description
July 2026	2603.0.0.0	Major release
June 2026	2602.3.0.0	Minor release
May 2026	2602.2.0.0	Minor release
April 2026	2602.1.0.0	Minor release
April 2026	2602.0.0.0	Major release
March 2026	2601.3.0.0	Stability release
February 2026	2601.2.0.0	Stability release
February 2026	2601.1.0.0	Stability release
January 2026	2601.0.0.0	Feature release
December 2025	2512.4.0.0	Stability release
December 2025	2512.3.0.0	Platform release
November 2025	2512.2.0.0	Stability release
October 2025	2512.1.0.0	Stability release
October 2025	2512.0.0.0	Feature release
October 2025	2511.0.0.0	Feature release
October 2025	2510.1.0.0	Stability release
September 2025	2510.0.0.0	Feature release
August 2025	2509.2.0.0	Stability release
August 2025	2509.1.0.0	Stability release
July 2025	2509.0.0.0	Feature release



July 2025	2508.0.0.0	Feature release
July 2025	2507.2.0.0	Stability release
July 2025	2507.1.0.0	Stability release
July 2025	2507.0.0.0	Feature release
July 2025	2506.6.0.0	Platform release
July 2025	2506.5.0.0	Platform release
June 2025	2506.4.0.0	Stability release
May 2025	2506.3.0.0	Stability release
May 2025	2506.2.0.0	Stability release
May 2025	2506.1.0.0	Stability release
April 2025	2506.0.0.0	Feature release
April 2025	2505.2.0.0	Stability release
April 2025	2505.1.0.0	Stability release
April 2025	2505.0.0.0	Feature release
April 2025	2504.3.0.0	Stability release
March 2025	2504.2.0.0	Stability release
March 2025	2504.1.0.0	Stability release
March 2025	2504.0.0.0	Feature release
March 2025	2503.5.0.0	Stability release
March 2025	2503.4.0.0	Stability release
March 2025	2503.3.0.0	Platform release
February 2025	2503.2.0.0	Stability release
February 2025	2503.1.0.0	Stability release
February 2025	2503.0.0.0	Feature release
February 2025	2502.4.0.0	Stability release



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January 2025	2502.2.0.0	Stability release
January 2025	2502.1.0.0	Stability release
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September 2024	2404.5.0.0	Stability release
September 2024	2404.4.0.0	Stability release
September 2024	2404.3.0.0	Stability release



2603.0.0.0

Release Note • 7/22/2026 • 6 min read

Note

- The ad-hoc quality check creation, the quality check badge, and the multiple simultaneous recurring quality checks require the Aptean [Quality Control \(BC\)](#) extension and the Aptean [Integration Layer](#) extension.
- The lot production date editing requires the Aptean [Expiration Management](#) extension for the field caption and the Aptean [Lot Management](#) extension for lot production date storage.
- The lot attribute display and the **Available Lots** modal use the Aptean [Advanced Attributes](#) extension; inspection status and lot origin detail columns use the Aptean Inspection Status and Aptean [Lot Management](#) extensions when installed. The system degrades gracefully when any of these extensions are absent.

Features

With the features added in this release of the Aptean Shop Floor Production extension,

- Multiple recurring quality check triggers can run simultaneously on a single production order routing line, with each trigger tracked independently and scheduled against the actual cumulative production time. The new **Recurring Quality Check Tracking** page, opened from the **Recurring Quality** action on the **Prod. Order Routing** page, lists every trigger for the routing line with a calculated **Next Check Expected** value, **Open QC Checks Count** and **Posted QC Checks Count** columns, and a **Force Check Now** action that creates a check immediately and resets the recurring baseline. A **Create First Recurring Check on Start** option on the **QC Triggers** page creates the first check the moment production starts. For more information, see [Integration with Aptean Quality Control \(BC\)](#).
- A one-off quality check can be created directly from the **Production Order Overview** page in Shop Floor Production. Select the + button next to the quality tile to open a modal that captures the production order context and the selected **QC Team** and **QC Plan**, then creates the quality check and offers direct navigation to it in the Aptean [Quality Control \(BC\)](#) extension. A **Default QC Team** field on the **Shop Floor Production Setup** page pre-populates the team. For more information, see [Integration with Aptean Quality Control \(BC\)](#).
- Lot attribute information is available when selecting lots for consumption. Up to three attributes configured on the **Lot Attributes** FastTab of the **Shop Floor Production Setup** page appear below the standard quantity, expiration date, and bin details in the consumption **Lot No.** dropdown. A new **Available Lots** modal, opened from the ellipsis button on the **Lot No.** field of the **Register Input** page, shows all available lots in a table with lot, inventory, expiration date, bin, variant, inspection status, and attribute columns, plus a details panel of lot attributes and lot origin details. For more information, see [Register consumption](#).
- List page layouts are administrator-configurable through a list profile framework, with no code deployment required to change which columns appear. The new **SFP List Profiles** page and its related **SFP List Profile Pages**,



SFP List Profile Columns, and **SFP List Profile Assignments** pages control column visibility, order, pinning, width, search-bar inclusion, per-column filtering, sorting mode, text style, and compound two-line cells, and assign profiles to individual users or role centers. The **Production Order List** page is the first page supported. For more information, see [Set up list profiles](#).

Enhancements/Modifications

With this release of the Aptean Shop Floor Production extension,

- The output bin can be changed during output registration when the **Allow Edit of Output Bin** field on the new **Outputs** FastTab of the **Shop Floor Production Setup** page is turned on. When the field is turned on, the **Bin Code** field on the **Register Output** page is a dropdown of all bins at the production order line location, defaulting to the production order line bin code; when it is turned off, the **Bin Code** field remains read-only. The selected bin is validated by standard warehouse management validation during posting. For more information, see [Register output](#).
- The lot production date can be viewed and edited within Shop Floor Production when the **Allow Edit Lot Production Date** field on the **Shop Floor Production Setup** page is turned on. The field appears on the **Production Order Details** page with a click-to-edit interaction, as a column on the output listing, and as an editable field on the **Register Output** page, and uses the caption configured in the Aptean [Expiration Management](#) extension. Registration is blocked when the entered date does not match the existing production date recorded for the lot. For more information, see [Register output](#).
- A quality check badge appears in the top bar of the **Input** list and **Output** list pages, showing the open quality check count for the production order. The badge shows the same count as the quality tile on the **Production Order Overview** page and opens the Aptean [Quality Control \(BC\)](#) extension pre-filtered to the production order when selected. The badge is hidden when the count is zero. For more information, see [Integration with Aptean Quality Control \(BC\)](#).

With this release of the Aptean Shop Floor Production extension, the

OnAfterCalcRestrictConsumptionToComponentBin integration event has been added to the **SFPBCAvailableLotAndBin14FDW** codeunit to allow a partner extension to override whether component consumption is restricted to the bin on the production order component line, on a per-component or per-location basis.

UI/UX changes

The following UI/UX changes have been made in this release.

- The following pages have been added:
 - The **SFP List Profiles** page
 - The **SFP List Profile Pages** page



- The **SFP List Profile Columns** page
 - The **SFP List Profile Assignments** page
 - The **Recurring Quality Check Tracking** page
- The **Recurring Quality** action has been added to the **Prod. Order Routing** page.
 - The **Force Check Now** action has been added to the **Recurring Quality Check Tracking** page.
 - The **Outputs** FastTab has been added to the **Shop Floor Production Setup** page.
 - The **Lot Attributes** FastTab has been added to the **Shop Floor Production Setup** page.
 - The **Allow Edit of Output Bin** field has been added to the **Shop Floor Production Setup** page.
 - The **Allow Edit Lot Production Date** field has been added to the **Shop Floor Production Setup** page.
 - The **Default QC Team** field has been added to the **Shop Floor Production Setup** page.
 - The **Display Lot Attribute 1**, **Display Lot Attribute 2**, and **Display Lot Attribute 3** fields have been added to the **Shop Floor Production Setup** page.

Resolved issues

The following issue has been resolved in this release.

ID	Description
374340	The system does not return the Shop Floor Production Setup page when an abbreviated term such as <i>SFP Setup</i> is entered in the Tell me search, which requires the full page name to be typed.
380106	The system fails to display unmapped or newly uploaded SharePoint files in the Work Instruction Worksheet page when the non-Graph API SharePoint option is used.
380420	The system fails to calculate the correct weight quantity when posting a catch weight item using a license plate from the Register Input page, which could also result in a validation error blocking the post.



2602.3.0.0

Release Note • 6/24/2026 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production extension, the *OnAddCustomFormElementsForOutput* and *OnAfterPostProductionRegistration* events have been enhanced to support creating related custom records from output registration data without requiring a COMMIT() in the subscriber.

Resolved issues

The following issues have been resolved in this release.

ID	Description
370893	The system fails to use the license plate's current bin location when reversing production output, causing the bin content at the original output bin to go negative when the license plate has been moved to a different bin before the reversal.
375175	The system fails to apply the SharePoint tenant ID entered in the work instruction assisted setup wizard when retrieving SharePoint sites and document libraries during the setup steps, which prevents the setup from being completed when the SharePoint library is hosted in a different Azure AD tenant than the one running Business Central.
375664	The system fails to store registration comments entered with an output registration when the Prod. Output Whse. Handling field value on the location is set to <i>Warehouse Put-away</i> . This issue occurs when a warehouse put-away request already exists for the production order, causing the posting routine to roll back the saved comment even though the registration itself succeeds.
375369	The system fails to prevent duplicate entries from being generated in the Shop Floor Control table, leaving one of the duplicate records stuck in Production status instead of transitioning to Finished .



2602.2.0.0

Release Note • 5/27/2026 • 5 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production extension,

- You can connect Shop Floor Production work instructions to a SharePoint library hosted in a different Azure AD tenant than the one running Business Central. A new **SharePoint Tenant ID** field has been added to the **Work Instructions** FastTab on the **Shop Floor Production Setup** page so that customers whose Business Central environment does not include SharePoint can still use the work instructions feature by pointing the app registration lookup to a corporate or partner tenant. Leaving the field empty preserves the existing same-tenant behaviour. For more information, see [Set up work instructions in shop floor production](#).
- The **Tare Weight** field on the **Register Output** page defaults to 0 for catch weight items, so operators can submit a registration without entering a tare value when no tare applies. Additionally, an integration event has been added so that partner extensions can override the default value when a customer-specific default is required.
- A **Pack Configuration** column has been added to the **Packaging** section on the **Production Order Details** page. The column is conditionally visible only when at least one packaging row on the production order has pallet stacking data configured, and displays the number of shipping units and pallet breakdown in the format *{No. of Shipping Units} ({Number per Layer}×{Number of Layers})* — for example, 48 (6×8). Rows without stacking data show a blank cell. For more information, see [View the production order details](#).

Extension dependencies

The following extensions have been updated in this release to support the new or enhanced features:

Extension Name	Minimum version requirement	Extended functionality
Aptean Packaging for Food and Beverage	2602.2.0.0	Required to surface pallet stacking values (No. of Shipping Units, Number of Layers, Number per Layer) on the Production Order Details page.



Aptean Integration Layer for Food and Beverage	2602.2.0.0	Required to transfer the new pallet stacking fields from the Aptean Packaging extension to Shop Floor Production.
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UI/UX changes

The following UI/UX changes have been made in this release.

- The **Pack Configuration** column has been added to the Packaging section of the **Production Order Details** page.
- The **SharePoint Tenant ID** field has been added to the **Work Instructions** FastTab on the **Shop Floor Production Setup** page.
- The **Ending Date Time** field has been removed from the **Shop Floor Production Status** page.
- The **Starting Date Time** field on the **Shop Floor Production Status** page has been renamed to **Last Status Change**.

Resolved issues

The following issues have been resolved in this release.

ID	Description
357291	The system fails to populate the Ending Date Time field on the Shop Floor Production Status page after a production order operation is completed and the production order is set to <i>Finished</i> , leaving the column blank even though the entry shows the Starting Date Time correctly.
365247	An error occurs when posting Shop Floor Production registrations if orphaned Item Journal Line records remain in the journal batch from earlier failed registrations on the same production order line, which prevents subsequent registrations from being posted. Additionally, warehouse put-aways are not generated and license plate logic does not run consistently when the Prod. Output Whse. Handling field value on the location is not set to <i>Warehouse Put-away</i> and no license plate is in scope.
365565	The system does not validate the report ID before executing print requests received from the Shop Floor Production app, which allows reports outside the Shop Floor Production allow-list — including reports that perform data processing — to be triggered from the front end.
365940	The system fails to honour the item-level Lot No. Per setting in three scenarios on the Register Output page. A specific sequence of edits on the Shop Floor Production Setup page leaves an item with Lot No. Per set to <i>Production Order</i> even when Output Lot Preview is <i>None</i> , bypassing the intended validation. Additionally, on a production order with co-products that share a single SFP order, the Generate New Lot action on the Register Output page derives its visibility from the main production order line rather than the co-product item being output. Furthermore, switching items on the Register



	Output page causes the lot number to increment for items with Lot No. Per set to <i>Production Order</i> , even when a prior output already established the lot for the production order.
367208	The system does not populate a default value in the Tare Weight field on the Register Output page for catch weight items, which requires operators to manually enter a tare weight before the registration can be submitted.
367771	The system displays the total lot quantity in the Inventory field on the Register Input page when an operator scans a license plate for a component with both Lot Specific Tracking and Package Specific Tracking enabled, instead of showing the quantity on the scanned license plate.
370976	The system fails to apply work instruction association filters to the work instruction count displayed on the Production Order Overview tile, which causes the tile to over-report the number of instructions actually available to the operator. Additionally, work instruction association filters are not applied on the Work Instructions screen in the non-Graph version of Shop Floor Production, so operators see instructions that should have been excluded by the active association.
362839	The system displays an incorrect value in the Registered Quantity field on the Shop Floor Production app when an item with an alternate unit of measure posts consumption in a decimal alternate unit of measure value. This issue occurs because the unit of measure conversion factor is derived from rounded quantity values on the production order component line instead of the exact factor from the Item Unit of Measure table. Additionally, the Consumption Correction dialog displays quantities in the base unit of measure instead of the posting unit of measure, causing a posting error when you save the correction.



2602.1.0.0

Release Note • 4/23/2026 • 2 min read

Features

With the features added in this release of the Aptean Shop Floor Production extension,

- You can utilize a PTE to configure a *Custom* license plate consumption scan mode that integrates with your own barcode validation and field pre-population logic. When the *Custom* mode is active, scanning a barcode triggers your extension's validation rules and automatically pre-populates consumption fields based on the scan result. This feature uses the new *OnValidateCustomConsumptionScan* and *OnSetConsumptionRegistrationCustomScanValues* events.
- You can add custom read-only fields to the **Consumption Correction** and **Output Correction** forms using the *OnGetConsumptionCorrectionCustomFields* and *OnGetOutputCorrectionCustomFields* events respectively.
- You can add custom columns to the **Consumption Correction List** screen using the *OnGetConsumptionCorrectionListCustomColumns* event.

UI/UX changes

The following UI/UX changes have been made in this release.

- The *Custom* option has been added to the **License Plate Consumption Mode** setting on the **Shop Floor Production Setup** page.
- The + **Custom Scan** button has been added on the **Input** page of Shop Floor Production when the *Custom* option is selected for the **License Plate Consumption Mode** setting.

Resolved issues

The following issues have been resolved in this release.

ID	Description
365092, 366277	The system encounters significant performance degradation when the Utilize Graph API for SharePoint connection toggle on the Shop Floor Production Setup page is turned on and more than 1,000 instructions are stored in SharePoint.
361085	The system incorrectly hides work instructions in Shop Floor Production when the same instruction is selected more than once.



2602.0.0.0

Release Note • 4/22/2026 • 4 min read

Features

With the features added in this release of the Aptean Shop Floor Production extension,

- You can configure how registered output quantities are displayed on the **Output** tile for multi-stage production orders, giving operators accurate visibility into work-in-progress at each routing line stage. For more information, see [Set up shop floor production](#).
- You can configure lot number persistence behavior for individual items. In the **Lot No. Per** field on the **Replenishment** FastTab of the **Item Card** page, select the lot number assignment method for a specific item. When configured, the item-level setting overrides the global setting on the **Shop Floor Production Setup** page. Items where the **Lot No. Per** field value is left blank use the global setting. For more information, see [Set up shop floor production](#).
- You can register consumption by scanning Aptean Warehouse Management license plates on the shop floor. The *Strict*, *Allow Quantity Difference*, and *Expect GS1* consumption modes are all supported. For more information, see [Register consumption through GS1 barcodes](#).

Enhancements/Modifications

With this release of the Aptean Shop Floor Production extension,

- You can assign a single work instruction file to multiple items or work centers without uploading the file multiple times. Use the **Manage Associations** action on the **Work Instruction Worksheet** page to create mapping line associations for a work instruction. For more information, see [Work instruction worksheet and migration](#).
- The system applies to the behavior of the selected option in the **Mode** field when an order is selected from the list on the **Shop Floor Production** page. This change addresses the issue where the behavior only applied when a production order number was entered in the **Search** box. This enhancement addresses the issue reported in bug ID 353904.

Integration dependencies

The following extensions have been updated in this release to support the new or enhanced features:

Extension Name	Minimum version requirement	Extended functionality
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Aptean Beverage Advanced Warehouse Management for Drink-IT Edition	2602.0.0.0	Required to register consumption by scanning Aptean Warehouse Management license plates on the shop floor.
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UI/UX changes

The following UI/UX changes have been made in this release.

- The **Work Instruction Mapping Lines** page has been added.
- The **Manage Associations** action has been added to the **Work Instruction Worksheet** page.
- The **Work Instruction Mapping Lines** FactBox has been added to the **Work Instruction Worksheet** page.
- The **Mode Controls Production Order Opening** field has been added to the **Shop Floor Production Setup** page.
- The **Lot No. Per** field has been added to the **Item Card** page.
- The **Output Display Mode** field has been added to the **Shop Floor Production Setup** page.
- The search bar on the **Work Centers**, **Machine Centers**, and **Production Orders** pages has been moved to a dedicated row below the page header.
- The **Zoom In** and **Zoom Out** buttons on the **Instructions** page are displayed side by side.
- Minor visual polish and spacing adjustments.

Resolved issues

The following issues have been resolved in this release.

ID	Description
336968	The system fails to prevent the deletion of an item journal template or item journal batch that is referenced on the Shop Floor Production Setup page. This issue occurs when a template or batch is deleted while it is still in use, which can result in consumption being shown as registered without any item ledger entries being created.
353904	The system fails to apply the selected <i>Mode</i> behavior when an order is selected from the list on the Shop Floor page. This issue arises when the production order number is not manually entered in the Search box. Additionally, the selected <i>Mode</i> functions consistently whether the order is selected via search or by clicking from the list.



365092	The system fails to load work instructions in a timely manner when the connected SharePoint library contains a large number of work instruction files.
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2601.3.0.0

Release Note • 3/25/2026 • 2 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
357260	The system incorrectly validates the Create Single Start QC Check setting on QC triggers at the work center level rather than per trigger, preventing proper regeneration of quality checks when production resumes after a stop.
352450	The system incorrectly attempts to post output journal lines from other production orders in the journal batch instead of isolating the posting to the current production order and line when registering output in Shop Floor Production.
355093	The system does not show work center quality check counts properly if there are more than 99 checks.
358026	The system incorrectly shows a Business Central posting dialog when posting registrations in Shop Floor Production from locations with the Prod. Output Whse. Handling field value set to <i>Warehouse Put-away</i> .
358056	The system incorrectly evaluates pre-production quality check enforcement by combining all open work center QC check types into a single count and applying trigger settings from unrelated check types, which can block production status changes even when no open checks of the enforced type exist.
358704	The system does not populate inherited attributes for outputs in Shop Floor Production unless the Attributes page is opened, and does not validate mandatory attributes before saving output registrations.
359663	The system shows incorrect translations for certain captions in the French language.
357618	The system incorrectly allows for a single license plate to be registered to multiple different bins if a separate license plate is moved in between registrations.
362371	The system fails to update the Total Production Time field value on production status records when using the Failure or Stop action in Shop Floor Production.
351791	The system fails to automatically update the Expiration Date field value on the Shop Floor Production page when the Lot No. field value is automatically assigned during the second output posting.



360526	The system incorrectly displays lots with negative quantities in the Lot No. field in the Shop Floor Production Input section on the Shop Floor Production page when a package number is assigned to a lot-tracked item.
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2601.2.0.0

Release Note • 2/25/2026 • 3 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production extension, the following changes have been made to ensure compatibility with Business Central, version 28.0.

- The *GetItemTrackingInfoForProdOrderOutput* procedure in the *SFPBCGetLotNo14FDW* codeunit has been updated to use the *Prod. Order Line-Reserve* codeunit for initializing item tracking specifications from production order lines, replacing the deprecated direct initialization method in line with the updated tracking specification architecture.
- The *GetItemTrackingInfoForProdOrderOutput* procedure in the *GetLotNoAPI14v10FDW* page has been updated to use the *Prod. Order Line-Reserve* codeunit for initializing item tracking specifications from production order lines, ensuring the API endpoint for retrieving lot numbers continues to function correctly.
- The *ProdOrderLineReserve.InitFromProdOrderLine* method call has replaced the *TemplItemTrackingSpecification.InitFromProdOrderLine* method in both the *SFPBCGetLotNo14FDW* codeunit and *GetLotNoAPI14v10FDW* page to align with the refactored item tracking initialization pattern for production orders.
- You can properly support inheritable lot attributes, aligned with the standard production process in BC. Inherited attributes and values can be added to lot information when opening the **Attributes** action during output registration. This enhancement addresses the issue reported in bug ID 351775.

UI/UX changes

The **Machine Center List** page in shop floor production shows machine center name alongside machine center number.

Resolved issues

The following issues have been resolved in this release.

ID	Description
311505	The system incorrectly generates Start and Finish quality control checks for production orders even if the shop floor production status fails to update.



349279,345212	The system displays a blank list of alternative items when the +Alternative action is selected multiple times on the Input page.
346610	The system incorrectly combines all shop floor production time entries into a single capacity entry when using the <i>Ending Date</i> posting date method, even if the entries span multiple financial periods.
350433	The system fails to retrieve more than 200 work instructions on the Work Instruction Worksheet and Shop Floor Production pages when the Utilize Graph API for SharePoint Connection toggle on the Shop Floor Production Setup page is turned on.
351775	The system does not pre-populate inheritable lot attributes on the Register Output page in shop floor production.
353800	The system incorrectly allows production orders to be started in shop floor production even when <i>Start Work Center</i> or <i>Stop Work Center</i> quality control checks should prevent further status changes.
344049	The system does not display the machine centre name alongside the machine centre code on the Machine Center List page, making it difficult for users to clearly identify machine centres in the list.
349906	The system prevents users from finishing a released production order when manual time entries exist, even if the shop floor planning post time is set to <i>OFF</i> .

See also

[Known issues](#) - Lists current issues and their status.



2601.1.0.0

Release Note • 2/10/2026 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
352293	The system fails to automatically print labels for output registrations from shop floor production when the Prod. Output Whse. Handling field value is set to <i>Warehouse Put-away</i> on the Location Card page.



2601.0.0.0

Release Note • 1/28/2026 • 5 min read

Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension,

- The system prevents from automatically focusing on the Search Bar when the **Production Order List** page opens.
- You can register component consumption by scanning GS1-compliant barcodes that automatically populate the **Item No.**, **Lot No.**, and **Quantity** field values.
- You can configure reports appear in the shop floor production print menu using Business Central standard report selections.
- You can view values in the **Quality Control Check count** tile in shop floor production by work center, ensuring shop floor users only see quality checks relevant to their selected work center.
- You can configure quality control triggers to generate production order start-up checks only when starting production, preventing duplicate checks when resuming from breaks.

For more information, see [Set up shop floor production](#).

- The system prevents unauthorized users from editing or deleting previously registered consumption and output entries, with configuration options at both global and user levels.
- The **Show Finished Orders** toggle on the **Shop Floor Production** page only displays production orders finished in shop floor production.
- The *OnBeforeSetDefaultShippingContainer* integration event has been added to the *SFPBCGetFormElements14FDW* codeunit to set a default value for the **Shipping Container** field in output registration.
- You can enter, modify, and delete production order comments during shop floor production. For more information, see [Production order overview](#).
- You can view the number of quality checks associated only with work centers (not with production orders) on the **Work Center List** page and select the count badge to open the **Quality Control App** page to view the related details.
- The system automatically displays work instructions when only one instruction is defined for a production order, eliminating the extra selection step. For more information, see [View work instructions in shop floor production](#).
- You can register consumption of non-inventory items in shop floor production. For more information, see [Registration of input](#).



Enhancements/Modifications

With this release of the Apteian Shop Floor Production (BC) extension, the Apteian Shop Floor Production PowerApps will no longer be supported. The PowerApp can still be used, but Apteian will no longer support new features, and the stability of the PowerApp can no longer be guaranteed. Accordingly, the following changes have been made:

- New companies using or installing shop floor production have the **Quality Control Extension** field set to *Quality Control BC* on the **Shop Floor Production Setup** page. Existing companies are not affected.
- New companies using or installing shop floor production have the **Enable SFP in BC** toggle on the **Shop Floor Production Setup** page turned on. Existing companies are not affected.
- Legacy notifications requiring the installation of other Apteian extensions have been removed.

Integrations

The Apteian Shop Floor Production (BC) extension has been integrated with the Apteian [Standard Measurements](#) extension. For more information, see [Integrations](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Quality Control** FastTab has been added to **Shop Floor Production Setup** page, and the following fields have been moved to this FastTab:
 - Quality Control Extension
 - Max Recurring Quality Checks
 - Max Recurring Quality Checks - QCA
- The **License Plate Consumption Mode** field has been added to the **Work Center Card** page.
- The **Default GS1 Quantity** field has been added to the **Shop Floor Production Setup** page.
- The **Disable Registration Correction** field has been added to the **Shop Floor Production Setup** and **Shop Floor Users** pages.
- The **Limit Quality Check Count by Work Center** toggle has been added to the **Shop Floor Production Setup** page.
- The **Disable Auto Focus on Search Bar** toggle has been added to the **Shop Floor Production Setup** page.
- The *Report Selection* option has been added to the **Default Report Selection** field on the **Shop Floor Production Setup** page.



- The *Shop Floor Production* option has been added to the **Usage** field on the **Report Selections Production Order** page.
- The *Expect GS1* option has been added to the **License Plate Consumption Mode** field on the **Shop Floor Production Setup** page.
- The **+GS1** button has been added on the **Input** page associated with the **Shop Floor Production** page.

Note

This button is visible only when the **License Plate Consumption Mode** field value is set to *Expect GS1* **Shop Floor Production Setup** page.

- The **Add New Comment** button has been added to the **Production Order** page associated with the **Shop Floor Production** page.
- The **Edit** and **Delete** buttons have been added for each comment listed on the **Production Order** page associated with the **Shop Floor Production** page.
- The **QC** column has been added to the **Work Center List** page associated with the **Shop Floor Production** page.

Resolved issues

The following issues have been resolved in this release.

ID	Description
325444	The system fails to provide an integration event to set a default value for the Shipping Container field during output registration, which prevents extensions from assigning a default shipping container automatically.
352278	An error occurs related to user permissions while performing operations in shop floor production.



2512.4.0.0

Release Note • 12/24/2025 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
345713	The system fails to generate a finished production order quality control check when selecting the Finish button on the Production Order Start page in shop floor production.



2512.3.0.0

Release Note • 12/4/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the *OnBeforeInitProductionRegistration* integration event has been added to the *SFPBCProductionReg14FDW* codeunit to allow custom logic to run before production registration is initialized.



2512.2.0.0

Release Note • 11/26/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- You can open work instructions directly from the **Instructions** page by right-clicking any work instruction document and selecting the **Open in new tab** button to view it in a separate browser tab for easier reference.
- The translation file for the Swedish (sv-SE) language has been updated with standard texts for better readability.

UI/UX changes

The **Open in new tab** button has been added to the **Instructions** page.

Resolved issues

The following issues have been resolved in this release.

ID	Description
331675	The system incorrectly increments the lot number while posting the output on the shop floor production. This issue occurs when the Output Lot Preview field value is set to <i>Increment No. Series</i> on the Shop Floor Production Setup page.
319983	The system displays incorrect item details on the Production Orders list, Input , and Output pages when a make-to-order item is used on a family production order.
336194	The system fails to display compliance documents when the Utilize Graph API for SharePoint connection toggle on the Shop Floor Production Setup page is turned on.
326567	The system incorrectly auto-fills the expiration date while registering the output, even when the Require Expiration Date Entry toggle on the Item Tracking Code page is turned on.
331339	The system fails to set the default value in the Quality Control Extension field on the Shop Floor Production Setup page.
290353	The system fails to display whether an input component belongs to the entire production family or to a specific production order line when the Register Input page opens.



336096	The system incorrectly calculates the Quantity and Direct Cost field values on the Capacity Ledger Entries page when a production routing uses two linked work centers that have different units of measure with the Labor toggle turned on for one work center and turned off for another work center.
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2512.1.0.0

Release Note • 10/22/2025 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2512.1.0.0](#).



2512.0.0.0

Release Note • 10/22/2025 • 2 min read

Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension, you can:

- Use work centers and machine centers configured with unit of measure types in hours, minutes, or seconds. The system validates the capacity unit of measurement type when you enable shop floor production for a work center, ensuring only supported time units are used. For more information, see [Set up users per work center](#).
- View total production time in hours and seconds in addition to minutes. This enhancement provides better flexibility for production efficiency analysis across different time measurement units. For more information, see [View the status of a released production order](#).
- View and track production time duration in seconds for all shop floor time entries. This enhancement ensures consistency in time tracking across different units of measure. For more information, see [Shop floor production registration entries](#).
- View and track production time duration in seconds for Business Central time entries. For more information, see [Shop floor production registration entries](#).
- Post shop floor production time entries and BC time entries using multiple units of measure types. For more information, see [Set up shop floor production](Shop Floor Production Setup.md).

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. For more information, see [What's new in Shop Floor Production, version 2512.0.0.0](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The following fields have been added to the **Shop Floor Production Status** page.
 - Total Production Time in Hours
 - Total Production Time in Seconds
- The following fields have been added to the **Shop Floor Production Time Entries** page.
 - Duration in Seconds



- Labor Duration in Seconds
- The following fields have been added to the **BC Time Entries** page.
 - Duration in Seconds
 - Labor Duration in Seconds

Resolved issues

The following issue has been resolved in this release.

ID	Description
315175	The system incorrectly calculates and updates the Direct Cost field value on the Capacity Ledger Entries page.



2511.0.0.0

Release Note • 10/22/2025 • 2 min read

Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension,

- The following integration events have been added to the corresponding codeunits to allow the per-tenant extension (PTE) to extend the input and output registrations in shop floor production.
 - SFPBCGetFormElements14FDW
 - OnAddCustomFormElementsForConsumption
 - OnAddCustomFormElementsForOutput
 - SFPBCProductionReg14FDW
 - OnValidateCustomFormElementsForConsumption
 - OnValidateCustomFormElementsForOutput
 - OnAfterPostProductionRegistration

Additionally, the *TempCustomFormElements14FDW* table has been added to manage these custom fields and handle validation messages.

This enhancement enables the addition of custom form fields based on customer-specific requirements.

- The **Hide Image Previews in SFP** toggle setting on the **Shop Floor Production Setup** page has been enhanced to apply only to the **Production Orders** list page. When toggle is turned on, item images and their placeholders are completely hidden on the **Production Orders** list page to enhance performance, while images continue to display normally on all other pages.
- You can register the consumption of all inventory items associated with a license plate in one step. This functionality simplifies the process of handling pre-staged or pre-mixed components by eliminating the need to register each component line individually. To know more, see [Register consumption for a license plate](#). Additionally, you can define how license plate consumption is processed using the **License Plate Consumption Mode** field on the **Shop Floor Production Setup** page. To know more, see [Set up shop floor production](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **License Plate Consumption Mode** field has been added to the **Posting** FastTab of the **Shop Floor Production Setup** page.
- The + **LICENSE PLATE** button has been added to the **Input** page.



Resolved issues

The following issues have been resolved in this release.

ID	Description
322292	The system incorrectly classifies components with the <i>Pick + Manual</i> flushing method as <i>Automatic</i> instead of grouping them with <i>Manual</i> components on the Input page.
299176	The system fails to update the Bin Code field value on the Production Component Line page based on the To-Production Bin Code field value on the associated work center even when the substitute does not have an open bin relation configured.



2510.1.0.0

Release Note • 10/22/2025 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
323102	The system fails to create the warehouse documents when the <i>Warehouse Put-away</i> option is selected in the Prod.Output Whse. Handling field on the Location Card page. This issue occurs when registering output from the shop floor production.
331714	The system incorrectly updates the Remaining Batches field value on the Register Output page based on the production order line unit of measure instead of the base unit of measure.



2510.0.0.0

Release Note • 9/24/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- The following integration events have been added to the *SFPBCGetFormElements14FDW* codeunit. These events allow the per-tenant extension (PTE) to set default values for specific fields during output registration.
 - OnBeforeSetDefaultLotNo
 - OnBeforeSetDefaultExpirationDate
 - OnBeforeSetDefaultQuantity
 - OnBeforeSetDefaultScrapQuantity
 - OnBeforeSetDefaultPrintLabel
 - OnBeforeSetDefaultComment
- You can mark failure codes as active on the **Shop Floor Production Failure Code** page. Only codes marked as active appear in the **Failure Code** field on the **What Is The Cause Of The Failure?** dialog when you change the status of the production order to *Failure*. This ensures that only valid and active failure codes are selected. For more information, see [Track and record production failure](#).

UI/UX changes

The **Active** checkbox has been added to the **Shop Floor Production Failure Code** page.

Resolved issues

The following issues have been resolved in this release.

ID	Description
295946	The system fails to close the Register Output page when label printing errors occur after a successful posting. Although the posting is completed, the page remains open.
317444	The system incorrectly requires the Bin Code field value when correcting a non-lot consumption item on the Correct Consumption page. This issue occurs even when the Consumption Correction Destination Bin field value is set to <i>Original Bin</i> on the Shop Floor Production Setup page.



320972	The system incorrectly allows to modify the description of a failure code in the Code field on the Shop Floor Production Failure Code page, even when the failure code is already associated with existing entries.
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2509.2.0.0

Release Note • 8/27/2025 • 2 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
294263	The system fails to reset the Lot No. field value to blank on the Register Output page when the Output action is executed on the Shop Floor Production page after a partial production output. This issue occurs when the Output Lot Preview field value is set to <i>None</i> , the Output Expiration Date Calc. field value is set to <i>Posting Date</i> , and the Lot No. Per field value is set to <i>User Defined</i> on the Shop Floor Production Setup page.
314469	The system incorrectly retains the previously generated lot number in the Overserve Lot No. field value on the Output page. This issue occurs when the production order is stopped, closed, and reopened, and the Lot Preview field is set to <i>None</i> on the Shop Floor Production Setup page.
314625	The system incorrectly allows the correction of consumption or output on production orders even when the production order status is not set to <i>Production</i> .
309362	The system prevents users from overriding the default navigation behavior defined in the Default Search Behavior Navigation field on the Shop Floor Production Setup page.
311331	The system fails to register output for co-products when the co-product is the same item as the main item but uses a different unit of measure.
310397	The system fails to create a new quality check when the production order status is changed from <i>Failure</i> to <i>Start-Up</i> or <i>Production</i> .



2509.1.0.0

Release Note • 8/21/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the performance of the **Production Orders** list page has been improved when working with large datasets in shop floor production. Instead of loading the entire list at once, the system only loads rows that are currently visible on the page. To know more, see [Set up shop floor production](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Performance** FastTab has been added to the **Shop Floor Production Setup** page.
- The **Enable Row Virtualization** toggle has been added to the **Performance** FastTab on the **Shop Floor Production Setup** page.
- The **Hide Image Previews in SFP** toggle has been removed from the **General** FastTab and added to the **Performance** FastTab on the **Shop Floor Production Setup** page.

Resolved issues

The following issues have been resolved in this release.

ID	Description
311046	A performance issue occurs when refreshing production order lines during shop floor production. After a production order line is finished, the system takes longer to refresh the remaining lines, particularly when accessed from tablet or mobile devices.
319273	An error occurs when selecting the Save button on the Register Input page if the Output Lot Preview field value is set to <i>Peek No. Series</i> and the Lot No. Per field value is set to <i>Production Order</i> or <i>Output Journal</i> on the Shop Floor Production Setup page. This issue arises when the associated production BOM includes a lot-tracked component item with the Lot Nos. field value as blank on the associated Item Card page. Further, this error persists even after a lot number is assigned to the item.
307019	The system fails to update the Shop Floor Status field value to <i>Not Started</i> on the General FastTab and under the released production order lines on the Released Production Order page when opening the released production order via the Aptean Shop Floor Production app.



308104	When the language is set to Dutch, the system incorrectly translates the notifications on the Aptean Shop Floor Production (BC) extension.
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2509.0.0.0

Release Note • 7/30/2025 • 1 min read

Features

With the feature added in this release of the Aptean Shop Floor Production (BC) extension, you can select the date to post shop floor production time entries.

UI/UX changes

The **Posting Date Method** and **Posting Date** fields have been added to the **Post Shop Floor Production Time Entries** page.



2508.0.0.0

Release Note • 7/30/2025 • 2 min read

Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension,

- You can hide image previews of item across all the pages in the shop floor production and replace item images with simple placeholder icons to ensure faster load times and improve performance in production environments. To know more, see [Set up shop floor production](#).
- The system notifies you on the Role Center if the Aptean Shop Floor Production Power Apps version is installed. The notification includes information about the deprecation and guides you to switch to the supported version of the Aptean Shop Floor Production (BC) extension.
- The system no longer redirects the user to the **Production Orders** list page after marking an order as *Finished*. Instead, the page refreshes and remains in the same production order, allowing you to perform follow-up actions like reviewing quality checks or reopening the order if needed. To know more, see [Set up shop floor production](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Hide Image Previews in SFP** and **Prevent Finish Navigation** toggles have been added to the **General** FastTab of the **Shop Floor Production Setup** page.
- When a production order is marked as *Finished* using the **Finish** button, the button label automatically changes to **Reopen**.

Resolved issues

The following issues have been resolved in this release.

ID	Description
297297	The system fails to update the cost apportion ratio for production orders based on families when output is registered through shop floor production.
300779	The system incorrectly opens additional sessions in the same browser window when the Enter button is pressed during output registration, instead of advancing to the next field.



305270	The system incorrectly selects the first occurrence of a component when the same item appears on multiple lines, even if the the second line is selected during input registration.
301506	The system incorrectly creates a duplicate quality check, which is triggered when starting a production order, even after the initial check has been completed and passed.
301674	The system fails to display available bins in the Bin Code field value on the Register Input page. This issue occurs when an item exists in multiple bins at the same location and is not lot-tracked.



2507.2.0.0

Release Note • 7/2/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can:

- Record advanced lot attributes while registering outputs. The system allows you to view and enter relevant attribute details for output lots as required. To know more, see [Register output with lot attributes](#).
- Navigate more efficiently using the default search behavior navigation feature to define your interaction with production orders, whether you're focused on input, output, or managing the entire production order. To know more, see [Set up shop floor production](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **ATTRIBUTES** button has been added to the **Register Output** page.
- The **Default Search Behavior Navigation** field has been added to the **Shop Floor Production Setup** page.

Integrations

The Aptean Shop Floor Production (BC) extension has been integrated with the Aptean [Advanced Attributes](#) extension. For more information, see [Integrations](#).

Resolved issues

The following issue has been resolved in this release.

ID	Description
286154	The system incorrectly filters production orders on the Shop Floor Production page while searching for a specific production order number using the search bar.



2507.1.0.0

Release Note • 7/2/2025 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2507.1.0.0](#).



2507.0.0.0

Release Note • 7/2/2025 • 1 min read

Features

With the feature added in this release of the Aptean Shop Floor Production (BC) extension, you can define the format in which the lot number appears on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).

Integrations

The Aptean Shop Floor Production (BC) extension has been integrated with the Aptean [Lot Management](#) extension.

For more information, see [Integrations](#).

UI/UX changes

The **Output Lot Preview** field has been added to the **Shop Floor Production Setup** page.



2506.6.0.0

Release Note • 7/2/2025 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2506.6.0.0](#).



2506.5.0.0

Release Note • 7/2/2025 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2506.5.0.0](#).



2506.4.0.0

Release Note • 6/4/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- You can use the **Utilize Graph API for SharePoint connection** toggle on the **Shop Floor Production Setup** page to choose how the Aptean Shop Floor Production extension connects to SharePoint. Additionally, the system supports two methods for retrieving work instructions from the SharePoint, Graph API, and the existing SharePoint connection. For more information, see [Set up SharePoint connection using assisted setup](#).
- You can view and access the consolidated consumption lines on the **Input** tile of the **Shop Floor Production** page. The system displays the number of items that are marked as consolidated consumption. For more information, see [Registration of input](#).
- You can configure the **Consumption Correction Destination Bin** field value on the **Shop Floor Production Setup** page to define where lot-tracked items (excluding license plate-tracked items) should be returned during consumption correction. For more information, see [Set up shop floor production](#).
- The system automatically displays the appropriate bin code during consumption registration. This enhancement streamlines the registration of non-tracked items (items not tracked by lot or license plate) in shop floor production. For more information, see [Register input](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Consumption Correction Destination Bin** field has been added to the **Posting** FastTab of the **Shop Floor Production Setup** page.
- The *Backflushed* description has been renamed to *Automatic/Consumption* on the **Input** tile of the **Shop Floor Production** page.



2506.3.0.0

Release Note • 5/21/2025 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
290644	An error occurs on the Output page when attempting to post the consumption for any routing line other than the last line. This issue occurs when the associated production order contains multiple routing lines and the Strict Expiration Posting toggle on the related Item Tracking Code Card page is turned on.



2506.2.0.0

Release Note • 5/15/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- The *OnCheckProductionOrderFinishedChecks* event has been added to the *SFPBCProductionStatus14FDW* codeunit. The system allows per-tenant extensions (PTEs) to seamlessly integrate custom checks and logic during the production order finishing process.
- The *OnBeforeCreateCustomPrintLabel* event has been added to the *SFPBCCommonFunctions14FDW* codeunit. Additionally, the following events have been added to the *SFPBCProductionReg14FDW* codeunit, offering flexibility by enabling PTEs to subscribe to and trigger actions at critical points in the production process.
 - *OnBeforePostingOutput*
 - *OnAfterPostingOutput*
 - *OnBeforePrintLabel*
 - *OnAfterPrintLabel*

These events allow PTEs to implement custom logic before or after important operations, such as posting production registrations and printing labels.

- You can record consumption and output weights without defining a tare weight. This allows production operators to process input and output registrations with a tare weight of 0, streamlining the registration process. For more information, see [Register input](#) and [Register output](#).

Resolved issues

The following issues have been resolved in this release.

ID	Description
287915	The system fails to retain the correct expiration date when registering outputs for co-products with the same lot number but different expiration dates.
284357	The system fails to create a quality control check when starting a production order from the Shop Floor Production page.
293845	The system incorrectly calculates the weight quantity on the Register Input page when the unit of measure on the Production BOM page differs from the base unit of measure on the Item Card page.



2506.1.0.0

Release Note • 5/7/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can view and process production orders with the **Source Type** field value set as *Family* on the **Released Production Order** page. This enhancement streamlines operations by allowing multiple items to be processed together under one routing. For more information, see [Process production orders with family profile](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Item No.** field has been added to the **Packaging** section of the **PO Details** page.
- The **Description / Source** field on the **Production Orders** list page displays the family description and family number.
- The **Item No.** field is displayed as **Family No.** on the **General** section of the **PO Details** page.
- The family description is displayed on the following pages:
 - PO Details
 - Input
 - Output

Note

These changes apply only when processing shop floor activities for family production orders.



2506.0.0.0

Release Note • 4/23/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you cannot turn off the **Show in Shop Floor** toggle on the **Work Center** page if any associated production orders in that work center have their **Status/Progress** field set to a value other than *Not Started* or *Finished*. This ensures that work centers with ongoing production remain visible in the shop floor production. For more information see, [View the released production order](#).



2505.2.0.0

Release Note • 4/23/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the system allows additional custom text to appear on the **Input** and **Output** tiles of the production order. This enhancement enables users or third-party developers to display contextual or instructional information using a per-tenant extension and helps production operators to access relevant details directly within the shop floor interface.



2505.1.0.0

Release Note • 4/16/2025 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
277817	The system incorrectly suggests the wrong component item on the Register Input page. When selecting the second component line for input, it proposes the first component item instead of the correct item for the selected line. This issue occurs when the two component items have the same item number but different variant codes.
281127	The system incorrectly handles the bin code when correcting the consumption of a license plate-tracked item. Once a license plate is fully consumed, the bin code is cleared, leading to issues with the bin code being incorrectly used.



2505.0.0.0

Release Note • 4/9/2025 • 2 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
272195	The system incorrectly displays an error on the Input page when the work center of a production order is set to finished for the shop floor production. This issue occurs even though all components linked to the work centre with the routing link code which is configured on the Routing Link Code field value of the Prod. Order Components page have been fully consumed. The system incorrectly identifies components with a routing link code that is not associated with the selected work center as required for consumption.
280784	The system incorrectly sets the default value of the Default No. of Operators field to 0 on the Shop Floor Production Setup page.
279760	The system incorrectly displays batch calculation fields for non-batch production orders on the Input page. This issue occurs when the Input Screen Default In Batch View toggle on the Shop Floor Production Setup page is turned on.
282300	The system fails to update the Default No. of Operators field value to 0 on the Input page. This issue arises when the Concurrent Capacities field value is configured in decimal on the Prod. Order Routing page.



2504.3.0.0

Release Note • 4/9/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the system supports customization through user-defined columns on specific screens. This feature enables you or third-party developers to add custom columns to the interface using event subscriber to view or access the required data. These columns are integrated into the Aptean Shop Floor Production (BC) extension user interface across the following screens:

- Production Orders
- Input
- Output



2504.2.0.0

Release Note • 3/28/2025 • 1 min read

Enhancements/Modifications

The translation files for the Swedish (sv-SE) language have been updated with standard texts for better readability.



2504.1.0.0

Release Note • 3/26/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, the **Default Output Quantity (Base Unit of Measure)** field value on the **Item Card** page will automatically transfer to the Aptean Shop Floor Production Power App when registering the output.

UI/UX changes

The **Default Output Quantity (Base Unit of Measure)** field has been added to the **Item Card** page.

Resolved issues

The following issue has been resolved in this release.

ID	Description
276998	The system fails to display the Default Output Quantity (Base Unit of Measure) field value on the Item Card page.



2504.0.0.0

Release Note • 3/26/2025 • 2 min read

Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension,

- You can turn on the **Input Screen Default In Batch View** toggle on the **Shop Floor Production Setup** page, the **Input** page opens with the **Batch View** toggle turned on by default.
- The system automatically updates the **Operators** field value on the production orders based on the **Default No. of Operators** field value on the **Shop Floor Production Setup** page. When changing its value, a confirmation dialog appears, allowing you to apply updates based on your selection. For more information, see [Set up shop floor production](#).

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- On the shop floor production **Input** page, when the **Batch View** toggle is turned on, the system calculates the **Planned Batches**, **Registered Batches**, and **Remaining Batches** fields based on the **Batch Qty. Rounding Precision** field configuration on the **Shop Floor Production Setup** page. These calculations are no longer derived from the **Rounding Precision** field value specified on the **Item Card** page.
- You can manually register the consumption on the **Input** page when the **Flushing Method** field value of the item is set to *Backward* on the **Prod. Order Components** page.
- You can edit the **Lot No.** field value on the **Register Output** page when the **Lot No. Profile** field is defined on the **Item Card** page and the **Lot No. Per** field value is set to *User Defined* on the **Shop Floor Production Setup** page.

UI/UX changes

The **Input Screen Default In Batch View** and **Default No. of Operators** fields have been added to the **Shop Floor Production Setup** page.



2503.5.0.0

Release Note • 3/26/2025 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
275557	The system makes the Save button inactive when a comment is entered on the Correct Consumption page, preventing from saving the consumption correction.
241089	The system fails to display the item description in the Item No. field on the Correct Output Quantity page.
262886	The system fails to translate the Create Production Order Line for Unplanned Item? dialog title, displaying it in English instead of the selected language.



2503.4.0.0

Release Note • 3/12/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- The system displays a single error notification to minimize redundant error messages if the SharePoint connect details are incorrect on the **Shop Floor Production Setup** page. You can update the required details on the **Shop Floor Production Setup** page and save the changes to access the production order without errors.
- You can specify an alternative license plate (license plates created through advanced warehouse management) during consumption correction. This ensures that corrections can be applied flexibly, with the corrected quantity moved to a specified license plate. To enable the functionality, you must configure this setting on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#) and [Correct consumption with AWM license plates](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Allow New License Plate in Consumption Correction** toggle and **Consumption Correction Reclassification Journal Template Name** field have been added to the **General** FastTab of the **Shop Floor Production Setup** page.

Note

The above changes are visible only when the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition, is installed.

- The **To License Plate** field and the **GET NEW LICENSE PLATE NO.** action have been added to the **Correct Consumption** page associated with the **Input** page.

Integrations

The Aptean Shop Floor Production (BC) extension has been integrated with the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition.

For more information, see [Integrations](#).



Resolved issues

The following issues have been resolved in this release.

ID	Description
272196	The system fails to display an error message when the work instruction fails to connect to SharePoint.
271289	The system fails to update the Registered field value with the registered output when selecting SAVE + NEW button on the Register Output page, causing the displayed quantity to remain unchanged.
270931	The system replaces the newly generated license plate with a previously assigned one when the License Plate No. or Shipping Container field value is accidentally selected after using the GET NEW LICENSE PLATE NO. action on the Register Output page.



2503.3.0.0

Release Note • 3/5/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, common warnings in various objects have been removed or marked as obsolete, as part of a code cleanup activity.



2503.2.0.0

Release Note • 2/28/2025 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
267660	The system incorrectly makes the Shop Floor Production Failure Code page available even when the Enable SFP in BC toggle on the Shop Floor Production Setup page is turned off. Additionally, the system creates a blank record when the production order is finished.
253325	The system immediately creates quality checks through the job queue without considering the recurring time, generating them more frequently than the interval specified in the Recurring Period field on the Quality Control Triggers page.



2503.1.0.0

Release Note • 2/25/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension,

- You can configure whether labels should be printed automatically when registering an output using the **Auto Print Label on Output Registration** toggle on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).
- You can enter **WIW** in the search bar to quickly find and access the **Work Instruction Worksheet** page.
- You can edit worksheet data in Excel, modify specific fields, and save the updates directly in Business Central. For more information, see [Upload work instructions to Business Central or SharePoint document library](#).
- If a work instruction file is deleted from SharePoint, its mapping data remains in the worksheet and is highlighted in red for easy identification. You can then remove the missing records manually or automatically. For more information, see [Identify missing work instruction files](#).
- When you open the **Production Orders** list page, the cursor is automatically placed in the search bar. This allows you to quickly scan a barcode or enter a production order number without additional clicks, reducing manual effort.
- The system displays "-" instead of "NaN%" on the **Input** tile when all items are set to automatic flushing, indicating 0% completion. If any items in the production order are set to manual flushing, the completion percentage will be calculated based on the registered input.

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Auto Print Label on Output Registration** toggle has been added to the **Posting** FastTab of the **Shop Floor Production Setup** page.
- An alternate search term, **WIW**, has been added for the **Work Instruction Worksheet** page.
- "NaN%" has been replaced with the "-" symbol on the **Input** tile when all items are set to automatic flushing.



2503.0.0.0

Release Note • 2/25/2025 • 1 min read

Features

With this release of the Aptean Shop Floor Production (BC) extension, the system ensures that during output registration in shop floor production, the item displays the relevant unplanned output description, including the variant code description if a variant is used, as defined on the **Unplanned Output Setup** page. For more information, see [What's new in Process Manufacturing, version 2504.0.0.0](#).



2502.4.0.0

Release Note • 2/21/2025 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
267723	The system creates duplicate status records when a new production order is opened in multiple windows, and the number of operators on the Status bar is adjusted simultaneously.



2502.3.0.0

Release Note • 2/11/2025 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can:

- View and register input components for both the main output item and its associated co-products. For more information, see [Register co-products as input](#).
- Register outputs for both the main item and co-products, ensuring accurate tracking of production progress and ledger entries. For more information, see [Register co-products as output](#).
- Configure the **Auto Refresh Interval** and **Auto Refresh Idle Timeout** fields to manage how often data refreshes and when automatic refresh pauses due to inactivity. For more information, see [Configure auto-refresh settings](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Auto Refresh Interval** and **Auto Refresh Idle Timeout** fields have been added to the **Shop Floor Production Setup** page.
- The **Refresh** icon has been added to the following pages.
 - Machine Centers
 - Work Centers
 - Production Orders list
 - Production order card
 - Input
 - Output

Resolved issues

The following issues have been resolved in this release.

ID	Description
256556	The system incorrectly allows inventory to exist in two bins simultaneously during a consumption correction, with an empty value in the Zone Code field in the positive adjustment line on the Warehouse Entries page.



258047	The system fails to populate the Consumption Reallocation Item page when an unplanned output item is added to a released production order via the Shop Floor Production page.
256544	The system does not refresh the quality check count on returning to the Shop Floor Production page after completing a quality check via the Quality Control Checks or Quality Control App page.



2502.2.0.0

Release Note • 1/29/2025 • 1 min read

Resolved issues

The following issue has been resolved in this release.

ID	Description
262827	The system allows multiple production status records to be created or updated simultaneously when the same production order is accessed in multiple windows. This results in conflicting status changes in the Shop Floor Control Status field on the Shop Floor Production Status page.



2502.1.0.0

Release Note • 1/15/2025 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, you can use the **Correct Consumption** dialog to adjust consumption entries for license plate (LP) tracked items when the Aptean Beverage [Advanced Warehouse Management](#). For more information, see [To correct consumption entries](#).

Resolved issues

The following issue has been resolved in this release.

ID	Description
257303	The system incorrectly updates the Quantity field value for non-license plates (lot-tracked) items on the Item Card page.



2502.0.0.0

Release Note • 1/10/2025 • 2 min read

Features

With this release of the Aptean Shop Floor Production (BC) extension,

- You can perform shop floor production activities in Business Central by directly accessing the **Launch Shop Floor Production** tile in the **Shop Floor Production User** role center.
- You can define the rounding precision for batch quantity fields. For more information, see [Set up shop floor production](#).
- The system supports customization through user-defined actions on specific pages. This feature enables customers or third-party developers to add their own actions to the interface using a custom-developed per-tenant extension. These actions are integrated into the Aptean Shop Floor Production (BC) extension’s user interface. If no custom actions are defined, the user interface of the extension remains unchanged without any modifications.

UI/UX changes

The following changes have been made in this release.

- The **Launch Shop Floor Production** tile and **Shop Floor Production User** role center have been added to the Role Center.
- The **Batch Qty. Rounding Precision** field has been added to the **Batching** FastTab of the **Shop Floor Production Setup** page.

Resolved issues

The following issues have been resolved in this release.

ID	Description
250106	The system allows to select the Save and Save + New buttons multiple times on the Register Output page, leading to duplicate submissions.
251061	The system creates multiple shop floor production status entries when the number of operators is increased, and the Start-Up and Production buttons on the Status bar are selected rapidly.



2501.0.0.0

Release Note • 1/8/2025 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2501.0.0.0](#).



2408.0.0.0

Release Note • 12/9/2024 • 1 min read

Features

With the features added in this release of the Aptean Shop Floor Production (BC) extension, you can:

- Generate reports such as job cards, material requisitions, shortage lists, and batch worksheets using the print function on the **Shop Floor Production** page. For more information, see [Generate reports](#).
- Use the **Default Report Selection** field to specify the default report to be generated on the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).

UI/UX changes

The following options have been added to print reports on the **Shop Floor Production** page.

- Print Job Card
- Print Mat. Requisition
- Print Shortage List
- Print Batch Worksheet



2407.1.0.0

Release Note • 12/3/2024 • 1 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) extension, when the Aptean [Advanced Warehouse Management](#) extension is installed, you can manage the source of license plate functionality. For more information, see [Set up shop floor production](#).

UI/UX changes

The **Restrict Consumption Bin** toggle has been added to the **General** FastTab of the **Shop Floor Production Setup** page.



2407.0.0.0

Release Note • 11/26/2024 • 1 min read

Features

With this release of the Aptean Shop Floor Production (BC) extension, you can correct consumption entries for manually flushed items using the **Correct Consumption** dialog. For more information, see [To correct consumption entries](#).

UI/UX changes

The **Actions** field has been added to the **Input** page.



2406.2.0.0

Release Note • 11/20/2024 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Quality Control (QCA) for Food and Beverage (BC) extension. With this release, you can navigate to quality checks on the **Quality Control App** page from production orders for streamlined quality control during production. For more information, see [What's new in Quality Control \(QCA\), version 2406.0.0.0](#).



2406.1.0.0

Release Note • 11/14/2024 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
243092	The system displays inconsistent date formats on the Register Output page. When the Business Central regional setting is configured as New Zealand (NZ), the Expiration Date field value appears in the US format (MM/DD/YYYY) on the Register Output page. However, after registering the output, the expiration date is displayed in the correct NZ format (DD/MM/YYYY) on the Output list page.
243116, 243210	The system incorrectly calculates consumption and completion percentages for components. Before the production order starts, these components appear as partially consumed, and once production begins, the percentage values on the Input page are displayed incorrectly. This issue occurs when the Quantity per field value is zero on the Prod. Order Components page.



2406.0.0.0

Release Note • 11/7/2024 • 1 min read

Features

With this release of the Aptean Shop Floor Production (BC) extension,

- You can copy the error call stack when an error occurs in the Shop Floor Production (BC) interface. Directly select the error message, and a link within the error notification will allow you to copy the call stack to the clipboard. This enhancement simplifies error reporting by enabling you to quickly capture and share the call stack with the support team, helping to streamline troubleshooting and improve issue resolution.
- The **Production Orders** list page displays production orders sorted by start date and time, from the earliest to the latest. This enhancement addresses the issue reported in bug ID 237172.

UX/UX changes

The **Sort** icon for the **Prod. Order / Quantity**, **Description / Item**, and **Status / Progress** fields has been removed on the **Production Orders** list page.



2405.0.0.0

Release Note • 11/5/2024 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the Aptean Feature Control extension. To know more, see [Highlights of Feature Control, version 2401.0.0.0](#).



2404.10.0.0

Release Note • 10/29/2024 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2404.10.0.0](#)



2404.9.0.0

Release Note • 10/28/2024 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
241415	The system incorrectly displays the License Plate No. field value by including the shipping container code on the Output page. This issue occurs while registering output with an existing license plate.
241466, 241402	The system displays incorrect planned start and end dates on the Production list and detail pages when the system time zone differs from the Central Time Zone.
240130, 240402	A deadlock error occurs when attempting to print output labels.



2404.8.0.0

Release Note • 10/24/2024 • 1 min read

Resolved issues

The following issues have been resolved in this release.

ID	Description
240033	An error related to string length occurs when posting the purchase orders created through the Subcontracting Worksheets page.
235866	An error related to string length occurs when posting the consumption on the Register Input page.



2404.7.0.0

Release Note • 10/22/2024 • 1 min read

Enhancements/Modifications

The translation files for the Danish (da-DK) language have been updated with standard texts for better readability.



2404.6.0.0

Release Note • 10/7/2024 • 3 min read

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Failure Code** page name has been renamed to **Shop Floor Production Failure Code**.
- The **Description** field has been added to the **Shop Floor Production Failure Code** page.
- The following confirmation messages have been added when turning on the **Enable SFP in BC** toggle on the **Shop Floor Production Setup** page.
 - *Ensure all work centers are stopped in the Power App version of SFP to avoid missing any quality checks before enabling this option. Do you want to continue?*
 - *Once you enable this option, you won't be able to switch back to the Power App version of SFP. Do you want to proceed?*
- The following confirmation messages displayed when the **Quality Control Extension** field is set as *Quality Control Power App* on the **Shop Floor Production Setup** page have been modified.
 - *This option cannot be turned on because the Quality Control in Power App is currently active, and it's not supported by Business Central version of SFP. To proceed, switch to Quality Control in BC.*
 - *Ensure that Quality Control in BC is installed, as Quality Control in Power App is not supported. Do you want to continue?*
- The following error messages have been removed.
 - *Not all time entries are posted for Production Order* - The validation for posting all time entries in a production order.
 - *There are unfinished production orders in the Power App version of SFP. Complete or move these orders before enabling this option in Business Central* - The validation for unfinished production orders in the Shop Floor Production Power App version.

Resolved issues

The following issues have been resolved in this release.

ID	Description
223512	The Weight qty. to subtract (KG) field value is incorrectly calculated for catch weight items on the Correct Output Quantity dialog.



225740	The system fails to create a quality control check when posting the output if the Trigger Action field is set to <i>Post</i> on the Quality Control Trigger Actions page.
235041	The system fails to filter the component lines based on the routing link code value on the Input page.
224664	The system allows to edit the Expiration Date field on the Output page, even when it should be non-editable.
224775	The system fails to automatically populate the Expiration Date field value based on the selected lot number when registering additional outputs on the Output page.
225139	The system incorrectly displays the Weight Quantity (KG) field value after the first output registration when the Lot No. per field is set to <i>User Defined</i> , and the item catch weight setup is <i>Fixed</i> .
224477	The Shipping Container field value gets deleted on the Register Output page. This issue occurs after generating the new license plate number and selecting the shipping container code.
237856	The system fails to open the production order on the Shop Floor Production page when the routing code includes a special character such as <i>/</i> .
237863	The system fails to route label printing to the designated printer based on the machine center configuration on the Label Printer Setup page.



2404.5.0.0

Release Note • 9/24/2024 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Aptean Shop Floor Production extension. To know more, see [What's new in Shop Floor Production, version 2404.5.0.0](#).



2404.4.0.0

Release Note • 9/19/2024 • 1 min read

Enhancements/Modifications

This extension has been updated to ensure interoperability with the recent changes in the Apteian Quality Control (QCA) extension for BC. To know more, see [What's new in Quality Control \(QCA\) for BC, version 2403.3.0.0](#).



2404.3.0.0

Release Note • 9/17/2024 • 2 min read

Enhancements/Modifications

With this release of the Aptean Shop Floor Production (BC) we bring the Shop Floor Production application from PowerApp platform to Business Central environment. With this app you can:

- View the total number of production orders associated with a work center or machine center. To know more, see [View the released production orders in a work center/machine center](#).
- Collectively read the overview of the production order details. To know more, see [Production order overview](#).
- Register the consumption and view the input components. To know more, see [Registration of input](#).
- Register the output and view the posted output. To know more, see [Registration of output](#).
- Create quality checks for the order during the start and end of the work center. To know more see [Creation of quality checks in work center](#).
- Register the co-product associated with the production BOM. To know more, see [Register Co-Product](#).
- Define the code and reason for the production order failure. To know more, see [Track and record production failure](#).
- Print labels for the output registered items along with comments and license plate information. To know more, see [Print Labels](#).

UI/UX changes

The following UI/UX changes have been made in this release.

- The **Office365 Users (Related > Work Ctr. > Office365 Users)** action has been removed from the **Work Center Card** page.
- The **Shop Floor Users (Work Center > Shop Floor Users)** action has been added to the **Work Center Card** page.
- The **Active** toggle has been added to the **General** FastTab of the **Work Center Card** page.
- The **Shop Floor Production Comment** card page has been added. This card page is associated with the **Comment** field on the **Shop Floor Production Comments** page.

Resolved issues

The following issue has been resolved in this release:



ID	Description
232068	The system fails to update the date format in date fields on the Register Input and Register Output pages when the Region field is changed to any option other than <i>English (United States)</i> in the My Settings dialog.



Introduction

Article • 3/28/2025 • 1 min read

The Apteian Shop Floor Production BC (SFP) extension for Microsoft Dynamics 365 Business Central streamlines the management of production orders by registering their input and output. It displays details, work instructions, and comments per production order, enabling users to track and indicate the order's status, whether it is starting up, paused, or experiencing a failure.

With this extension, you can track order status, log time entries, and visualize progress. It also includes features for triggering quality checks, scanning barcodes or QR codes for lots and license plates, printing labels, and displaying packaging details. This comprehensive approach, built within Microsoft Dynamics 365 Business Central, ensures an efficient, user-friendly experience and enhances accuracy in production operations.

Important

- The Apteian Shop Floor Production Power App is no longer supported. The Power App can still be used, but Apteian will no longer support new features, and the stability of the Power App can no longer be guaranteed.
- To set up and use the Apteian Shop Floor Production Power App, refer to the Apteian [Shop Floor Production](#) extension documentation for configuration steps and operational guidance.



Setup

Article • 11/6/2025 • 1 min read

The following setups are required.

- [Manage permission sets](#)
- [Set up shop floor production](#)
- [Set up work centers](#)
- [Set up work instructions](#)
- [Configure auto-refresh settings](#)
- [Configure production order reports](#)
- [Routing line for labor costs](#)
- [Set up production failures](#)
- [Set up labels](#)



Manage permission sets

Article • 12/27/2024 • 3 min read

Permission sets in Business Central define a user's access level to various features and data within this extension.

We provide the following system permission sets:

- Direct
- Indirect

Direct permission sets

Users with this permission set can perform specific actions directly without requiring additional approvals or workflows. These sets include permissions to read, modify, delete, and create data.

The direct permission set ID for this extension is *SHOPFLPRODFDW*.

Indirect permission sets

Users with this permission set can perform specific actions. This is used in conjunction with other permission sets to allow you to perform certain actions. These permissions typically involve additional conditions or approvals before the action can be completed.

The indirect permission set ID for this extension is *SHOPFLPRODBASICFDW*.

User-defined permission sets

In addition to the system permission sets we provide, you can create new permission sets or copy system permission sets and modify or delete access to specific entities according to your requirements. For more information, see [Assign permissions to users and groups](#).

Assign a permission set

1. Select the Search icon , enter **Users**, and then choose the related link.
The **Users** list page opens.
2. Navigate to the username for which you want to assign the permission set and select it.
The **User Card** page opens.
3. On the **User Permission Sets** FastTab, in the **Permission Set** field, enter the valid permission set for this extension.



Shop Floor Production

The associated fields are automatically updated based on the entered value.

The user now has the necessary permissions to use the features of the Aptean Shop Floor Production (BC) extension, ensuring secure and role-based access.



Set up shop floor production

Article • 7/22/2026 • 17 min read

The following steps outline the shop floor production setup. Select the Search icon , enter **Shop Floor Production Setup**, and then choose the related link.

The **Shop Floor Production Setup** page opens.

General

1. Enter a value in the **Date Formula Show Prod. Orders** field to define the period length used to determine which production orders are visible in Shop Floor Production. This field accepts standard date formulas from Dynamics 365 Business Central. If the field is left blank, the system will use one day as the default period.
2. In the **Default No. of Operators** field, select the value to update the **Operators** field value on production orders automatically. The default value of this field is *1*.

Note

When changing the **Default No. of Operators** value, a confirmation dialog appears:

- Selecting **Yes** updates the **No. of Operators** field for all production orders with the status *Not Started* to the new default value.
- Selecting **No** does not update any existing production orders, and the new default value will only apply to newly created production orders.

When the **Default No. of Operators** field is set to *Concurrent Capacities*, the **No. of Operators** value is derived from the **Concurrent Capacities** field on the **Prod. Order Routing** page. If the **Concurrent Capacities** value is a decimal number, the **No. of Operators** field on the **Input** page will display *0*.

3. In the **Job Queue Category Code** field, choose the code from the dropdown menu which is used for the Job Task that creates recurring Quality Checks.
4. In the **Display Barcode on Production Order Screen** field, select an option from the dropdown to specify the type of barcode to be displayed on the **Production Order** screen of the Shop Floor Production. The options are:
 - *Do not display* – In this case, neither barcode nor QR code will be displayed on the **Production Order** screen.
 - *Display Barcode* – A barcode will be displayed on the **Production Order** screen.
 - *Display QR Code* – A QR code will be displayed on the **Production Order** screen.
5. When the **Allow Manual Input of License Plate Number** toggle is turned on, the **License Plate No.** field on the **Register Output** screen of Shop Floor Production can be entered manually for a license plate tracked item.



Note

Using the manual mode, you can enter any license plate number. Use caution to input accurate information and avoid potential issues.

6. In the **Output Display Mode** field, select how registered output quantities are shown on the **Output** tile for multi-stage production orders. The available options are:

- *Total* – The Output tile shows the aggregated finished goods quantity for the entire production order. This is the default value.
- *Routing Specific* – The Output tile shows the output quantity registered at the routing line associated with the current work center. For non-final routing lines, the registered quantity is based on Capacity Ledger Entries. For the final routing line, the registered quantity is based on Item Ledger Entries for finished goods output.

Note

The system determines whether a routing line is the final routing line by checking whether it has the highest **Operation No.** in the routing. This field does not apply to family production orders, which always show the total output quantity.

7. Turn on the **Allow Edit Lot Production Date** field to allow manual editing of the lot production date in the production order details and output registration. When the field is turned off, the lot production date is visible in lists but not editable. This field is visible only when the Aptean [Expiration Management](#) extension is installed. For more information, see [Register output](#).

8. Turn on the **Restrict Consumption Bin** toggle to restrict available inventory for consumption to only the bin specified on the production order component line.

9. In the **Default Report Selection** field, select the desired option to generate reports. The available options are:

- Job Card
- Mat. Requisition
- Shortage List
- Batch Worksheet
- Report Selection

The default value is set as *Job Card*. For more information, see [Generate reports](#).

Note

The *Batch Worksheet* option is visible only when the Aptean [Process Manufacturing](#) extension is installed.



10. In the **Auto Refresh Interval** field, enter the desired time interval in seconds to refresh data on the **Shop Floor Production** page automatically.
11. In the **Auto Refresh Idle Timeout** field, enter the desired idle timeout in minutes, after which automatic refresh will be suspended. For more information, see [Configure auto-refresh settings](#).
12. In the **Default Search Behavior Navigation** field, select the appropriate option from the dropdown. This setting determines which screen you are taken to when searching for a production order in Shop Floor Production. When you enter a keyword in the search bar and press Enter, the system redirects you based on the selected navigation behavior:
 - *Production Order* - Opens the **Production Order Overview** page.
 - *Input* - Opens the **Register Input** page. If multiple components are found, the **Input** list page is displayed.
 - *Output* - Opens the **Register Output** page. If multiple outputs are found, the **Output** list page is displayed.

 Note

- This functionality works when you enter a production order number and press **Enter** in the search bar. If you don't press **Enter**, the search bar functions as a filter. This behavior also supports the use of wedge scanners to scan barcodes of production order numbers.
- You can scan production orders with statuses other than *Production*, but you must change the status to *Production* before registering inputs or outputs.

13. Turn on the **Prevent Finish Navigation** toggle to stay on the production order after marking it as *Finished* when selecting the **Finish** button. The system refreshes the production order instead of navigating back to the **Production Orders** list page. You can perform follow-up tasks, such as reviewing quality checks or printing instructions, without leaving the page.

Finished production orders opened from the **Production Orders** list view directly open in read-only mode with only relevant actions enabled (For example, PO details, work instructions, and quality checks).

 Note

When a production order is marked as *Finished* using the **Finish** button, the button label automatically changes to **Reopen**. Users can select the **Reopen** button to reopen the finished order and perform specific actions such as reviewing quality checks or making further updates.

14. Turn on the **Disable Registration Correction** toggle to globally prevent shop floor users from correcting previously registered consumption or output. You can override this option per user/work center combination. For more information, see [Set up work centers](#).
15. Turn on the **Disable Auto Focus on Search Bar** toggle to prevent Shop Floor Production from automatically placing the cursor in the search bar on the **Production Order List** page.
16. Turn on the **Enable SFP in BC** toggle to enable the Aptean Shop Floor Production extension features in Business Central and disable the Shop Floor Production Power App.



For more information, see [Migrate from Aptean Shop Floor Production Power App](#).

Quality Control

1. In the **Max Recurring Quality Checks** field, enter the number of recurring quality checks that may exist in an open status per production order routing line and quality trigger. When the maximum number is reached, no new recurring quality checks are created for the routing line by the Aptean [Quality Control](#) extension. If the value entered is zero, there is no limit to the maximum number of quality checks. The maximum value applies to both trigger actions Recurring (Time) and Recurring (Output Quantity).

Note

There are two versions of the **Max Recurring Quality Checks** option depending on which Quality Control app is installed.

2. Turn on the **Limit Quality Check Count by Work Center** to only show quality checks matching the user's work center on the **Quality Check** tile.
3. In the **Default QC Team** field, select the quality control team that is pre-populated when an ad-hoc quality check is created from the **Production Order Overview** page in Shop Floor Production. The user can change the team in the ad-hoc quality check modal. This field is visible only when the Aptean [Quality Control \(BC\)](#) extension is installed. For more information, see [Integration with Aptean Quality Control \(BC\)](#).

Outputs

1. In the **Lot No. Per** field, choose how a lot number is assigned to output lines during output registration:
 - *Production Order*: The same lot number is assigned to all output lines in the production order.
 - *Output Journal*: A different lot number is assigned to each output registration in the production order.
 - *User Defined*: This method offers more flexibility. You can manually change the suggested lot number on the **Register Output** page using the **Generate new lot no.** button.

Note

If the **Manual Nos.** checkbox is selected on the **No. Series** page of the lot number setup, users can manually edit the lot number on the **Register Output** page in Shop Floor Production.

When an item with a lot number profile is produced, the lot number assigned to the related output lines is based on the lot number profile setup. For more information, see [Create Lot No. with Lot No. Profile](#).

You can also configure lot number persistence behavior for individual items. In the **Lot No. Per** field on the **Replenishment** FastTab of the **Item Card** page, select the lot number assignment method for a specific item.



When configured, the item-level setting overrides this global setting during output registration. When the **Lot No. Per** field value on the **Item Card** page is left blank, this global setting applies.

2. Use the **Output Lot Preview** field to control when lot numbers are retrieved from the number series during output registration:

- *Increment No. Series*: The lot number is retrieved and reserved immediately when the **Register Output** page opens. The number series increments each time, based on the **Lot No. Per** setting above.
- *Peek No. Series*: The **Lot No.** field displays the next available number from the series, but does not reserve it until the registration is posted.

 Important

When using *Peek No. Series*, if another process registers a lot number before you complete your registration, the displayed lot number may no longer be available. A different lot number will be assigned when you post.

- *None*: The **Lot No.** field remains empty when the **Register Output** page opens.

 Note

- When the **Lot No. Per** field value is set to *Production Order* or *Output Journal*, trying to select the *None* option in the **Output Lot Preview** field will yield an error.
- When the **Lot No. Per** field value is set to *User Defined*, trying to select the *Peek No. Series* option in the **Output Lot Preview** field will yield an error.

9. In the **Output Expiration Date Calc.** field, select an option by which the expiration date is calculated in Shop Floor Production. The options are:

- *Routing Start Date* – The expiration date will be calculated based on the date value in the **Starting Date –Time** field of the last routing line in the **Prod. Order Routing** page associated with the production order line.
- *Posting Date* - The expiration date will be calculated based on the work date.
- *Item Expiration Setup* - The expiration date is calculated based on the selection made in the expiration setup for specific items. This option is available only when the Aptean [Expiration Management](#) extension is installed in conjunction with the Aptean Shop Floor Production extension. To know more, see [Item Expiration Setup](#).

10. Turn on the **Allow Edit of Output Bin** field to let users change the output bin during production output registration in Shop Floor Production. When the field is turned on, users can select any valid bin at the location; when it is turned off, the bin code from the production order line is used. For more information, see [Register output](#).



Lot Attributes

The **Lot Attributes** FastTab is visible only when the Aptean [Advanced Attributes](#) extension is installed.

1. In the **Display Lot Attribute 1** field, select the first attribute to display when registering consumption in Shop Floor Production.
2. In the **Display Lot Attribute 2** field, select the second attribute to display when registering consumption.
3. In the **Display Lot Attribute 3** field, select the third attribute to display when registering consumption.

The selected attribute values appear below the standard quantity, expiration date, and bin details in the consumption **Lot No.** dropdown on the **Register Input** page. For more information, see [Register consumption](#).

Performance

1. Turn on the **Hide Image Previews in SFP** toggle to replace images of items with simple placeholder icons to reduce loading time in the **Production Orders** list page.
2. Turn on the **Enable Row Virtualization** toggle to improve performance when you work with large production order lists. The system renders only the visible rows on the **Production Orders** list page, which makes scrolling and navigation faster.
When the toggle is turned off, the system automatically scrolls to the previously selected production order when returning to the **Production Orders** list page.

Posting

1. In the **Output Journal Template Name** field, select the journal template to use for posting output and time entries.
2. In the **Time Entries Error Journal Batch Name** field, select the error journal batch to use for storing time entries which error during posting.
3. In the **Consumption Journal Template Name** field, select the journal template to use for posting consumption.
4. Turn on the **Post Time Shop Floor** toggle to require the posting of time entries as capacity entries. See [shop floor production registration entries](#) for more information.
5. In the **Production Registration Entry Nos.** field, select the number series to be used when shop floor production registration entries are created.
6. In the **Capacity Unit of Measure Minutes** field, select the Unit of Measure Code which reflects minutes. The labor durations stored on time entries from Shop Floor Production are in minutes.

When you execute the **Post Shop Floor Production Time Entries** action for a released production order, the system uses the **Capacity Unit of Measure** value configured on the related work center. The system then calculates the



labor cost by multiplying the labor duration by the direct unit cost configured on the labor work center.

7. Turn on the **Auto Print Label on Output Registration** toggle to automatically select the **Print Label** checkbox on the **Output Registration** page, ensuring labels are printed upon output registration. If you prefer not to print labels automatically during production, you can manually deselect the checkbox during output registration.

8. In the **Consumption Correction Destination Bin** field, select where the system will return product after a consumption correction. The available options are:

- *Component Bin*: Returns the product to the bin defined on the production order component line.
- *Original Bin*: Returns the product to the bin from which it was most likely consumed. The system uses a best-match approach to determine the bin, based on attributes such as item number, variant code, lot number, location code, and production order details on the **Warehouse Entries** page. While the selected bin is typically accurate, this method does not guarantee an exact match to the original bin used during consumption.

Note

If the **Restrict Consumption Bin** toggle is turned on, you cannot change the **Consumption Correction Destination Bin** field value. The system defaults to the *Component Bin* option. You must turn off the **Restrict Consumption Bin** toggle to make changes in the **Consumption Correction Destination Bin** field.

9. Turn on the **Allow New License Plate in Consumption Correction** toggle to specify whether a new license plate can be assigned during consumption correction instead of the license plate used in the original consumption. The system applies the correction to the original license plate and then moves the corrected quantity to the specified license plate.

10. In the **Consumption Correction Reclassification Journal Template Name** field, select the name of the journal template used for posting reclassification journal entries related to consumption correction.

Note

The above toggle and field are visible only when the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition, is installed.

13. In the **License Plate Consumption Mode** field, you can specify how the system processes **entire** license plate consumption for production orders. The available options are:

- *Disabled*: The + **LICENSE PLATE** button is hidden, and the entire license plate consumption feature cannot be used.
- *Strict*: The system prevents posting if any item or quantity differs from the production order component requirements.
- *Allow Quantity Difference*: The system registers the quantities on the license plate exactly, allowing over- or under-consumption.



- *Expect GS1:* The system will expect a GS1-compliant barcode to pre-populate input registration fields including lot number, license plate number, quantity, and/or weight.
- *Custom:* The system will open a basic text input dialog, and custom logic defined in a per-tenant extension handles parsing the barcode and pre-populating input registration fields.

To know more, see [Consumption by entire license plate](#).

19. In the **Default GS1 Quantity** field, enter a value to pre-populate the **Input Registration** page with a quantity if one hasn't been included in the GS1 barcode.

Batching

1. Turn on the **Default Batch Consumption Quantity** toggle to auto-populate the batch quantity of the component during input registration on shop floor production.
2. Turn on the **Default Batch Output Quantity** toggle to auto-populate the batch quantity of the production order line during output registration on shop floor production.
3. In the **Batch Consumption Quantity Warning** field, you can specify whether to display a warning message if the entered consumption quantity does not match the defined batch quantity for the component line.
4. In the **Batch Output Quantity Warning** field, you can specify whether to display a warning message if the entered output quantity does not match the defined batch quantity for the production order line.
5. In the **Batch Qty. Rounding Precision** field, enter the number of decimal places to round batch quantities, which will be displayed on the corresponding pages related to the shop floor production process.

The rounding precision applies to the batch quantity fields across the following pages:

- Production order list
- Input list
- Register Input
- Register Output

Note

- Enter a value between 0 and 5 decimal places. Common values include 0 (no decimal places), 0.1, 0.01, 0.001, 0.0001, and 0.00001. A value of 0 will set the rounding precision to the highest level (for example, 0.00001).
- The rounding precision does not apply to the default value of the **Quantity (UOM)** field on the **Register Input** page.

6. Turn on the **Input Screen Default In Batch View** toggle to open the **Input** page with the **Batch View** toggle turned on by default.



On the shop floor production **Input** page, when the **Batch View** toggle is enabled, the system calculates the **Planned Batches**, **Registered Batches**, and **Remaining Batches** fields based on the **Batch Qty. Rounding Precision** field configuration on the **Shop Floor Production Setup** page. These calculations are no longer derived from the **Rounding Precision** field value specified on the **Item Card** page.

Work Instructions

1. Use the **Utilize Graph API for SharePoint connection** toggle to choose between using delegated permissions and application permissions via the Graph API. The system uses delegated permissions by default, but you can switch to application permissions based on your requirements.

Refer to the following points to understand the difference between delegated and application permissions.

- Delegated Permissions: SharePoint is accessed on behalf of the signed-in user. The user must have direct access to the SharePoint site and its contents.
- Application Permissions: SharePoint is accessed independently of the signed-in user, using a registered app. The app must have permission to access the SharePoint site, even if the user does not.

If the toggle is turned on, the system retrieves work instructions using the Graph API. Changing the connection method clears existing SharePoint connection information.

If the toggle is turned off, the system retrieves work instructions using the existing SharePoint connection.

Note

- This toggle is visible only when the **Enable SFP in BC** toggle is turned on.
- Always run the **Work Instruction Connection Assisted Setup** wizard after switching to application permissions to re-establish the SharePoint link.

2. In the **SharePoint Tenant ID** field, enter the Azure AD tenant ID or domain for the SharePoint tenant. Use this when the SharePoint site belongs to a different organization than the Business Central environment. Leave the field empty to use the default tenant. Examples: *contoso.onmicrosoft.com* or a GUID such as *12345678-1234-1234-1234-123456789012*.

Note

When this field is left empty, the SharePoint app registration is resolved in the same tenant as the Business Central environment. When the field contains a value, the connection resolves the app registration in the specified tenant — the app registration must exist in that tenant with the required SharePoint API permissions, and admin consent must be granted there.

3. In the **Client ID** field, enter the unique identification number assigned to the application user.



4. In the **Client Secret** field, enter the secure credentials applications to authenticate and authorize access Azure resources.
 5. In the **Site URL** field, enter the SharePoint webpage address which contains the instructions document library.
 6. In the **Document Library Name** field, enter the document library name containing the work instruction PDFs or specify where you want to store them.
- For more information, see [Set up work instructions](#).



Set up work centers

Article • 1/28/2026 • 5 min read

To register input and output in Shop Floor Production, work centers must be visible. You can specify whether a Work Center should be visible in Shop Floor Production on a per-Work Center basis. When using machine centers, the machine center follows the setting of the linked work center.

Furthermore, only users who have been assigned to a Work Center can access it within the app.

Show work centers in Shop Floor

To enable a work center to be utilized in Shop Floor Production, perform the following: 1. Select the Search icon , enter **Work Centers**, and then choose the related link.

The **Work Centers** list page opens. 2. Select the desired **No.**

The **Work Center Card** page opens. 3. On the **General** FastTab, turn on the **Show in Shop Floor** toggle to make the work center visible in Shop Floor Production.

Set up users per work center

In addition to setting the work center to show in Shop Floor, individual users must also be set up with access to view individual work centers. Without user-level access, even a Shop Floor enabled work center will not be visible.

You can assign a user to a work center directly from the **Work Center Card** page via the **Shop Floor Users** action.

1. Select the Search icon , enter **Work Centers**, and then choose the related link.

The **Work Centers** list page opens.

2. Select the desired **No.**

The **Work Center Card** page opens.

3. On the action bar, select **Work Center > Shop Floor Users**.

The **Shop Floor Users** list page for the selected work center opens.

4. In the **User** field, enter or select the desired user ID.

The **Work Center No.** field is automatically populated with the respective work center.

5. In the **Default Search Behavior Navigation** field, select the desired option to override the global default search behavior navigation for this user and work center.

6. In the **Disable Registration Correction** field, select the desired option to override for the user and work center the global setting to disable the ability to perform registration corrections.

The user is now set up to utilize this work center in Shop Floor Production. When a work center is deleted, all the users linked to the respective work center also get deleted.



 Note

You can view the list of all work centers and assigned users on the **Shop Floor Users** list page when opened through the tell me function.

Other work center settings

Other settings on the **Work Center Card** help define that work center's behavior in Shop Floor Production.

1. On the **General** FastTab, the value of the **Active** toggle is inherited based on the **Status** toggle for this work center on the **Work Center List** page in Shop Floor Production.
2. On the **Posting** FastTab, set the **License Plate Consumption Mode** option to override the value on the **Shop Floor Production Setup** page to determine how this work center consumes entire license plates. If this option is blank, the global setup value will be used.

 Note

To perform all shop floor operations on a mobile device, a **Dynamics 365 Business Central Device license** is required. Alternatively, users with a **Dynamics 365 Business Central Premium license** can also perform the shop floor activities, along with access to the full suite of Business Central functionalities.



Set up work instructions

Article • 7/22/2026 • 3 min read

--- title: "Work instructions" date: 2025-11-06 draft: false

Work instructions are essential resources for the Aptean Shop Floor Production (BC) extension and are primarily designed to be managed and stored within SharePoint. The system connects to SharePoint via an app registration in the Azure portal, which acts as a bridge using a client ID and client secret. These instructions can be associated specifically with items or work centers within the Business Central environment, allowing them to be displayed based on operational requirements.

Setting up work instructions requires two main steps:

- 1. **Register an application in Azure** — Create an app registration that allows Business Central to communicate with SharePoint.
- 2. **Configure Business Central** — Enter the connection credentials and link the SharePoint document library to the extension.

The specific steps for each depend on the permission type you choose.

Choose a permission type

Before you begin setup, determine whether to use delegated or application permissions. This choice affects how users access work instruction files and which setup steps you follow.

Criteria	Delegated permissions	Application permissions
How it works	The application acts on behalf of a signed-in user. Users can only access work instruction files they have permission to view in SharePoint.	The application acts independently using its own identity. Work instructions are accessible regardless of the user's SharePoint permissions.
Admin consent	Not required, but recommended for convenience.	Required. An administrator must grant consent for the app registration.
BC setup method	Manually enter the Client ID, Client Secret, Site URL, and Document Library Name on the Shop Floor Production Setup page.	Use the Work Instruction Connection Setup assisted setup wizard, which automatically populates the connection fields.



Best for	Environments where work instruction access should respect each user's SharePoint permissions.	Environments where all shop floor users should see all work instructions, regardless of their SharePoint access.
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For more information about permission types in the Microsoft identity platform, see [Permissions and consent in the Microsoft identity platform](#).

Next steps

Follow the setup path that matches your chosen permission type:

Delegated permissions (two steps):

1. [Register the app with delegated permissions](#) — Create the Azure app registration and configure delegated API permissions.
2. [Configure the Shop Floor Production Setup page](#) — Enter the connection credentials in Business Central.

Application permissions (two steps):

3. [Register the app with application permissions](#) — Create the Azure app registration and configure application API permissions.
4. [Set up the SharePoint connection using assisted setup](#) — Run the wizard to connect Business Central to SharePoint.

After completing either path, see [Work instruction worksheet and migration](#) to upload and manage your work instruction files.



Delegated permissions app registration

Article • 4/22/2026 • 20 min read

This page describes how to register an application in the Azure portal using **delegated permissions**. With delegated permissions, the application acts on behalf of a signed-in user, meaning users can only access work instruction files they have permission to view in SharePoint.

If you want all shop floor users to access work instructions regardless of their SharePoint permissions, see [Application permissions](#) instead.

Note

The delegated permissions method supports SharePoint document libraries with up to 5,000 work instruction files. If your library exceeds this limit, a server error occurs when loading work instructions. To support larger libraries, use [Application permissions](#) instead.

Prerequisites

- Set up and configure App registration in Azure Portal. This acts as a bridge between Business Central and SharePoint.
- SharePoint site and its associated document library.
- Configure the **Shop Floor Production Setup** page in Business Central.

To connect Aptean Food and Beverage to SharePoint, you need the following information:

- Client ID of the app registration
- Client secret of the app registration
- SharePoint URL
- Document library name

After completing these steps, upload your PDF work instructions and assign each document to a specific work center and item in Business Central.

App registration

To get started, follow the steps below:

1. Open the [Azure Portal](#) and log in with your credentials.
2. Once logged in, select the **All Services** menu.



The **All services** page opens.

3. On the search bar, enter **App registrations** and then select the related link from the results.

4. On the **App registration** page, select **New registration**.

5. In the **Name** field, enter the name of the desired application.

6. In the **Supported account types** field, select *the Accounts in this organizational directory only (...)* option.

7. In the **Redirect URI (Optional)** section, in the **Select a platform** dropdown, select *Web*.

8. Enter `https://businesscentral.dynamics.com/OAuthLanding.htm` as the redirect URL.

9. Select **Register** to complete the application registration process.

Your desired application has been registered. You can view the client ID and the related information on the page. Make sure to note this value, as it will be required later in the setup process.

10. On the menu bar, select **Certificates & secrets**.

11. Select **New client secret**.

The **Add a client secret** window opens.

12. In the **Description** field, enter a description for the client secret.

13. In the **Expires** field, select the desired expiration period for the client secret.

14. Select **Add**.

15. After the secret is added, copy the data in the **Value** field to your clipboard from the **Client secrets** tab. Make sure to save this value, as it is needed later in the setup. Once you navigate away, it is no longer visible. If the secret value is lost, create a new secret key.

16. On the menu bar, select **Overview**.

Configure API permissions

To configure the necessary API permissions, follow these steps:



On the menu bar, select **API permissions**.

Add Microsoft Graph permissions for sites

1. Select + **Add a permission**.

The **Request API permissions** page opens.

2. On the **Request API permissions** page, select **Microsoft Graph > Delegated permissions**.

3. In the **Select permissions** filter, enter *Sites* to view the list of permissions for sites.

4. Select the **Sites.ReadWrite.All** checkbox.

5. Select **Add permissions**.

Add Microsoft Graph permissions for user

1. Select + **Add a permission**.

2. Select **Microsoft Graph > Delegated permissions**.

3. In the **Select permissions** filter, enter *User* to view the list of permissions for user.

4. Select the **User.Read** checkbox.

5. Select **Add permissions**.

Add SharePoint permissions for all sites (Read)

1. Select + **Add a permission**.

The **Request API permissions** page opens.

2. On the **Request API permissions** page, select **SharePoint > Delegated permissions**.

3. In the **Select permissions** filter, enter *All Sites* to view the list of permissions for all sites.

4. Select the **AllSites.Read** checkbox.

5. Select **Add permissions**.



Add SharePoint permissions for all sites (Write)

1. Select + **Add a permission**.
2. Select **SharePoint > Delegated permissions**.
3. In the **Select permissions** filter, type *All Sites* to view the list of permissions for all sites.
4. Select the **AllSites.Write** checkbox.
5. Select **Add permissions**.

Once all the necessary permissions are added, your API permissions will be configured.

App registration is complete. Make sure to record the following two fields to proceed:

- Client ID
- Secret Value

Note

Admin consent is not required but providing it can make the setup process more convenient.

Next step

After completing the app registration, proceed to [Set up work instructions in shop floor production](#) to configure the connection in Business Central.



Delegated permissions BC setup

Article • 5/27/2026 • 2 min read

This page describes how to configure the SharePoint connection in Business Central for the **delegated permissions** setup. Before proceeding, complete the [delegated permissions app registration](#) in the Azure portal.

Using the SharePoint Tenant ID, Client ID, client secret, SharePoint URL, and document library name from the app registration, configure the **Shop Floor Production Setup** page in Business Central.

1. Open the **Shop Floor Production Setup** page.
2. On the **Work Instructions** FastTab, in the **SharePoint Tenant ID** field, enter the Azure AD tenant ID or domain for the SharePoint tenant. Use this when the SharePoint site belongs to a different organization than the Business Central environment. Leave the field empty to use the default tenant. Examples: *contoso.onmicrosoft.com* or a GUID such as *12345678-1234-1234-1234-123456789012*.
3. In the **Client ID** field, enter the unique identification number assigned to the application user.
4. In the **Client Secret** field, enter the secret credentials to authenticate and authorize access to Azure resources.
5. In the **Site URL** field, enter the SharePoint site URL where the document folder is created.
6. In the **Document Library Name** field, enter the document library name containing the work instruction PDFs or specify where you want to store them.

Note

Create a direct folder on SharePoint and save all files in PDF format within it. Subfolders are not supported.

Note

When the **SharePoint Tenant ID** field is left empty, the SharePoint app registration is resolved in the same tenant as the Business Central environment. When the field contains a value, the connection resolves the app registration in the specified tenant — the app registration must exist in that tenant with the required SharePoint API permissions, and admin consent must be granted there.

Next step

After configuring the setup, see [Work instruction worksheet and migration](#) to upload and manage your work instruction files.



Application permissions app registration

Article • 11/6/2025 • 9 min read

This page describes how to register an application in the Azure portal using **application permissions**. With application permissions, the application acts independently using its own identity, meaning work instructions are accessible to all shop floor users regardless of their individual SharePoint permissions.

If you want work instruction access to respect each user's SharePoint permissions, see [Delegated permissions](#) instead.

Prerequisites

For application permissions, you do not need to manually enter the SharePoint URL or document library name on the **Shop Floor Production Setup** page. Instead, the recommended approach is to run the **Work Instruction Connection Setup** wizard after completing the app registration, which automatically populates these fields. You must still enter the **Client ID** and **Client Secret** field values on the **Shop Floor Production Setup** page.

For application permissions, follow the same steps described in the [App registration](#) section to register the application in the Azure portal.

Configure API permissions

To configure the necessary API permissions, follow these steps:

On the menu bar, select **API permissions**.

Add Microsoft Graph permissions for sites

1. Select + **Add a permission**.

The **Request API permissions** page opens.

2. On the **Request API permissions** page, select **Microsoft Graph** > **Application permissions**.

3. In the **Select permissions** filter, enter *Sites* to view the list of permissions for sites.

4. Select the **Sites.ReadWrite.All** checkbox.

5. Select **Add permissions**.



Add Microsoft Graph permissions for user

1. Select **+ Add a permission**.
2. Select **Microsoft Graph > Application permissions**.
3. In the **Select permissions** filter, enter *User* to view the list of permissions for user.
4. Select the **User.Read.All** checkbox.
5. Select **Add permissions**.

Add SharePoint permissions for all sites (Read)

1. Select **+ Add a permission**.
The **Request API permissions** page opens.
2. On the **Request API permissions** page, select **SharePoint > Application permissions**.
3. In the **Select permissions** filter, enter *Sites* to view the list of permissions for all sites.
4. Select the **Sites.Read.All** checkbox.
5. Select **Add permissions**.

Add SharePoint permissions for all sites (Write)

1. Select **+ Add a permission**.
2. Select **SharePoint > Application permissions**.
3. In the **Select permissions** filter, type *Sites* to view the list of permissions for all sites.
4. Select the **Sites.ReadWrite.All** checkbox.
5. Select **Add permissions**.

Once all the necessary permissions are added, your API permissions will be configured.

App registration is complete. Make sure to record the following two fields to proceed:

- Client ID
- Secret Value



 Note

Admin consent is required for the application registration to function correctly.

Next step

After completing the app registration, proceed to [Set up SharePoint connection using assisted setup](#) to run the wizard that connects Business Central to SharePoint.



Application permissions BC setup

Article • 6/4/2025 • 3 min read

This page describes how to configure the SharePoint connection in Business Central for the **application permissions** setup. Before proceeding, complete the [application permissions app registration](#) in the Azure portal.

The **Work Instruction Worksheet Assisted Setup** wizard provides a guided, user-friendly method to configure the SharePoint connection for shop floor production using Graph API. It allows you to enter connection credentials, select a SharePoint site and document drive, and then confirms successful integration.

Prerequisites

- The **Utilize Graph API for SharePoint** connection toggle on the **Shop Floor Production Setup** page must be turned on.
- You must have the **Client ID** and **Client Secret** from the application registration.
- If the SharePoint site you are connecting to is in a different Azure AD tenant than the one running Business Central, populate the **SharePoint Tenant ID** field on the **Work Instructions** FastTab of the **Shop Floor Production Setup** page before running the wizard. The wizard uses this value to resolve the app registration in the external tenant. Leave the field empty to use the default tenant.

Run the assisted setup wizard

1. Open the **Assisted Setup** page and then select the *Set up Shop Floor Production Setup* title.
The **Work Instruction Worksheet Assisted Setup** wizard opens.
Alternatively, you can access the **Work Instruction Worksheet Assisted Setup** wizard by selecting **Related > Work Instruction Connection Setup** on the action bar of the **Shop Floor Production Setup** page.
2. Select **Next**.
3. On the **Connector Integration** section, in the **SharePoint Application Client ID** field, enter the client ID used to authenticate the connection between shop floor production and SharePoint.
4. In the **Client Secret** field, enter the secure credentials to authenticate and authorize access to Azure resources.
5. Turn on the **Allow HTTP Client Requests** toggle to allow the extension to communicate with SharePoint using the HTTP Client data type, especially when connecting to SharePoint via Graph API.
The wizard retrieves a list of SharePoint sites associated with your tenant.
6. In the **SharePoint Site Selection** section, select the desired SharePoint site from the list.
7. Select **Next** to continue.
The wizard queries the selected site for available document libraries (drives).
8. In the **SharePoint Drive Selection** section, select the required drive.



9. Select **Next**.

A completion message appears.

10. Select **Finish** to save your selection.

You can view the related work instruction files on the **Work Instruction Worksheet** page.

File names displayed in red indicates that the previously uploaded files that are no longer accessible through the SharePoint connection. This typically occurs when files are deleted directly from SharePoint instead of using the work instruction worksheet. When the connection is set up correctly, switching to the Graph API connection does not cause any file names to appear in red. This visual distinction helps you easily identify which files are linked through the established SharePoint integration and which are not.

Based on this setup, the **Client ID**, **Client Secret**, **Site URL**, and **Document Library Name** field values are automatically updated on the **Shop Floor Production Setup** page.

Note

- If the wizard is rerun, all previously stored values are cleared, and you must complete the assisted setup again.
- If the connection to SharePoint fails at any step, the system displays an error message, prompting you to verify your credentials.

Next step

After configuring the connection, see [Work instruction worksheet and migration](#) to upload and manage your work instruction files.



Work instruction worksheet and migration

Article • 4/22/2026 • 8 min read

Work instructions help ensure accuracy in production processes. In Business Central, you can manage these documents by uploading them to SharePoint or directly through the work instruction worksheet.

The following sections describe how to upload and manage work instruction files in everyday use. If you are migrating from the Shop Floor Production Power App, see [Migrate work instruction documents from the SFP Power App](#) at the end of this page.

Upload work instructions to Business Central or SharePoint document library

You can upload the work instructions files to Business Central by following the steps below.

1. Select the Search icon , enter **Work Instruction Worksheet** or **WIW**, and then choose the related link. The **Work Instruction Worksheet** page opens.
2. On the action bar, select **Upload Attachment**.
You can select the required file from the device and upload the attachment to SharePoint.
3. In the **Work Center** field, select the required work center number associated with the work instruction.
4. In the **Item** field, select the item number from the dropdown for which the work instruction is displayed.

Note

When you execute the **Edit in Excel** action, the work instruction worksheet data opens in an Excel file. You can modify the item number, additional description, and work center details, but you cannot add new records or delete existing ones. For more information, see [Edit data in Excel](#).

Once configured, the system automatically saves these instructions to the designated SharePoint site and folder, as specified on the **Shop Floor Production Setup** page.

Alternatively, you can upload the PDF files directly to the designated SharePoint site and folder. Once the files are uploaded, open the **Work Instruction Worksheet** page in Business Central. The system will display all the documents stored in the SharePoint folder, allowing you to apply the necessary work center and item filters.

The work instructions associated with the work center or item can be viewed on the **Instructions** page from the **Production Order** start page.

For more information about the service limits in SharePoint for Microsoft 365, see [SharePoint limits](#).



Assign a work instruction to multiple items or work centers

You can assign a single work instruction file to multiple items or work centers using the **Manage Associations** action. This lets you display the same work instruction across different production scenarios without uploading the file multiple times.

A work instruction uses either the **Work Center** and **Item** fields for a single direct assignment, or mapping lines for multiple associations, but not both at the same time. When mapping lines exist for a work instruction, the **Work Center** and **Item** fields on the **Work Instruction Worksheet** page become non-editable.

1. Select the Search icon , enter **Work Instruction Worksheet** or **WIW**, and then choose the related link. The **Work Instruction Worksheet** page opens.
2. Select the work instruction you want to assign to multiple items or work centers. The **Work Center** and **Item** fields for the selected record must be blank.
3. On the action bar, select **Manage Associations**. The **Work Instruction Mapping Lines** page opens.
4. For each item and work center combination, add a line:
 - In the **Item** field, select the item number, or leave it blank to match all items.
 - In the **Work Center** field, select the work center, or leave it blank to match all work centers.
5. Close the **Work Instruction Mapping Lines** page. The **Work Instruction Mapping Lines** FactBox on the **Work Instruction Worksheet** page updates to show the associations you have configured.

Note

The **Manage Associations** action is only available when both the **Work Center** and **Item** fields on the selected work instruction are blank. Once mapping lines exist, those fields are locked. To switch back to single-assignment mode, remove all mapping lines for that work instruction first.

You can use the **Work Center** and **Item No.** filter fields at the top of the **Work Instruction Worksheet** page to filter the list. These filters apply to both directly assigned work instructions and those with mapping line associations.

Example

Three production lines (WC-001, WC-002, WC-003) all follow the same safety procedure. Instead of uploading the PDF three times, upload it once and add three mapping lines — one per work center — leaving the **Item** field blank on each. The instruction then appears at all three work centers regardless of which item is being produced.



Identify missing work instruction files

The work instruction worksheet is used to upload and manage work instructions in SharePoint. If a work instruction file is deleted from SharePoint, its mapping data remains in the worksheet. The system highlights these records in red to help you quickly identify and manage missing files. You can then choose to remove the missing records either manually or automatically.

To identify and remove missing work instruction files, follow these steps:

1. On the **Work Instruction Worksheet** page, select the desired record.
2. On the action bar, select **Delete Attachment** to remove the record from Business Central.
It only removes the mapping data from Business Central and does not affect SharePoint.

Note

If the record has a matching document in SharePoint, executing the **Delete Attachment** action also deletes the document from SharePoint. If the file is missing from SharePoint, this action has no effect on SharePoint.

3. Select **Resolve Instructions**.
A confirmation message appears, stating the number of missing records found.
4. Select **Yes** to remove all missing records from the mapping table.

Migrate work instruction documents from the SFP Power App

Note

This section applies only if you are transitioning from the Shop Floor Production Power App to Business Central. If you are setting up work instructions for the first time, you can skip this section.

To transition from Shop Floor Production Power App work centers to Business Central, it is crucial to configure the work instructions within Business Central. All existing PDF work instruction files must be consolidated into a single SharePoint folder (the document library folder) specified on the **Shop Floor Production Setup** page.

During the migration process:

- Gather all the work instruction PDFs currently used in the Shop Floor Production Power App. Ensure that these files are organized and labeled appropriately for easy identification.



- Manually upload all the collected PDF files into a single folder within SharePoint. The folder should match the one specified on the **Work Instructions** FastTab of the **Shop Floor Production Setup** page in Business Central. This step is crucial, allowing the system to locate and associate the work instructions files.
- After uploading the files to SharePoint, open the **Work Instruction Worksheet** page in Business Central. The system will display all the documents stored in the specified SharePoint folder. You can assign the appropriate work center and item filters to each file, ensuring the instructions are correctly linked to the corresponding work centers and items in Business Central.



Set up list profiles

Article • 7/22/2026 • 3 min read

List profiles control which columns appear on Shop Floor Production list pages, their order, and how they are displayed, without requiring a code deployment to change them. An administrator creates named profiles, defines the column layout for each supported page, and assigns each profile to individual users or to role centers.

Prerequisites

- The administrator has permission to the Shop Floor Production setup pages.

Create a list profile

1. Select the Search icon, enter *SFP List Profiles*, and choose the related link.
The **SFP List Profiles** page opens.
2. Select a new line and enter information in the following fields:

Field	Description
Code	Enter a unique code for the profile.
Name	Enter a descriptive name for the profile.
Description	Enter further detail about the profile.
Default Profile	Turn on to apply this profile when no user or role assignment matches. Only one profile can be the default.

3. Select the **Profile Pages** action to open the **SFP List Profile Pages** page, then add a line for each list page you want this profile to apply to and select a **Display Mode**:

Option	Description
Grouped	Rows are grouped automatically and user column sorting is turned off.
Sortable	Row grouping is turned off and users can sort on columns where sorting is turned on.



Configure columns

1. On the **SFP List Profile Pages** page, select the **Columns** action.
The **SFP List Profile Columns** page opens.
2. Select the **Populate Defaults** action to insert one line per built-in column for the selected page, each with visibility turned on, default width, and no compound pairing. Existing column lines are not overwritten. To create compound cells, set the **Secondary Column ID** and **Tertiary Column ID** fields manually after populating.
3. Adjust the column lines as needed. The following per-column settings are available:

Field	Description
Column Caption	Enter an override for the column header label. Leave blank to use the default column name.
Visible	Turn on to show the column.
Display Order	Enter the left-to-right display position of the column.
Pinned	Select <i>None</i> , <i>Left</i> , or <i>Right</i> to pin the column to an edge of the list.
Column Width	Enter the column width in pixels. Enter <i>0</i> to size the column automatically.
Searchable	Turn on to include the column in the global search bar.
Filterable	Turn on to show an inline filter input beneath the column header.
Sortable	Turn on to allow sorting on the column in <i>Sortable</i> display mode.
Text Style	Select the text style for the primary value.
Text Size	Select the text size for the primary value.
Secondary Column ID	Select a second column to render the cell as a stacked two-line compound cell.
Secondary Text Style	Select the text style for the secondary value in a two-line compound cell.
Secondary Text Size	Select the text size for the secondary value in a two-line compound cell.
Tertiary Column ID	Select a third column to render the cell as a three-line compound cell. A secondary column must be set first.
Tertiary Text Style	Select the text style for the tertiary value in a three-line compound cell.
Tertiary Text Size	Select the text size for the tertiary value in a three-line compound cell.



Text Style options

Option	Weight	Color	When to use
Normal	Regular	Default	Standard body text. Use for most values.
Bold	Bold	Default	Draws attention without changing color. Use for identifiers or quantities that users scan for.
Muted	Regular	Dimmed	De-emphasizes supporting information. Use for secondary or tertiary lines in a compound cell.
Emphasis	Bold	Brand teal	Highlights the most important value in a cell. Use sparingly.

Text Size options

Option	Size	When to use
Normal	16 px	Default size. Use for primary values.
Small	14 px	Compact size. Suited to secondary or tertiary lines in a compound cell.
Large	19 px	Prominent size. Use to anchor a row with a key value such as a production order number.

 Note

The **Column ID**, **Secondary Column ID**, and **Tertiary Column ID** fields must each reference a different column. No two levels can share the same column identifier.

Assign a profile

1. On the **SFP List Profiles** page, select the **Assignments** action to open the **SFP List Profile Assignments** page.
2. Add a line for each user or role center the profile applies to.

At runtime the profile is resolved in priority order: user assignment, then role assignment, then the default profile, then the coded fallback.

For example, an administrator creates a profile named *Line Supervisor*, populates the default columns for the **Production Order List** page, turns off the columns that supervisors do not need, pins the production order number column to the left, and assigns the profile to the production supervisor role center. Supervisors who sign in with that role center then see only the configured columns, while other users continue to see the default profile.



Configure auto-refresh settings

Article • 6/16/2025 • 2 min read

You can configure the **Auto Refresh Interval** and **Auto Refresh Idle Timeout** field values to control how often the system must refresh data, and when it should pause due to inactivity. It provides an automatic data refresh feature to ensure you always see up-to-date information.

Note

This feature is accessible only when the **Enable SFP in BC** toggle on the **Shop Floor Production Setup** page is turned on.

Configure auto-refresh interval

To specify how often the **Shop Floor Production** page or its associated pages update data automatically, follow these steps:

1. Open the **Shop Floor Production Setup** page.
2. On the **General** FastTab, in the **Auto Refresh Interval** field, enter a value greater than *15* (in seconds) to enable automatic refresh. By default, the value is set to *0*, meaning data will not refresh automatically.

Data updates at the specified interval, ensuring visibility of new production orders and changes.

Note

- If you enter a value between *1* and *14*, the system displays an error message. The minimum supported interval is *15* seconds. To disable auto-refresh, set the value to *0*.
- Even when auto-refresh is disabled, you can manually refresh data using the **Refresh** icon.

Configure auto-refresh idle timeout

To define how long the system should wait before pausing automatic refresh due to inactivity, follow these steps:

1. Open the **Shop Floor Production Setup** page.
2. In the **Auto Refresh Idle Timeout** field, enter a value between *5* and *30* (in minutes).

Auto-refresh stops after the specified idle time. To resume automatic refresh, interact with the **Shop Floor Production** page or its associated pages, or manually refresh the data.



Manual refresh

Regardless of whether auto-refresh is enabled or disabled, you can use the **Refresh** icon to manually update data on any page. This ensures that the most recent information is retrieved from Business Central without waiting for an automatic refresh.

Note

The **Refresh** icon is available on all pages except the **Register Input** and **Register Output** pages.



Configure production order reports

Article • 1/28/2026 • 1 min read

You can define a custom set of reports that can be printed from Shop Floor Production using report selections. To configure this feature, follow these steps:

1. Open the **Shop Floor Production Setup** page.
2. Set the **Default Report Selection** field value to *Report Selection*.
3. Open the **Report Selections Production Order** page.
4. Change the **Usage** field value to *Shop Floor Production*.
5. Add the report(s) you want to print from Shop Floor Production.

For more information about printing reports, see [Generate reports](#)

! Note

- The system will display the report with the lowest sequence number as the default report when Shop Floor Production is first launched.
- If the **Default Report Selection** field value is set to *Report Selection*, but no reports are defined on the **Report Selection** page, the print button is hidden on the **Production Order Overview** page.



Routing line for labor costs

Article • 9/16/2024 • 3 min read

In Shop Floor Production, the duration of a routing line in the status Start-up, Production, and Failure is registered as time registration entries. These entries are sent to Dynamics 365 Business Central. Start-up and Production entries can be posted as capacity costs. Capacity costs are associated with internal labor and machine costs, and are registered for the setup time and production time.

The machine costs for the setup time are calculated by the total duration of time entries for a routing line in the status 'Start-up'. For the production time, the total duration of all time entries with the status 'Production' is used.

The labor costs for the setup time are calculated by the total duration of all time entries for a routing line in the status 'Start-up', multiplied by the number of operators who worked on it. This also applies to the calculation of labor costs for the production time, using the total duration of the time entries with the status 'Production'.

Machine costs are posted directly on the linked work center, for the labor costs a separate work center must be created. This work center must be added to the routing and linked to the routing line to which the labor costs apply.

1. Select the Search icon , enter **Routings**, and then choose the related link.
2. Select and click the required **No** from the Routings list to open the **Routing** page.
3. In the **Operation No.** field, enter the operation number for the specified routing line.
4. In the **Routing Line Labor Cost** field, select the **Routing No.** of the labor work center.

When capacity entries are created for labor costs, these will be posted on the routing line linked as routing line labor cost.

Important

- The last routing line for a Production Order Line should be used to Show in Shop Floor. Only one Show in Shop Floor Routing Line is supported per Production Order Line.
- The Labor Routing Line should be linked to this Show in Shop Floor Routing Line. Only one Labor Routing Line is supported per Production Order Line.
- In relation to the PRM integration, only the main item may have a Show in Shop Floor Routing Line and/or Labor Routing Line Setup. This doesn't apply for the Co-Product or Unplanned Output Lines.
- SFP v2.0 supports scenarios involving multiple routing lines. However, the output quantities are posted only on the last routing line. In cases where it's not the last routing line, the system will generate a capacity ledger entry, aligning with the standard behavior of Business Central.
- Failure status time entries are not posted as capacity costs.



Set up production failures

Article • 2/26/2026 • 2 min read

On the **Production Order Overview** page, one possible shop floor status option is *Failure*. When a production order is set to the *Failure* status, the user is required to submit a reason for the failure.

To set up a list of possible failure reason codes, follow the steps below.

1. Select the Search icon  , enter **Shop Floor Production Failure Code**, and then choose the related link.
The **Shop Floor Production Failure Code** list page opens.
2. In the **Code** field, add a unique identifier for each failure reason.
3. In the **Description** field, add a detailed description for each failure reason code.
4. Select the **Active** checkbox to make the failure reason code available on the **Production Order Overview** page.
Inactive failure reasons are not displayed in Shop Floor Production.

Note

If your company previously used the Power App version of Shop Floor Production, some failure codes may already be present.



Set up labels

Article • 8/12/2025 • 3 min read

If the Aptean [Labeling](#) extension is installed in Dynamics 365 Business Central, you can print labels after registering output. An example output label is available in the *APTFB 26 LBL Labels* configuration package.

The label setup must be configured correctly to enable label printing from the **Shop Floor Production** page (70234100).

To configure the label setup to print labels from shop floor production, follow these steps. 1. Open the **Labels** page. 2. On the **General** FastTab, in the **Label Type** field, select *Custom*. 3. In the **Label Subtype** field, enter 70234053. 4. On the **Lines** FastTab, in the **Level** field, make sure the value is set as 0. 5. In the **Source No.** field, select 70238162.

This configuration ensures seamless label printing from shop floor production using the Aptean [Labeling](#) extension. For more information about label printing, see [Labels](#).

You can also print the comments added when registering output. The character limit for the comment is 400 characters. These comments added on the **Register Output** page are distributed across the Extra Text Fields of the labels, each with a maximum character length of 100 characters. If you also install the Aptean [License Plating](#) extension, you can print the License Plate information directly on the label from the application based on the setup.

The comments and the license plate information are added to the labels when the **Print Label** checkbox is selected on the **Register Output** page.

The quantity reflects how many times the print function is used. The number of labels printed is determined in Dynamics 365 Business Central. The snackbar notification confirms when a label is printed.

Printer selection

The selection of the label printer to print labels is based on the combination of fields on the **Label Printer Setup** page.

The label printer selection follows two levels of hierarchy. The system first matches by warehouse employee and label code, then further narrows by work center and location details.

First level

The system evaluates the following conditions in priority order:

- Both warehouse employee and label code match
- Only label code matches (the warehouse employee is left blank in the setup)



- Only warehouse employee matches (the label code is left blank in the setup)
- Both warehouse employee and label code are left blank

If any of the above conditions match, it proceeds to the second level of hierarchy.

Second level

The system then evaluates in the following priority order:

- Work center, machine center, location code, and bin code
- Work center, machine center, and location code
- Work center and machine center
- Work center

If no match is found based on the setup on the **Label Printer Setup** page, an error message is displayed.



Shop Floor Production

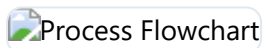
Article • 2/26/2026 • 3 min read

To process production orders with the Shop Floor Production application, select the Search icon , enter **Shop Floor Production**, and then choose the related link.

Shop Floor Production consists of the following screens. These screens all appear on the same Business Central page in a control add-in.

- [Work Center List](#)
- [Machine Center List](#)
- [Production Order List](#)
- [Production Order Overview](#)
- [Production Order Details](#)
- [Work Instructions](#)
- [Inputs](#)
- [Outputs](#)

A general production process will take you from the **Work Center List** page through the **Production Order List** page and into the **Production Order Overview** page. A flowchart detailing this workflow is shown below.



View work centers/machine centers

Article • 2/26/2026 • 4 min read

After opening the **Shop Floor Production** page, the first screen visible is the **Work Center List** screen.

Work Centers

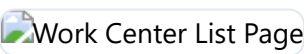
The **Work Center List** screen displays the names of all work centers accessible to the logged-in user. A work center is accessible to the logged-in user if two conditions are true:

- 1. The **Show in Shop Floor** toggle on the **Work Center Card** page is turned on.
- 2. A **Shop Floor User** record is defined for the logged-in user and the work center.

For more information on setting up work centers, see [Set up work centers](#).

The following fields are shown on the **Work Center List** screen:

Field	Description
Name	Specifies the name of the work center.
Status	Specifies whether the work center is actively in production.
Orders	Specifies the number of production orders visible in Shop Floor Production for the work center.
QC	Specifies the number of quality control checks defined for the work center. Displayed as an orange badge when one or more checks exist.



To enable shop floor production registration for a work center, turn on the **Work Center Status** toggle for that work center. Production orders cannot be started in Shop Floor until the work center has been enabled.

 **Note**

This updates the **Active** field on the **Work Center Card** page.

If the [Aptean Quality Control for Food and Beverage \(BC\)](#) extension is installed and quality control triggers are configured, toggling the work center status on or off may automatically create quality control checks. Whether checks are created on subsequent starts and stops depends on the **Allow Multiple Open Checks** setting on the quality control trigger.



You will receive an error if you attempt to start a production order without turning on the **Work Center Status** toggle, or if you attempt to turn off the toggle while a production order is active on the work center.

An orange badge is displayed in the **QC** field if any quality checks are defined for the work center. Selecting the badge navigates you to the **Quality Control App** page to view and complete these quality checks.

To continue to the next step in Shop Floor Production, select a work center. This will navigate you to either the **Machine Center List** screen (if machine centers are defined for the work center) or the **Production Order List** screen.

Machine Centers

The **Machine Center List** screen is displayed if the selected work center has one or more machine centers associated with it.

To view the production orders associated with a machine center, select it.



View released production orders

Article • 1/28/2026 • 6 min read

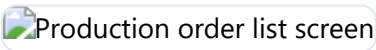
In Shop Floor Production, you can view and manage released production orders for specific work centers. To view the production orders for a given work center, follow the steps below.

- 1. Select the Search icon , enter **Shop Floor Production**, and then choose the related link.
The **Work Center List** screen opens.
- 2. Select the desired work center **Name**.
The **Production Order List** screen opens.
- 3. Select the desired production order to be redirected to the **Production Order Overview** screen.

 **Note**

If a work center has one or more machine centers defined, selecting a work center will redirect to the **Machine Center List** screen. Once a machine center is selected, the **Production Order List** screen will display.

Shop Floor Production will pull production orders based on the system date and date formula defined in the **Date Formula Show Prod. Order** field on the **Shop Floor Production Setup** page. For example, a date formula of 1D will show production orders with routings starting on the system date or the day after.



The **Production Order List** screen displays the following fields:

Field	Description
Start Date-Time (grouped)	Specifies the starting date and time of the production order based on the routing. If enabled, item images will also appear in this column.
Prod. Order / Quantity	Specifies the production order number, quantity represented in related unit of measure code and the batches associated with the selected work center.
Description / Source	Specifies the description of the production order and the source no. associated with the production order.
Status / Progress	Specifies the status of the production order and a progress bar showing how much output has been registered compared to what is expected. The available statuses are <i>Not Started</i> , <i>Start-Up</i> , <i>Production</i> , <i>Paused</i> , <i>Failure</i> , <i>Stopped</i> , and <i>Finished</i> .



 Note

Your version of Shop Floor Production may include additional data columns alongside the defaults if your system includes custom code extending the capabilities of Shop Floor Production.

The action bar

At the top of all screens in Shop Floor Production is the action bar. The action bar is home to various filters, actions, and pieces of data to assist in the production process. The action bar on the **Production Order List** screen includes the following:

1. The name of the work center.
2. The **Show finished orders** toggle. When enabled, the only production orders shown in the table will be production orders finished in Shop Floor Production.
3. The **Mode** option. This option determines how the user is navigated away from this screen if a valid production order is entered in the **Search Bar**. This field gets its default value from the **Shop Floor User** record for this user/work center or the global default on **Shop Floor Production Setup**. The options are:
 1. *Production Order*: Entering a production order number will redirect the user to the **Production Order Overview** screen.
 2. *Input*: Entering a production order number will redirect the user to the **Input** screen and automatically open the **Register Input** screen if possible.
 3. *Output*: Entering a production order number will redirect the user to the **Output** screen and automatically open the **Register Output** screen if possible.
4. The **Search Bar**. Typing in the search field will perform live filtering on the list of production orders.
5. The **Refresh Button**. Clicking this button will manually refresh the list of production orders.

 Note

Your version of Shop Floor Production may include additional action bar items alongside the defaults if your system includes custom code extending the capabilities of Shop Floor Production.

 Important

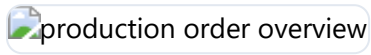
When referring to production orders as "finished" in Shop Floor Production, this does not mean the order is a finished production order. Only released production orders are included in Shop Floor Production. "Finished" indicates that a user previously selected the **FINISH** button for that production order.



Production order overview

Article • 4/22/2026 • 10 min read

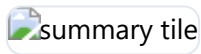
The **Production Order Overview** page provides an overview of and serves as a base of operations for the selected production order. It consists of several tiles and the action bar.



Summary tile

The summary tile is on the left side of the overview page and displays the following:

- the source of the production order — item and production family sources are supported in Shop Floor
- the source description
- an image of the item
- a barcode or QR code of the production order number
- the planned starting and ending time of the operation
- production order comments



Display barcode or QR code

The production order displays the barcode or QR code of the associated order based on the value defined in the **Display Barcode on Production Order** setting on the **Shop Floor Production Setup** page.

Production order comments

Existing production order header comments can be at the bottom of the summary tile. Existing comments can be edited by selecting the pencil icon and deleted by selecting the trash bin icon. New production order comments can be added by selecting the **Add New Comment** button.

Production order status tile

The status tile is how the shop floor status of the production order is set. It consists of the operator counter and the status buttons.



Number of operators

To record time entries for labor costs, it is important to indicate how many operators (employees) are working on the order. The default number of operators is determined by the **Default No. of Operators** setting in **Shop Floor Production Setup**.

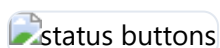
You can click the plus or minus icon to enter the number of employees working on the order. You can change the number of operators when the production order routing status is *Not started*, *Paused*, or *Stopped*.

Status buttons

Production orders in Shop Floor can be in one of seven statuses:

- *Not Started*: The default status of a new production order.
- *Start-Up*: Preliminary work has started on the production order. Time spent in this status is posted as capacity ledger entries.
- *Production*: Work is in-progress on the production order. This is the required status in order to register consumption or output against the production order. Time spent in this status is posted as capacity ledger entries.
- *Pause*: Work is paused.
- *Failure*: Some sort of unexpected issue has caused work on the production order to stop.
- *Stopped*: Work on the production order has stopped, but the order is not marked as completely finished.
- *Finished*: Work on the production order has been completed, and no additional registrations are expected.

To change the status of the production order, simply click on the desired status button. The selected status button will change color upon success.



When selecting the *Start-Up*, *Production*, or *Failure* status, a counter will begin updating beneath the name of the status. The counter tracks how long (in hours and minutes) the production order has been in that status this run.

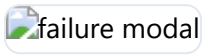
Note

The status counters are not cumulative. If you spend one hour in *Production* status, pause the production order, then resume production, the counter will restart at 00:00 instead of starting at 01:00.



Production failures

When selecting the *Failure* status, a pop-up will request from the user a reason for the failure. Users can select a failure code and provide any additional details in the text box. Because the cause of a failure may not be immediately known, users are not required to submit a failure reason at the time of switching production order status to *Failure*. However, a failure code is required by the time the status is changed away from *Failure*.



For more information on setting up failure codes, see [Setting up failure codes](#).

Input tile

The input tile provides information about this production order's consumption. A progress wheel gives a visual indication of how much of the expected consumption has been completed, and the text below the wheel shows the user how many components have been consumed up to the expected amount alongside the number of forward- or backward-flushing items.

Clicking on this tile navigates to the **Inputs** screen. For more information, see [Inputs](#)

Output tile

The output tile provides information about this production order's output. A progress wheel gives a visual indication of how much of the expected output has been completed, and the text below the wheel shows the user exactly how much output has been completed compared to the expected amount.

The output quantity shown on the **Output** tile is determined by the **Output Display Mode** field on the **Shop Floor Production Setup** page. When set to *Total* (the default), the tile shows the aggregated finished goods quantity for the entire production order. When set to *Routing Specific*, the tile shows the output quantity registered at the routing line associated with the current work center. For more information, see [Set up shop floor production](#).

Clicking on this tile navigates to the **Outputs** screen. For more information, see [Outputs](#)

PO Details tile

Selecting the details tile will navigate to the **Production Order Details** screen. For more information, see [Production order details](#)



Instructions tile

The instructions tile shows the total number of work instructions associated with this production order. Selecting the instructions tile will navigate to the **Work Instructions** screen.

For more information on setting up work instructions, see [Work Instructions](#).

For more information on viewing work instructions, see [View work instructions in Shop Floor Production](#)

Quality tile

The quality tile shows the total number of open or in-progress quality control checks associated with this production order. The count of quality checks may be limited to only those with a matching work center if the **Limit Quality Check Count by Work Center** option is enabled on **Shop Floor Production Setup**.

Selecting the quality tile will open the **Quality Control App** filtered to the selected production order.

Note

The quality control check count will be calculated only if the Aptean Quality Control for Food and Beverage (BC) application is installed.

Action bar

The action bar on the **Production Order Overview** page is home to various actions and pieces of information. This includes:

1. The production order number.
2. A **Print Menu**. This menu allows users to print various production reports directly from Shop Floor Production. For more information, see [Generate reports](#).
3. A **Finish/Reopen** button. Selecting the **FINISH** button will attempt to change the status of this production order to *Finished*. The **REOPEN** button is visible on finished production orders, and selecting it will attempt to change the status of this production order to *Stopped*.
4. A **Refresh** button. Selecting this button will manually refresh the data for this production order.



Production order details

Article • 6/16/2025 • 3 min read

The **PO Details** screen provides an overview of the production order, including packaging information and customer details.

To access the **Production Order Details** screen, select the **PO Details** tile on the **Production Order Overview** screen.

In the **General** group, the following fields are displayed:

Field	Description
Item No.	Specifies the main output item in the production order.
Description	Specifies the description of the main item in the production order.
Variant	Specifies the variant (if applicable) of the main item in the production order.
Production Order	Specifies the number of the production order.
Order Line No.	Specifies the routing line number used to define the work center to which it is associated.
Operation No.	Specifies the number assigned to each operation in the routing.
Routing Description	Specifies the routing through which the production order is processed.
Location	Specifies the location where the production order is stored.
Bin Code	Specifies the bin code where the production order is stored.
Status	Specifies the Shop Floor status of the production order.
Quantity Planned	Specifies the number of items planned to be produced.
Quantity Output Registered	Specifies the number of finished items at the output registration.

If the Aptean [Packaging](#) extension is installed in Business Central, you can view the following fields in the **Packaging** group.

Field	Description
Packaging Code	Specifies the code associated with the package used in the production order. It also indicates whether the package is Item Bound or Order Bound.
Item No.	Specifies the item number and description associated with the selected packaging code.



Total needed	Specifies the total number of packaging items required for the selected production order.
Items Per Packaging	Specifies the number of items that can be accommodated per package for the associated order.
Pack Configuration (Ti × Hi)	Specifies the pallet stacking configuration in the format {No. of Shipping Units} ({Number per Layer}×{Number of Layers}) — for example, 48 (6×8). When No. of Shipping Units is greater than zero but Number per Layer or Number of Layers is zero, only the shipping units value is shown — for example, 25. The column is visible only when at least one packaging row has stacking data configured on the corresponding item packaging record. Rows without stacking data show a blank cell. Ti (Tier) indicates the number of items per layer; Hi (High) indicates the number of layers.

 **Note**

The **Pack Configuration** column is read-only on this page. To change the stacking values, edit the corresponding item packaging record in the Aptean [Packaging](#) extension.

The **Customer** group displays the information of the customer associated with the production order.



Work instructions

Article • 1/28/2026 • 1 min read

On the **Production Order Overview** page in shop floor production, select the **Instructions** tile to view any work instructions associated with the selected production order.

Note

If only a single work instruction is associated with the selected production order, it is opened automatically. If more than one instruction is defined, the instruction must be selected from the list of available instructions.

On the **Work Instructions** page, right-click an instruction or long-press on a tablet and select **Open in new tab** button to open the instruction in a new browser tab.



Generate reports

Article • 1/28/2026 • 3 min read

You can generate reports directly from the **Shop Floor Production** page to monitor and manage various aspects of production, including work in progress, material requirements, shortages, and periodic batch activities.

Follow the steps below to generate the reports.

1. Open the **Shop Floor Production** page.

2. Navigate to the desired production order.

The system displays options on the action bar to generate reports based on the configuration set in the **Default Report Selection** field on the **Shop Floor Production Setup** page. The **PRINT JOB CARD** button is displayed by default.

3. Select **PRINT JOB CARD**.

The system automatically opens the **Production Order Report** page.

After specifying the necessary details and printing the report, you can view the work in progress for the production order, including information on output, scrapped quantities, and production lead times for each operation.

4. To open a different report, select the dropdown, and choose from the following options:

- **PRINT MAT. REQUISITION:** Access a comprehensive list of material requirements for each production order. The report includes the production order status, the quantities of end items and components needed, and their required quantities.
- **PRINT SHORTAGE LIST:** View a detailed list of missing quantities for each production order. The report outlines how inventory levels are planned to develop from the current date to the specified end date, including the status of open orders.
- **PRINT BATCH WORKSHEET:** Perform periodic activities where batch jobs handle calculations such as determining the time between batches, adjusting, and calculating unit measures.
The system displays an error if the selected production order is not configured for batch production.

Note

The *PRINT BATCH WORKSHEET* option is visible only when the Aptean [Process Manufacturing](#) and Aptean [Reporting](#) extensions are installed.

Generate reports from report selection

You can define a custom set of reports that can be printed from the shop floor production using the shop floor production report selection. To define which reports can be printed, follow these steps:



1. Open the **Shop Floor Production Setup** page. Ensure the **Default Report Selection** field value is set to *Report Selection*.
2. Open the **Report Selections Production Order** page.
3. Change the **Usage** field value to *Shop Floor Production*.
4. Add the report(s) you want to print from shop floor production.

Note

The system displays the report with the first sequence number as the default report when shop floor production is first launched.

5. Open the **Shop Floor Production** page.
6. Navigate to the desired production order. The system displays options on the action bar to generate reports based on the shop floor production report selection. The report with the lowest sequence number is displayed on the button by default.
7. Select the report you wish to print and populate the required details on the request page.

Note

If the **Default Report Selection** field value is set to *Report Selection*, but no reports are defined on the **Report Selection** page, the print button is hidden on the **Shop Floor Production** page.



Inputs

Article • 4/22/2026 • 7 min read

To view the component consumption required for a given production order, select the **Input Tile** on the **Production Order Overview** screen.

The **Inputs** screen mainly consists of a single table listing all components on the production order. The component items are grouped according to their flushing method (i.e. Manual vs. Automatic). The following columns are visible on the inputs table:

Field	Description
Description	Specifies the description of the component item. The item no. is shown below the item description, and an image of the item is shown on the left side of this column if an image is defined for this item.
Bin Code	Specifies the bin code of the component item.
Remaining	Specifies the quantity of input remaining to be consumed by the production order according to the planned output quantity.
UoM	Specifies the unit of measure in which consumption for the item is registered.
Progress	Shows a progress bar indicating what percentage of the consumption has been completed compared to the planned consumption. If batching is enabled for the production order, this value is determined by the number of registered batches.
Planned	Specifies the quantity of input originally planned based on the production order quantity and the BOM setup.
Registered	Specifies the quantity of this input previously registered for this production order.
Actions	Shows possible actions users can take regarding the consumption line. For more information, see Consumption Line Actions .

If your production BOM utilizes batch inputs, additional columns are available on the inputs table:

Field	Description
Remaining Batches	Specifies the remaining quantity of the item in batch after registering the input. This is the difference between the Planned Batches and Registered Batches field values. When the registered batch value is greater than the planned batch value, the remaining batch field is updated as 0.



Qty. per Batch	Specifies the quantity of the component required per batch. This value is defined in the Input Quantity per Batch field on the Prod. Order Components page associated with the released production order.
Planned Batches	Specifies the total number of batches originally planned based on the production order quantity. The value is the quantity of the item per batch multiplied by the Quantity field value on the respective production order.
Registered Batches	Specifies the number of batches which have already been registered on the Input page through the Input action.

! Note

If the production order includes co-products without a routing number defined on the co-product line, the co-product's components will appear alongside the main item's components on this screen. If the co-product line has its own routing number, its components will only be accessible from the co-product's own production order entry.

Select an item for consumption by clicking or tapping on the table row in any column except the **Actions** column. Selecting a row will open up the [Register Input](#) screen. The Register Input screen can also be opened selecting the + **Input** button on the [Action Bar](#).

! Note

If the production order status has not been updated to *Production* on the **Production Order Overview** screen, attempting to register consumption will yield an error requesting the status of the production order be updated. For more information, see [Production Order Overview](#)

Consumption Line Actions

Consumption line actions are actions which can be triggered for individual consumption lines. These actions are represented by an icon in the **Actions** column.

Correct Consumption

The **Correct Consumption** action—represented by a pencil icon—opens the [Correct Consumption](#) screen. Use this action to reduce quantities previously registered against the production order for that row's item.

If no consumption has been previously registered for a row's item, the **Correct Consumption** action will be grayed out and unclickable.



Action Bar

The action bar is the top area of the **Inputs** screen and contains actions applicable to all inputs on the screen.

Header and Back Button

The left-hand side of the action bar includes the back button , the production order number, and the description of the main output item. Selecting the back button will return you to the previous screen.

Note

If you reached the **Inputs** screen by selecting the **Input Tile** on the **Production Order Overview** screen, selecting the back button will return you to that screen. If you reached the **Inputs** screen by scanning a production order number on the **Production Order List** screen's search bar, the back button will return you to the list screen.

Batch view toggle

If the production order is set up to utilize batch consumption, turn on the **Batch View** toggle to switch the table columns between batch quantities and total quantities. If the production order does not use batching, this toggle is hidden.

Search bar

Enter terms in the search bar to limit the component items shown in the table.

Adding alternative inputs (+ Alternative)

If unplanned consumption is set up for any production order component using the **Unplanned Consumption Setup** page when the Aptean Process Manufacturing extension is installed, selecting the + **Alternative** button in Shop Floor Production will open the **Add Alternative Item** screen.

On the **Add Alternative Item** screen, first select the component item to be replaced. Then, the **Alternative Item** field populates with one option per unplanned consumption item. Select the desired unplanned item, then enter the estimated quantity of the unplanned item you plan to consume. Finally, select the **Add** button to add a new consumption line for the unplanned component item.

For more information on setting up unplanned consumption, see [Unplanned output and consumption](#).



Registering consumption (+ Input)

Select the + **Input** button to open the **Register Input** screen. For more information on the registration process, see [Register Input](#).

Consumption by license plate

Shop Floor Production supports registering consumption by scanning an entire license plate or by scanning a GS1 barcode. For more information, see:

- [Consumption by entire license plate](#)
- [Consumption by GS1 barcode](#)

Note

When using the [Aptean Beverage Advanced Warehouse Management](#) extension, Drink-IT Edition, consumption of license plate-tracked catch weight items is not supported.

Custom scanning (+ Custom Scan)

If a compliant PTE is installed, you can register consumption via barcode scanning and custom parsing logic. Select the + **Custom Scan** button on the **Input** page to begin the barcode scanning process. The **Register Input** screen opens immediately following the barcode scan.

Refresh button

Select the refresh button to query Business Central and update all components on the **Inputs** screen with the latest data.



Register consumption

Article • 7/22/2026 • 5 min read

The Register Input screen displays the information of the individual item on the production BOM. The left navigation section displays the combined information of all data available for the selected item such as Batching, Location, Bin Code and so on.

You can enter the required information in the following fields: 1. In the **Item** field, select an item from the dropdown. All the items in a production BOM are available. Based on the item selected, the details associated with it are displayed on the left navigation.

Note

The items with the **Flushing Method** field on the **Item Card** page set to Manual are only available in the dropdown.

1. In the **License Plate** field, select a license plate from the dropdown. This includes only the license plates associated with the selected item.
You can view this field only when the Aptean [License Plating](#) or Aptean [Advanced Warehouse Management](#) extension is installed. Additionally, the associated location must support license plate tracking, and the linked item must also be a license plate tracked item.
2. In the **Lot No.** field, select a lot from the dropdown. This includes only the lots associated with the selected item. The **Inventory**, **Expiration Date** and **Bin Code** field values get inherited based on the selection of value in the **Lot No.** field.
The **Lot No.** field is visible only when the linked item is lot tracked.
Consumption of items that are not lot tracked is not supported for locations where Bin Mandatory = True.
When attributes are configured on the **Lot Attributes** FastTab of the **Shop Floor Production Setup** page, the selected attribute values appear as a pipe-separated line below the standard quantity, expiration date, and bin details for each lot in the **Lot No.** dropdown. For more information, see [Set up shop floor production](#).
Select the ellipsis button on the **Lot No.** field to open the **Available Lots** lookup window. For details, see [Available Lots lookup window](#) below.

Note

When selecting a non-lot tracked item or non-license plate tracked item to register, the **Bin Code** field is automatically populated with the bin code assigned to the component item.

- If the **Restrict Consumption Bin** toggle on the **Shop Floor Production Setup** page is turned off, you can change the **Bin Code** field value to any bin that has an existing bin content record for the selected item.
- If the toggle is turned on, the **Bin Code** field is non-editable.



3. In the **Quantity (UOM)** field, enter the quantity of the item you want to register as input.

When this registered value differs from the planned value, the differences are represented in the Registered field value with following color code:

Grey – Indicates that the registered field value is less than or equal to the planned field value.

Orange - Indicates that the registered field value is greater than the planned field value.

This color code is also applicable to the progress bar in the Progress field on the **Input** page.

The **Weight from scale (UOM)** and **Tare weight (UOM)** fields are updated based on the **Quantity (UOM)** field and the configuration on the **Production BOM** page.

Note

The **Tare weight (UOM)** field value is set to 0 by default. You can also enter a non-zero tare weight if required. However, the system displays an error if the **Tare weight (UOM)** field value is less than 0.

Execute the **GET WEIGHT** action to update the weight fields. These fields are visible only when the Aptean [Weigh Scale](#) extension is installed with this extension and the input item's unit of measure matches the weigh scale unit of measure.

The **Quantity Weight (UOM)** field is updated based on the quantity of the item and the field values associated with catch weight on the **Inventory** FastTab of the **Item Card** page.

4. In the **Comments** field, you can add any comments or details as additional information.

5. Select **Save** or **Save + New**. Selecting **Save** will register the input and close the page, whereas **Save + New** will register the input and open a new **Register Input** page.

This is applicable only when the flushing method is set to manual.

Available Lots lookup window

The **Available Lots** lookup window provides a searchable table of all available lots for the selected item. The header shows the item description, item number, unit of measure, and variant code (when applicable) as context.

The table includes the following columns:

- **Lot No.** and **Expiration Date** are always shown and can be sorted.
- **Bin Code** and **Inventory** are always shown but are not sortable.
- **Variant Code** and **Inspection Status** appear only when at least one lot in the list carries that data.
- One column per SFP Setup attribute is added when attributes are configured on the **Shop Floor Production Setup** page. All other lot attributes are shown only in the details panel.

Select a row to highlight it and open the details panel on the right. Selecting the same row again deselects it and closes the panel. The details panel shows:

- The lot number, expiration date, bin code, inventory, and inspection status (when available).



- A **Lot Origin Details** section when lot origin data exists, showing vendor lot number, country of origin, certificate number, and production date. When a field has different values across multiple lot origin records, **Multiple** appears as a link that opens a full table of all records.
- A collapsible **Lot Attributes** section listing all lot attributes for the selected lot.

Select **Confirm** to apply the highlighted lot to the **Lot No.** field and close the lookup window.

 Note

- The variant, inspection status, and attribute columns use the Aptean [Advanced Attributes](#), Aptean [Inspection Status](#), and Aptean [Lot Management](#) extensions, and are shown only when those extensions are installed.



Consumption correction

Article • 2/26/2026 • 6 min read

To reduce the quantity of a component previously registered to the production order, select the correct consumption action on the **Inputs** page. The correct consumption action is represented by a pencil icon in the **Actions** column of the input table.

If only one registration has been posted for a component, selecting the correct consumption action will open the consumption correction screen. If multiple registrations for the item have been completed, selecting the correct consumption action will open the registration listing screen which lists all previous registrations for this item.



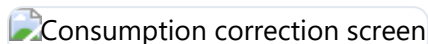
The following columns are shown on the registration list:

Field	Description	Visibility
Entry No.	Specifies the item ledger entry number of the registration.	
Date Time	Specifies the date and time at which this registration was posted.	
Unit of Measure	The header of this column will be the component's unit of measure. Specifies the quantity of the registration.	
CAW UoM	The header of this column will be the component's catch weight unit of measure. Specifies the catch weight of the registration.	This column will only be displayed if the component item is a catch weight item.
Lot No.	Specifies the lot number of the registration.	This column will only be displayed if the component item is lot tracked.
License Plate No.	Specifies the license plate number of the registration.	This column will only be displayed if the component item is license plate tracked.
Expiration Date	Specifies the expiration date of the registered lot number.	

For each registration, two actions are available: 1. Edit Registration (Pencil icon) - Opens the consumption correction screen for this component registration. 2. Delete Registration (Bin icon) - Reverses the entire registration. You will be asked for confirmation before the correction is posted.



Consumption correction screen



The consumption correction screen is where you specify the exact consumption reversal you are looking to accomplish. On the left-hand side of the screen, a details sidebar shows various pieces of information about the chosen registration including the lot number and expiration date. To correct consumption, follow these steps:

1. Enter a quantity to subtract from the existing registration. The default value of this field is the remaining quantity on the registration. Alternatively, you can use the next field to specify a quantity to remain on the registration after correction. Entering a value in one of these two fields will automatically calculate the other.
2. Optionally, specify a comment detailing the reason for the correction.
3. Select the **Save** button.



Tip

Since the default value of the **Qty. to subtract** field is the remaining quantity on the registration, reversing the entire registration is as easy as immediately clicking the **Save** button on the consumption correction screen.

Correct consumption with AWM license plates

You can correct the consumption of license plate-tracked items onto a different advanced warehouse management license plate. This enables flexibility in handling inventory adjustments during consumption corrections.



Note

- Make sure to configure the *Aptean Beverage Advanced Warehouse Management for Drink-IT Edition* application name on the **Feature Control** page. For more information, see [Overview of feature control](#).
- Turn on the **Allow New License Plate in Consumption Correction** toggle on the **Shop Floor Production Setup** page.
- Configure the **Adv. Warehouse Setup** page and the **Advanced Warehouse Management** FastTab on the **Item Card** page. For more information, see [Setup advanced warehouse management](#).

To correct the consumption with the advanced warehouse management license plates, follow these steps:

1. Open the **Input** page for consumption.



2. Select the required record.

The **Register Input** page opens.

3. In the **License Plate No.** field, select the required value.

The dropdown displays the available advanced warehouse management license plates.

4. In the **Quantity** field, enter the required quantity for consumption.

5. Save the changes to register the input.

6. Once registered, you can correct the consumption for the registered input line by using the edit icon.

The **Correct Consumption** page opens.

7. In the **Qty. to Subtract** field, you can modify the value to correct the consumption quantity.

8. The **To License Plate** field displays the advanced warehouse management license plate number (original consumption license plate number) for which the input is registered.

9. You can also execute the **GET NEW LICENSE PLATE NO.** action to generate a new advanced warehouse management license plate number for the corrected consumption quantity.

The system sends a request to Business Central to generate a new license plate number.

10. Select **Save**.

The system corrects the consumption onto the original license plate first.

If a new license plate is assigned, the system creates an item reclassification journal transaction to move the corrected quantity to the new license plate.

The journal entry uses the template specified in the **Consumption Correction Reclassification Journal Template Name** field on the **Shop Floor Production Setup** page.

You can view the created entries for the corrected consumption on the **Detailed Warehouse Entries** page.



Consumption by entire license plate

Article • 2/26/2026 • 1 min read

Register consumption for a license plate

To consume all items on a license plate, follow these steps:

1. On the **Input** page, select + **License Plate**.

The **Register License Plate** window opens.

2. In the **License Plate No.** field, enter the desired license plate number.

Note

You can specify how the system processes entire license plate consumption for production orders in the **License Plate Consumption Mode** field on the **Shop Floor Production Setup** page.

3. Select **SEARCH**.

If the entered number is invalid or empty, the system displays an error message.

If the license plate is valid, the system displays the license plate details for each item on the license plate, including:

- Item No.
- Variant code
- Description
- Lot No.
- Quantity
- Unit of Measure
- Expiration Date

4. Review the list and select **CONFIRM** to proceed with consumption or **CANCEL** to exit without changes.

After you confirm:

- Each item on the license plate is registered individually.
- If one or more items cannot be registered, those items are skipped. The system displays the items that failed to register along with the reason for each failure.

After processing is complete, the **Input** screen automatically refreshes to display updated quantities.



Consumption by GS1 barcode

Article • 1/28/2026 • 3 min read

The shop floor production application integrates with the Aptean [Standard Measurements](#) to support consumption registration via GS1-compliant barcodes.

Setup

To set up GS1 consumption in shop floor production, follow these steps:

- 1. Open the **Standard Measurements Setup** page.
- 2. Enter your environment unit of measure code representing *Pound* in the **GS1 LB (32/34) Unit of Measure** field.
- 3. Enter your environment unit of measure code representing *Kilogram* in the **GS1 KG (31/33) Unit of Measure** field. Ensure the remaining fields on the Standard Measurements Setup page are completed according to your company’s procedure. For more information, see [Setup Standard Measurements](#).
- 4. On the **Shop Floor Production Setup** page, in the **License Plate Consumption Mode** field, select *Expect GS1*.
- 5. On the **Item Card** page, select the **Item References** action.
- 6. Add a new record with the following data:

Field		Value	
Reference Type		Bar Code	
Reference No.		14-character GTIN	

Any extra variants or units of measure for the same item should have separate item reference records.

Registration

To register consumption, follow these steps:

- 1. Open the **Shop Floor Production** page and select the work center and production order you want to process.
- 2. Once the production order has started, select the **Input** tile to begin registering for consumption.
- 3. Select the **+GS1** button.
- 4. Scan a license plate number or GS1-compliant barcode.
- 5. If prompted, scan additional information required by the system.
- 6. Complete the registration by selecting **Save** on the **Input Registration** page.



Example

To illustrate this consumption mode, the following data has been set up:

Three units of measure

Field	Value
Code	KG
Description	Kilogram
UOM Group Code	WEIGHT
Qty. per Baseline UOM	1

Field	Value
Code	LB
Description	Pound
UOM Group Code	WEIGHT
Qty. per Baseline UOM	2.20462

Field	Value
Code	PCS
Description	Pieces
UOM Group Code	
Qty. per Baseline UOM	0

Standard Measurements Setup

Field	Value
-------	-------



Weight Group Code	WEIGHT
Standard Weight Unit of Measure	KG
GS1 LB (32/34) Unit of Measure	LB
GS1 KG (31/33) Unit of Measure	KG

Shop Floor Production Setup

Field	Value
License Plate Consumption Mode	Expect GS1
Default GS1 Quantity	1

An item has also been set up with an Item Reference GTIN of 00348086228667.

On the **Shop Floor Production** page, the following scans open the **Register Input** page with pre-loaded information. In these scans, application identifiers are indicated using parentheses. The parentheses are not included in the physical scanned input.

Scan 1

(01)00348086228667(10)LOTABC

The system automatically selects the item and pre-populates *LOTABC* in the **Lot No. Consumption** field. Because the **Default GS1 Quantity** field value is set to *1* and the GS1 scan does not provide a quantity, the system also pre-populates the **Quantity** field value with *1*.

Scan 2

(01)00348086228667(10)LOTABC(30)00000015

The system automatically selects the item and pre-populates *LOTABC* in the **Lot No. Consumption** field. Because the barcode scan specifies a quantity, the system pre-populates the **Quantity** field value with *15*.

Note

If the lot number is not positioned at the end of the barcode, a special non-readable character is required to indicate the end of the lot number. This character is the *Group Separator (ASCII 29)*.



Scan 3

(01)00348086228667(10)LOTABC(30)00000015(3101)000105

For catch weight items, the system automatically selects the item and pre-populates *LOTABC*. The system pre-populates the **Quantity** field with *15* and the **Weight Quantity** field with *10.5 KG*. If the barcode scan provides the weight in pounds, the system converts the weight to the catch weight unit of measure before populating it on the input screen.



Outputs

Article • 2/26/2026 • 5 min read

To view the expected output for a given production order, select the **Output Tile** on the **Production Order Overview** screen.

The **Outputs** screen consists of two main sections. The left side of the screen displays a list of all output items associated with this routing operation. The tile for each item includes:

- Item No.
- Planned Qty.
- Registered Qty.
- Bin Code

The remainder of the screen displays a list of all previous registrations on this operation for the selected item.

ⓘ Note

A routing operation can include co-products or other production family members. However, if other production order lines have their own routing, they appear as separate production orders that you can access from the **Production Order List** page.

List of Registrations

The table showing a list of all previous registrations shows different columns based on which routing operation is being completed.

For intermediate operations, registration of output does not generate item ledger entries—just capacity ledger entries. The columns available on these routing operations include:

Field	Description
Date Time	The date and time the registration was submitted.
UoM	The output item's unit of measure. The header of this column is the item's unit of measure.
CAW UoM	The output item's catch weight unit of measure, if applicable. The header of this column is the catch weight unit of measure.
Actions	Shows possible actions users can take regarding the output line. For more information, see Output Line Actions .



For the final operation on a routing, the columns shown include:

Field	Description
Date Time	The date and time the registration was submitted.
UoM	The output item's unit of measure. The header of this column is the item's unit of measure.
CAW UoM	The output item's catch weight unit of measure, if applicable. The header of this column is the catch weight unit of measure.
Lot No.	The registered lot number.
License Plate No.	The registered license plate number.
Expiration Date	The expiration date of the registered lot number.
Actions	Shows possible actions users can take regarding the output line. For more information, see Output Line Actions .

Select an item for output by clicking or tapping on the desired item in the left-hand list of items. Then, click the + **Output** button on the [Action Bar](#). This opens the [Register Output](#) screen.

Note

If the production order status has not been updated to *Production* on the **Production Order Overview** screen, attempting to register output yields an error requesting the status of the production order be updated. For more information, see [Production Order Overview](#)

Output Line Actions

Output line actions are actions which can be triggered for individual output registrations. These actions are represented by an icon in the **Actions** column.

Correct Output

The **Correct Output** action—represented by a pencil icon—opens the [Correct Output](#) screen. Use this action to reduce individual registration quantities.



Print Label

The **Print Label** action—represented by a printer icon—sends a request to Business Central to print a label for the selected registration. For more information, see [Print Labels](#).

Note

Labels cannot be printed for non-last routing lines.

Action Bar

The action bar is the top area of the **Outputs** screen and contains actions applicable to the entire screen.

Header and Back Button

The left-hand side of the action bar includes the back button , the production order number, and the description of the main output item. Selecting the back button returns you to the previous screen.

Note

If you reached the **Outputs** screen by selecting the **Output Tile** on the **Production Order Overview** screen, selecting the back button returns you to that screen. If you reached the **Outputs** screen by scanning a production order number on the **Production Order List** screen's search bar, the back button returns you to the list screen.

Registering output (+ Output)

Select the + **Output** button to open the **Register Output** screen. For more information on the registration process, see [Register Output](#).

Refresh button

Select the refresh button to query Business Central and update all outputs on the **Outputs** screen with the latest data.



Register output

Article • 7/22/2026 • 6 min read

The **Register Output** page displays the information of the individual output item on the production order. The left navigation section displays the combined information of all data available for the selected item such as Batching, Location, Bin Code and so on.

Shop Floor Production can post either inventory and capacity for final routing operations or just capacity entries for intermediate operations. The fields available in the registration screen will vary based on operation type and item setup.

1. In the **Item** field, select an item from the dropdown if the default item is incorrect. The default item is the one selected on the **Outputs** screen when clicking + **Output**. If unplanned output items are set up, each unplanned output item will appear in the item list prefaced by the word "UNPLANNED".
2. The **Lot No.** field will only appear for the final routing operation of a production order. The lot number can be entered manually or pre-populated based on the **Lot No. Per** and **Output Lot Preview** settings. You can also configure lot number persistence for individual items in the **Lot No. Per** field on the **Replenishment** FastTab of the **Item Card** page. When configured, the item-level setting overrides the global setting on the **Shop Floor Production Setup** page.

When you select the **GENERATE NEW NO.** action, the system will generate the lot number as per the setup.

3. In the **License Plate No.** field, select a license plate from the dropdown. This includes only the license plates associated with the selected item.

You can view this field only when the Aptean [License Plating](#) extension is installed in conjunction with this extension and the associated location and output item both are license plate tracked.

The **Shipping container** and **Expiration Date** fields are automatically updated based on the selection of lot number.

The **Expiration Date** field is updated when generating the lot number and the Shipping Container field is updated when generating the license plate number, only if the setup in the default packaging for the output item is correctly defined.

Note

These fields are available only when the Aptean [SSCC](#) and [Expiration Management](#) extensions are installed.

4. In the **Expiration Date** field, enter the expiration date of the output. This field will only appear if the item is lot tracked, uses expiration date, and you are registering output for the final routing operation of the production order. A default value may be set if the **Expiration Calculation** field on the **Item Card** is populated or if the lot number matches a previous registration. The system will show an error if you attempt to register a different expiration date for an existing lot number.
5. In the **Shipping Container** field, select a shipping container for the output license plate. This field is only visible for the final routing operation and for items that are license plate-tracked.



When the **Allow Edit of Output Bin** field on the **Outputs** FastTab of the **Shop Floor Production Setup** page is turned on, the **Bin Code** field is a dropdown of all bins at the production order line location, defaulting to the production order line bin code. When the field is turned off, the **Bin Code** field is read-only and uses the production order line bin code. The selected bin is validated by standard warehouse management validation during posting; if validation fails, an error is displayed and the entered values are preserved for correction.

When the **Allow Edit Lot Production Date** field on the **Shop Floor Production Setup** page is turned on, the lot production date field is editable during output registration and uses the caption configured in the Aptean [Expiration Management](#) extension. When the field is turned off, the field is hidden. An error is displayed and registration is blocked when the entered date does not match the production date already recorded for the lot.

Note

- The lot production date is pre-populated when an existing lot is pre-populated — for example, when the **Lot No. Per** field is set to *User Defined*.
- The lot production date can also be edited on the **Production Order Details** page using the click-to-edit interaction, and is shown as a read-only column on the output listing.

6. In the **Quantity (UOM)** field, enter the quantity of the item you want to register as output. When this registered value differs from the planned value, the differences are represented in the Registered field value with following color code:

- Grey – Indicates that the registered field value is less than the planned field value.
- Green- Indicates that the registered field value is equal to the planned field value.
- Orange - Indicates that the registered field value is greater than the planned field value. The **Weight Quantity (UOM)** and **Tare Weight (UOM)** field values are updated based on the **Quantity (UOM)** field value.

Note

The **Tare Weight (UOM)** field value is set to 0 by default. You can also enter a non-zero tare weight if required. However, the system displays an error if the **Tare weight (UOM)** field value is less than 0.

7. Execute the **GET WEIGHT** action to update the weight fields. Alternatively, manually enter the weight quantity and tare weight values in the **Weight Quantity (UOM)** and **Tare Weight (UOM)** fields directly.

The **GET WEIGHT** action is available only when the Aptean [Weigh Scale](#) extension is installed.

8. Turn on the **Add Scrap Quantity** toggle to display the scrap quantity details on the **Output** page. You can add the scrap quantity in the **Scrap Qty.** field.

9. Select the **Print Label** checkbox to print a label for this output after registration is complete.

This functionality is available only when Aptean Labeling extension is installed and configuration for the labels are done properly. To know more see [Print Labels](#).

10. In the **Comment** field, enter the additional information related to the output registered. You can view all comments on the **Register Input** and **Register Output** pages from the **Shop Floor production Comments** list



page.

11. Select **Save** or **Save + New**. Selecting **Save** will register the output and close the page, whereas **Save + New** will register the output and open a new **Register Output** page.

Register output with lot attributes

To register output and enter advanced lot attributes, follow these steps:

1. Open the **Shop Floor Production** page.
2. On the **Production Orders** list page, select the desired production order.
3. Select the **Output** tile. The **Output** list page opens.
4. Select the required entry to register the output.
5. On the **Output Registration** page, select or enter the lot number for the item.
6. Select the **ATTRIBUTES** button. The **Lot Attributes** page opens.
7. Review or update the list of attributes populated from the global lot attributes and the item's lot attribute template. For each attribute:
 - If the attribute is editable, enter or select a value using the provided input field.
 - If the attribute has a fixed value, the field becomes non-editable.
 - If the attribute has allowed values only, the system displays the options in a dropdown.
 - The attribute field values get updated automatically based on the changes in the production order lines.
8. Select **SAVE**.

Note

For more information on lot attributes, see Aptean [Advanced Attributes](#).



Output correction

Article • 2/26/2026 • 2 min read

To reduce the quantity of an output previously registered to the production order, select the correct output action on the **Outputs** page. The correct output action is represented by a pencil icon in the **Actions** column of the output registrations table. Selecting the correct output action opens the **Output Correction** screen.

Output correction screen



The output correction screen is where you specify the exact output reversal you are looking to accomplish. On the left-hand side of the screen, a details sidebar shows various pieces of information about the chosen registration including the lot number, license plate number, and expiration date. To correct output, follow these steps:

- 1. Enter a quantity to subtract from the existing output registration. The default value of this field is 0.
- 2. Optionally, specify a comment detailing the reason for the correction.
- 3. Select the **Save** button.

When the pop-up closes, the **Outputs** screen will refresh to reflect the updated registration.



Shop Floor Production Registration Entries

Article • 2/25/2026 • 6 min read

Production registration entries are intermediary records that the system creates before posting to ledger entries. They serve as a staging step between Shop Floor Production activity and the final ledger entries in Business Central.

Consumption and output registration entries

When consumption or output registrations are posted from Shop Floor Production, the system creates a temporary production registration entry before converting it into an item ledger entry. These temporary entries are removed upon a successful or failed posting attempt, so they are not visible under normal circumstances.

Time

When [time entries](#) are posted, the system first converts them into production registration entries with the entry type *Time*. These production registration entries are then posted as capacity ledger entries. Unlike consumption and output entries, production registration entries of type *Time* remain visible until they are posted as capacity.

For more information on viewing and creating time entries, see [Shop Floor Production Time Entries](#).

For more information on posting time entries as capacity entries, see [Post Time Entries](#).

 **Note**

If the **Post Time Shop Floor** toggle is enabled on the **Shop Floor Production Setup** page, a released production order cannot be changed to *Finished* while unposted time entries exist.

View production registration entries

Select the Search icon  , enter **Shop Floor Production Registration Entries**, and then choose the related link.

By default, the page is filtered to show entries with a **Status Processing** of *Not Processed* or *Error*, sorted by most recent registration date.

The following fields are available on the page.

Field	Description
Entry No.	Specifies the number of the production registration entry.



Entry Type	Specifies the type of entry. Possible options are: <i>Output</i> , <i>Consumption</i> , or <i>Time</i> .
Prod. Order No.	Specifies the number of the production order related to this entry.
Prod. Order Line No.	Specifies the line number of the production order that is related to the entry.
Operation No.	Specifies the number of the production operation related to the entry. This field is only used for output entries.
Component Line No.	Specifies the number of the production component line related to the entry. This field is only used for consumption entries.
Item No.	Specifies the number of the item that was consumed or registered as output.
Variant Code	Specifies the variant code of the item related to the entry.
Description	Specifies the description of the item related to the entry.
Quantity	Specifies the quantity of registered output or consumption.
Weight Quantity	Specifies the weight quantity of registered output or consumption. This field is only visible when Catch Weight is active.
Unit of Measure Code	Specifies how the quantity is measured, such as in pieces.
Location Code	Specifies the location code related to the entry. This field is only populated when the Location Mandatory toggle is turned on in the Inventory Setup page.
Bin Code	Specifies the bin code related to the entry. This field is only populated when the Bin Mandatory toggle is turned on in the Location Card page.
Lot No.	Specifies the lot number related to the entry. This field is only populated when a tracking code is specified in the Item Tracking Code field on the Item Card page.
License Plate No.	Specifies the license plate number related to the entry. This field is only populated when the item is license plate tracked.
Shipping Container Code	Specifies the shipping container code related to the entry.
Expiration Date	Specifies the expiration date of the item related to the entry. This field is only populated when the Require Expiration Dates toggle is turned on in the Item Tracking Code Card page.
Setup Time	Specifies the setup time. This field is only populated for entries of the type <i>Time</i> .
Run Time	Specifies the run time. This field is only populated for entries of the type <i>Time</i> .
Stop Time	Specifies the stop time. This field is only populated for entries of the type <i>Time</i> .



Stop Code	Specifies the stop code. This field is only populated for entries of the type <i>Time</i> .
Capacity Unit of Measure	Specifies how the capacity is measured (for example, minutes). This field is only populated for entries of the type <i>Time</i> .
Scrap Quantity	Specifies the quantity of scrap that was registered during output. This field is only populated for entries of the type <i>Output</i> .
Register Date-Time	Specifies the date and time the entry was registered.
Registered By	Specifies the name of the user who registered the entry.
Extra Text Field 1-4	Specifies user-defined text fields that can be used in the Aptean Shop Floor apps.
Extra Decimal Field 1-3	Specifies user-defined decimal fields that can be used in the Aptean Shop Floor apps.
Extra Date Field 1-2	Specifies user-defined date fields that can be used in the Aptean Shop Floor apps.
Comment	Specifies the comment that was added by the operator to the output or consumption entry.
Status Processing	Specifies the processing status of the entry in Business Central.
No. of Attempts	Specifies the number of times the system has tried to process the entry.
Processed Date-Time	Specifies the date and time the entry was processed.
Error On	Specifies where an error occurred: during the creation of the item journal or when posting the item journal.
Error Text	Specifies the error text.
Item Journal Line Created	Specifies if the item journal line has been created.
Posting Date	Specifies the posting date of this entry.

Actions

Change Status Processed

The **Change Status Processed** action allows you to manually change the processing status of one or more selected entries. This is useful for managing entries that are in an error state or that should be skipped.

For example, you can change the status from *Error* to *Skip Processing* to prevent the system from retrying a problematic entry, or from *Skip Processing* to *Not Processed* to allow the system to reprocess it.



Time entries

Article • 3/30/2026 • 4 min read

A time entry is created when the production routing status is changed away from one of the following statuses in Shop Floor Production:

- Start-up
- Production
- Failure

When the status changes, the system creates the time entry and populates both the start and end times automatically.

View time entries

Select the Search icon , enter **Shop Floor Production Time Entries**, and then choose the related link.

All created time entries are shown. You can also access Shop Floor Production Time Entries from a Released Production Order. The following procedure describes how to access them.

1. Select the Search icon , enter **Released Production Orders** and choose the related link. The **Released Production Orders** page opens.
2. Select the preferred **No.** The **Released Production Order** page opens.
3. On the action bar, select **Related > Order > Entries > Time Entries**. The **Shop Floor Production Time Entries** page opens. You can view the following details associated with the defined released production order.

Field	Description
Entry No.	Specifies the number of the production time entry.
Prod. Order No.	Specifies the number of the production order related to this entry.
Prod. Order Line No.	Specifies the line number of the production order that is related to the entry.
Operation No.	Specifies the number of the production operation related to the entry.
Work Center	Specifies the number of the work center that is related to this entry.
Work Center Name	Specifies the name of the work center that is related to this entry.



Machine Center	Specifies the number of the machine center that is related to this entry.
Number of Operators	Specifies the number of operators who worked on the production order.
Shop Floor Control Status	Specifies the status of the production order routing line that is related to this entry.
Starting Date Time	Specifies the starting date and starting time of this time entry.
Ending Date Time	Specifies the ending date and ending time of this time entry.
Duration in Hours	Specifies the duration of this time entry in hours. This is the time that the routing line had the specific Shop Floor Production Status.
Duration in Seconds	Specifies the production time duration in seconds. The system automatically calculates this value by multiplying the duration in minutes by 60. If the Duration in Minutes field is left blank, this field also remains blank.
Duration in Minutes	Specifies the duration of this time entry in minutes. This is the time that the routing line had the specific Shop Floor Production Status.
Labor Duration in Hours	Specifies the labor duration of this time entry in hours. This is the total time that the operators have worked on a routing line in a specific status.
Labor Duration in Minutes	Specifies the labor duration of this time entry in minutes. This is the total time that the operators have worked on a routing line in a specific status.
Labor Duration in Seconds	Specifies the labor duration in seconds. The system automatically updates this field value based on the Labor Duration in Minutes field value.
Posted	Specifies if a Production Registration Entry has been created.
Production Registration Entry No.	Specifies the Production Registration Entry No. in which the Time Entry is processed to post as Capacity Cost.
Production Registration Labor Entry No.	Specifies the Production Registration Entry No. in which the Time Entry is processed to post as Capacity Labor Cost.
Corrected	Specifies if the time entry was corrected in Business Central.
Item No.	Specifies the number of the item that is related to this entry.



Item Description	Specifies the description of the item related to the entry.
------------------	---

 **Note**

The entries will be displayed only if the **Show in Shop Floor** toggle on the associated **Work Center Card** page is turned on.

Create manual time entries

You can manually create time entries from the **BC Time Entries** subpage when accessing the **Shop Floor Production Time Entries** page from a **Released Production Order** page.

 **Note**

- The **BC Time Entries** subpage is only visible when the **Shop Floor Production Time Entries** are accessed from the **Released Production Order** page and there are existing entries for the associated released production order.
- Once the **Posted** checkbox is selected on the **Shop Floor Production Time Entries**, you cannot edit the time entries. To register further operations, create a new entry in **BC Time Entries**.

1. On the action bar of the **BC Time Entries** subpage, select **New**. The **BC Time Entries** card page opens.
2. On the **General** FastTab, fill in the following required fields.

Field	Description
Prod. Order Line No.	Select the line number of the production order that is related to the entry.
Operation No.	Select the number of the production operation related to the entry. Together with the Prod. Order Line No. , this populates the work center and machine center fields automatically.
Shop Floor Control Status	Select the status to record for this time entry. The available options are <i>Start-up</i> , <i>Production</i> , and <i>Failure</i> .
Starting Date Time	Specify the starting date and time of this time entry.
Ending Date Time	Specify the ending date and time of this time entry. The starting date time must be before the ending date time.

3. Optionally, fill in the following fields.



Field	Description
Number of Operators	Specify the number of operators who worked on the production order. This field is only editable when the Shop Floor Control Status is <i>Start-up</i> , <i>Production</i> , or <i>Failure</i> .
Failure Code	Specify the code stating the reason behind the failure. This field is only visible when the Shop Floor Control Status is <i>Failure</i> .
Failure Text	Specify additional details regarding the failure. This field is only visible when the Shop Floor Control Status is <i>Failure</i> .

The following fields are populated automatically and cannot be edited.

Field	Description
Prod. Order No.	The production order number, inherited from the released production order.
Work Center No.	The work center number, inherited from the production routing line.
Work Center Name	The name of the work center.
Machine Center No.	The machine center number, inherited from the production routing line.
Duration in Hours	The duration of this time entry in hours, calculated from the starting and ending date time.
Duration in Minutes	The duration of this time entry in minutes, calculated from the starting and ending date time.
Duration in Seconds	The duration of this time entry in seconds, calculated from the duration in minutes.
Labor Duration in Hours	The labor duration in hours, calculated from the starting date time, ending date time, and number of operators.
Labor Duration in Minutes	The labor duration in minutes, calculated from the starting date time, ending date time, and number of operators.
Labor Duration in Seconds	The labor duration in seconds, calculated from the labor duration in minutes.



Post time entries

Article • 2/25/2026 • 3 min read

The **Post Shop Floor Production Time Entries** report converts time entries into production registration entries and posts them as capacity ledger entries. The report processes both Shop Floor Production time entries and manually created BC Time Entries.

Prerequisites

- The **Post Time Shop Floor** toggle on the **Shop Floor Production Setup** page must be turned on.
- The production order routing lines must have a Shop Floor Production status of *Finished*.
- For labor cost posting, a labor work center must be configured on the routing. For more information, see [Routing Line for Labor Costs](#).

Run the report

1. Select the Search icon , enter **Post Shop Floor Production Time Entries**, and then choose the related link. The **Post Shop Floor Production Time Entries** request page opens.

! Note

If the report is scheduled in the Job Queue, it cannot be run manually. The Job Queue entry must be put on hold before running the report manually.

2. On the **Options** FastTab, configure the following options.

Field	Description
Process Time Entries	Converts time entries into production registration entries of type <i>Time</i> . Turning on this option automatically turns on Post Shop Floor Production Registration Entries .
Post Shop Floor Production Registration Entries	Posts production registration entries of type <i>Time</i> with the status <i>Not Processed</i> as capacity ledger entries. This option cannot be turned off while Process Time Entries is turned on.

To run the full posting flow, turn on both options. The report converts time entries into production registration entries and then immediately posts them as capacity.



To post only existing unposted production registration entries (for example, entries that previously failed due to missing setup), turn on only the **Post Shop Floor Production Registration Entries** option. The report does not create new registration entries in this case.

Note

The system may produce errors during posting due to missing setup information (for example, General Ledger accounts). This can result in production registration entries with a *Not Processed* status. Turn on only the **Post Shop Floor Production Registration Entries** option to retry posting these entries after correcting the setup.

3. Select a **Posting Date Method** field value to determine how the posting date is set on the capacity ledger entries.
 - *Work Date*: Uses the current work date as the posting date.
 - *Ending Date*: Uses the ending date of the time entry as the posting date. Time entries with the same ending date are grouped together.
 - *Manual*: Uses the date specified in the **Posting Date** field, which becomes visible when this option is selected.
4. On the **Filter** FastTab, set filters to control which production orders or time entries are processed.
5. Select **OK**.

Results

After the report runs successfully:

- The time entries for *Start-Up* and *Production* statuses are marked as **Posted** on the **Shop Floor Production Time Entries** page.
- The **Production Registration Entry No.** and **Production Registration Labor Entry No.** fields on the time entries are populated with the corresponding registration entry numbers.
- The setup time (from *Start-Up* entries) and run time (from *Production* entries) are combined into production registration entries, which are then posted as **Capacity Ledger Entries**.



Shop floor production status

Article • 3/30/2026 • 6 min read

The **Shop Floor Production Status** page provides an overview of the current routing line status for released production orders. It shows the latest status set in Shop Floor Production, along with time and output information for each routing line.

Shop Floor Production Status

Select the Search icon , enter **Shop Floor Production Status** and then choose the related link.

You can also access the Shop Floor Production Status from a specific released production order:

1. Select the Search icon , enter **Released Production Orders** and then choose the related link. The **Released Production Orders** page opens.
2. Select the preferred **No.** The **Released Production Order** page opens.
3. On the **Lines** FastTab, select **Line > Routing**. The **Prod. Order Routing** page opens.
4. Select the preferred **Operation No.** and then select **Shop Floor Production Status** on the action bar. The **Shop Floor Production Status** page opens, filtered to the selected routing line.

The following fields are displayed on this page.

Field	Description
Entry No.	Specifies the number of the production status entry.
Prod. Order No.	Specifies the number of the production order related to this entry.
Prod. Order Line No.	Specifies the line number of the production order that is related to the entry.
Item	Specifies the item number related to the production order line.
Description	Specifies the description of the item.
Operation No.	Specifies the number of the production operation related to the entry.
Number of Operators	Specifies the number of operators who worked on the production order.
Shop Floor Control Status	Specifies the current status of the production order routing line, as set in Shop Floor Production.
Last Status Change	Specifies the date and time of the last status change for this entry.



Recurring Value	Specifies the recurring value of this entry.
Total Production Time in Minutes	Specifies the total production time in minutes. This is the time that the routing line had the specific Shop Floor Production status.
Total Production Time in Hours	Specifies the total production time in hours. The value is automatically calculated by dividing the total production time in minutes by 60.
Total Production Time in Seconds	Specifies the total production time in seconds. The value is automatically calculated by multiplying the total production time in minutes by 60.
Quality Trigger Recurring Check	Specifies the quality trigger recurring check of this entry.
Work Center No.	Specifies the work center number associated with the entry.
Total Output Quantity	Specifies the total output quantity registered for this entry.
Failure Code	Specifies the code stating the reason behind the failure of the released production order.
Failure Text	Specifies the descriptive text that accompanies the failure code.

! Note

The **Failure Code** and **Failure Text** fields are kept in sync with the **Shop Floor Production Time Entries** associated with the released production order.

Prod. Order Routing Status

The **Prod. Order Routing Status** page shows the current Shop Floor Production status for all routing lines across all released production orders. This provides a cross-order view of where each routing line stands in the production process.

Select the Search icon , enter **Prod. Order Routing Status**, and then choose the related link.

The current status of each routing line is also displayed on the **Prod. Order Routing** page within the production order.



Process family production orders

Article • 5/7/2025 • 2 min read

You can perform shop floor activities for production orders that use the *Family* source type or items with a family profile on the **Shop Floor Production** page in Business Central, the same way you process other production items.

To process production orders with a family, see [Create production document with family](#).

When you process a production order that uses the *Family* source type, the system treats related items as a group. This simplifies production management and standardizes how information appears across the application.

- On the **Production Orders** list page, the system displays one line for the entire family-based production order. All outputs are processed in the same order.
- On the **PO Details** page,
 - Certain field values, such as **Variant** and **Order Line No.**, are not applicable to family orders and are displayed as “—”.
 - Packaging information is displayed for all items within the family.
- Work instructions apply to all items in the family and cover all variants.
- Input items appear as one line only if they’re defined as components on the family record. If the same input item, such as *Milk*, is listed separately for each output item and not on the family record, it appears multiple times, once for each output. To streamline the input view and avoid duplicates, add it as a component on the **Family** page.
- Components of a specific item in the family are also listed.
- The name of the finished good appears in the component description.

Avoid the following actions when working with family-based production orders. These actions aren't supported and result in errors in the shop floor.

- Adding unplanned outputs, co-products, or manual production order lines.
- Registering time for capacity on the **Shop Floor Production** page. The shop floor production time entries are not recorded for family orders completed through shop floor production.



Troubleshooting

Article • 3/30/2026 • 3 min read

Production order not appearing in Shop Floor Production

A production order is only shown in Shop Floor Production if it meets all of the following conditions:

- The production order has the status *Released*.
- The **Show in Shop Floor** toggle on the **Work Center Card** page is turned on for the work centers linked in the routing of the production order. The work center must also be on the last routing line of the production order line.
- The user who has logged in to Shop Floor Production is linked to the work centers in the routing of the production order.
- The **Starting Date** of the routing line falls within the date range defined by the **Date Formula Show Prod. Orders** field on the **Shop Floor Production Setup** page. If no date formula is configured, the system defaults to showing production orders with a starting date up to one day in the future.

Note

Shop Floor Production only accepts production orders with the **Source Type** field value set as *Item*, *Sales Header*, or *Family*.

Time entry posting errors

When posting time entries as capacity through the **Post Shop Floor Production Time Entries** report, errors can occur during two stages: creating the item journal line, or posting the item journal line. The cause of the error is visible in the **Error Text** field on the **Shop Floor Production Registration Entries** page.

Error during item journal posting

When an error occurs during posting, the failed item journal lines are moved to the **Output Error Journal**. To resolve:

1. Fix the underlying cause of the error (for example, missing General Ledger accounts).
2. Post the **Output Error Journal**. The production registration entries will be changed to the status *Processed*, and the capacity will be posted.



Alternatively, you can delete the lines from the **Output Error Journal**. This resets the production registration entries to the status *Not Processed*. You can then run the **Post Shop Floor Production Time Entries** report again with only the **Post Shop Floor Production Registration Entries** toggle enabled to retry posting.

Error during item journal line creation

When an error blocks the creation of the item journal line, the system retries up to three times before changing the status of the entry to *Error*. To resolve:

1. Fix the underlying cause of the error.
2. Use the **Change Status Processed** action on the **Shop Floor Production Registration Entries** page to change the status back to *Not Processed*.
3. Run the **Post Shop Floor Production Time Entries** report again with the **Post Shop Floor Production Registration Entries** toggle enabled. The production registration entries will be posted as capacity and changed to the status *Processed*.



Migrate from Apteian Shop Floor Production Power App

Article • 11/26/2025 • 4 min read

You can smoothly transition from the current Shop Floor Production Power App to the new Shop Floor Production (BC).

Before you migrate, we suggest that you complete all production orders and disable the work centers in the Shop Floor Production Power App. The following procedure outlines the migration process.

1. Select the Search icon , enter **Shop Floor Production Setup**, and then choose the related link.

The **Shop Floor Production Setup** page opens.

2. On the settings icon, select **Personalize**.

3. Search for **Enable SFP in BC** toggle, drag and drop it on the page.

This toggle is editable when:

- The status of all the production orders in the Shop Floor Production Power App has the status of *Finished*.
- All work centers are stopped, ensuring that the required quality checks are created.
- The Apteian Quality Control Power App is installed and integrated instead of the Apteian Quality Control (BC).

Note

It is suggested that the Apteian [Quality Control \(BC\)](#) is installed as Quality Control (Power App) is not supported with this version of Shop Floor Production (BC).

- There are no unposted entries on the Apteian **Shop Floor Production Time Entries** page.

When the **Enable SFP in BC** toggle on the **Shop Floor Production Setup** page is turned on, the system will display a confirmation message to ensure that all work centers in the Power App version of SFP are stopped beforehand to avoid missing any quality checks. It is important to note that once this option is enabled, switching back to the Power App version of SFP will no longer be possible, and the user will be prompted to confirm their action before proceeding.

The following confirmation messages are displayed when the **Quality Control Extension** field is set as *Quality Control Power App*.

- *This option cannot be turned on because the Quality Control in Power App is currently active, and it's not supported by Business Central version of SFP. To proceed, switch to Quality Control in BC.*
- *Ensure that Quality Control in BC is installed, as Quality Control in Power App is not supported. Do you want to continue?*



When you install the Aptean Shop Floor Production (BC), you cannot migrate back to the Aptean Shop Floor Production Power App. Additionally, you cannot use Aptean Quality Control Power App, instead you can use only the Aptean [Quality Control \(BC\)](#).

Once enabled, the system will transfer user information from the Office365 User table to the Shop Floor Users table. However, work instructions from SharePoint will not be transferred and must be migrated manually.

Set up and migrate work instructions

You can set up and migrate work instructions into the shop floor production module. It enables management and access to documentation, streamlining production processes and ensuring instructions are readily available for specific items or work centers.

For more information, see [Work instructions](#).



Integrations

Article • 1/28/2026 • 1 min read

The Aptean Shop Floor Production (BC) extension has been integrated with the following extensions:

- [Aptean Labeling](#)
- [Aptean Quality Control](#)
- [Aptean License Plating](#)
- [Aptean Catch Weight](#)
- [Aptean Packaging](#)
- [Aptean SSCC](#)
- [Aptean Process Manufacturing](#)
- [Aptean Advanced Comments](#)
- [Aptean Expiration Management](#)
- [Aptean Weigh Scale](#)
- [Aptean Quality Control \(BC\)](#)
- [Aptean Beverage Advanced Warehouse Management](#)
- [Aptean Lot Management](#)
- [Aptean Advanced Attributes](#)
- [Aptean Standard Measurements](#)



Aptean Labeling

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Labeling](#) extension, you can print labels automatically after registering the output. To know more see [Print Labels](#).



Aptean Quality Control

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Quality Control](#) extension, the system automatically triggers quality alerts at the start and stop of the work center. To know more, see [View work centers/machine centers](#).



Aptean License Plating

Article • 10/22/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [License Plating](#) extension, you can assign license plates for the items on the production order during the input and output registration process.

Additionally, you can register the consumption of all inventory items associated with a license plate in one step. To know more, see [Consumption by entire license plate](#).



Aptean Catch Weight

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Catch Weight](#) extension, you can view the weight quantity of the item in the selected production order.



Aptean Packaging

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Packaging](#) extension, you can view the default packaging of the item is shown on the packaging card on the **PO Details** page.



Aptean SSCC

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [SSCC](#) extension, the system generates the shipping container codes on the **Register Output** page.



Aptean Process Manufacturing

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Process Manufacturing](#) extension, you can register the output of the co-product item. To know more, see [Outputs](#).



Aptean Advanced Comments

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Advanced Comments](#) extension, you can add comments related to the item on the **Register Input** and **Register Output** pages.



Aptean Expiration Management

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Expiration Management](#) extension, the system calculates the expiration date of the item after output registration in the production order.



Aptean Weigh Scale

Article • 3/13/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Weigh Scale](#) extension, the system calculates the tare weight and weight from scale fields during the output registration.



Aptean Quality Control (BC)

Article • 7/22/2026 • 4 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Quality Control \(BC\)](#) extension, you can navigate to quality checks on the **Quality Control App** page from production orders for streamlined quality control during production. To know more, see [Production Order Overview](#).

Further, you can navigate from production orders to quality checks on the **Quality Control App** page for streamlined quality control during production and set up recurring job queue checks using the **Create Job Queue Entry for Recurring Quality Control Checks – QCA** action on the **Shop Floor Production Setup** page. For more information, see [Integration with Aptean Shop Floor Production \(BC\)](#).

View the quality check badge on input and output pages

A quality check badge appears in the top bar of the **Input** list page and the **Output** list page, showing the open quality check count for the current production order. The badge shows the same count as the quality tile on the **Production Order Overview** page.

Select the badge to open the **Quality Control App** pre-filtered to the production order. The badge is hidden when the open quality check count is zero, and a loading indicator is shown while the **Quality Control App** is opening. The count is refreshed after a registration is posted and when the global refresh button is selected.

Create an ad-hoc quality check

A one-off quality check can be created directly from the **Production Order Overview** page without leaving Shop Floor Production.

1. On the **Production Order Overview** page, select the + button next to the quality tile.
A dialog opens with the production order number, line number, operation number, routing number, work center, and location code shown as read-only.
2. Enter information in the following fields:

Field	Description
QC Team	Select the quality control team. The team is pre-populated from the Default QC Team field on the Shop Floor Production Setup page when configured, and can be changed.
QC Plan	Select the quality plan. Only certified plans with an effective date on or before the work date are offered.



3. Select **OK**.

The quality check is created and a message offers direct navigation to the new check in the **Quality Control App**.

 Note

- The **OK** button is not available until both the **QC Team** and **QC Plan** fields are filled in.
- When the check cannot be created — for example, the plan is not certified or its effective date is in the future — the dialog displays the error and preserves the entered values.

For example, an operator notices an off-odour while running a production order. The operator opens the **Production Order Overview** page, selects the + button next to the quality tile, accepts the default **QC Team**, selects a certified **QC Plan**, and selects **OK**. The quality check is created against the production order, and the operator chooses to navigate straight to it in the **Quality Control App**.

Track multiple simultaneous recurring quality checks

Multiple recurring quality check triggers can run at the same time on a single production order routing line. Each trigger is tracked independently and scheduled against the actual cumulative production time, so a late job queue run does not skew the schedule.

Select the **Recurring Quality** action on the **Prod. Order Routing** page to open the **Recurring Quality Check Tracking** page. The page lists every tracking row for the routing line, including the following:

- The **Next Check Expected** column shows the calculated wall-clock estimate, the remaining production minutes, or the target quantity, based on the trigger type and production status. An asterisk indicates the next check will not be created automatically because an open quality check has not yet been posted for the trigger.
- The **Open QC Checks Count** and **Posted QC Checks Count** columns show the related check counts and drill down to the matching checks.
- The **Active** field shows whether the job queue evaluates the row.

Select the **Force Check Now** action to create a quality check immediately for the selected row and reset the recurring baseline so the next scheduled check is measured from that moment. The action is blocked when an open quality check already exists for the trigger and the **Allow Multiple Open Checks** field is turned off, or when the production order line has reached the **Max Recurring QCA** limit on the **Shop Floor Production Setup** page.

Turn on the **Create First Recurring Check on Start** field on the **QC Triggers** page to create the first quality check the moment production starts for a matching trigger, before the first interval elapses. The field is editable only when the **Recurring Type** field is set to *Recurring Qty* or *Recurring Time*.

For example, a routing line matches a temperature trigger every 30 minutes and a weight trigger every 60 minutes. When production reaches 35 minutes of actual production time, a quality check is created for the 30-minute trigger



while the 60-minute trigger continues to wait, and the **Recurring Quality Check Tracking** page shows the next expected check for each trigger.



Aptean Beverage Advanced Warehouse Management

Article • 4/22/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean Beverage [Advanced Warehouse Management](#) extension, Drink-IT Edition, you can specify an alternative license plate (license plates created through advanced warehouse management) during consumption correction in shop floor production. To know more, see [Correct consumption with AWM license plates](#).

You can also register consumption by scanning Aptean Warehouse Management license plates using the GS1 barcode scanning workflow. For more information, see [Register consumption through GS1 barcodes](#).



Aptean Lot Management

Article • 7/2/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Lot Management](#) extension, you can define the format in which the lot number appears the **Shop Floor Production Setup** page. For more information, see [Set up shop floor production](#).



Aptean Advanced Attributes

Article • 7/2/2025 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Advanced Attributes](#) extension, you can record advanced lot attributes while registering outputs. The system allows you to view and enter relevant attribute details for output lots as required.



Integration with Aptean Standard Measurements

Article • 1/28/2026 • 1 min read

When the Aptean Shop Floor Production (BC) extension is used in conjunction with the Aptean [Standard Measurements](#) extension, you can register production order consumption by scanning GS1-compliant barcodes. To know more, see [Register consumption through GS1 barcodes](#).



Known issues

Article • 4/22/2026 • 1 min read

The table below lists known issues identified across releases. We are actively investigating and resolving them as part of our commitment to continuous improvement.

ID	Description	Status	Found in Version	Fixed in Version	Workaround
358703	The system incorrectly evaluates the <i>Finish before posting doc</i> option defined on a <i>Failure Work Center</i> type quality control trigger when determining whether an open <i>Start Work Center</i> quality control check prevents starting a production order.	Fix Released	2601.2.0.0	2601.3.0.0	Disable the <i>Finish before posting doc</i> checkbox for all <i>Start</i> , <i>Failure</i> , and <i>Stop Work Center</i> type quality triggers.
358704	The system does not pre-populate inherited lot attributes on the output lot when posting output registration in shop floor production without opening the Attributes page.	Fix Released	2601.2.0.0	2601.3.0.0	Ensure that users completing outputs select the Attributes button on the Output Registration page before posting registration.

