Innova Release Notes

Version: 6.1.0
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Innova 6.1.0 Release Notes

Highlights

This version of the New Innova Release contains the Innova Platform and selected products and modules available for new installations, including a number of additional application modules that were made available in this release. See New in this release.

Breaking changes

This release contains breaking changes to the **Base (Core)** module. The **Assembly resolver** was extracted from the Core to improve modularity and mitigate risks related to dependencies. This make it easier to provide updates and bug fixes in Core without requiring full installation.
As a result, updates to all available modules were also required so that they now use the new Assembly resolver and Base 6.0.2.
See Assembly resolver moved from Core.

In addition, changes were made to the **Process** module to enable more than four QA marks per individual. **QA mark** columns 1-4 were removed from the **proc_individuals** table and a new **QA marks** table was added to the Process module.
See QA mark 1-4 columns removed from the proc_individuals table.

Included in this release

The following Innova modules and products are included in this release from version 6.0.2:

Innova module	Module version	Product name	Disclaimer
Base	6.0.2	Not a sold product	
Data Visualization	3.3.1	Not a sold product	
Process	5.0.1	Innova Final Goods Manager	
		Innova Inventory	
		Innova Labeling	
		Innova Order Manager	
		Innova Time Registration	

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Web UI	3.1.1	Not a sold product	
Carrier View	3.0.0	Not a sold product	Included to support the CLS and SIS (IPPS) modules
CLS	2.0.1	Innova Chiller Logistics System	Generally available but requires Engineering support
Deboning	3.0.0	Innova Meat StreamLine	Generally available but requires Engineering support
Decision Matrix	2.0.0	Not a sold product	
Grading	3.0.0	Innova RoboBatcher	
		Innova Accuro	
		Innova Grader	Generally available but requires Engineering support
		Innova Compact Grader	
		Innova Flowscale	Generally available but requires Engineering support
		Innova SmartSort	Generally available but requires Engineering support
Integration	3.0.2	Innova Integration Services	
IRIS	3.0.0	Innova Intelligent Reporting, Inspection and Selection (IRIS)	
OEE	4.0.0	Innova OEE	This module was part of release 6.0.2 as a support for other modules. This release includes support for selected products only on request.
OptiPack	3.0.0	Innova Packing	Support for OEE in this release of OptiPack is available only on request.
		Innova Mcheck2	
		Innova Multihead Weigher	Generally available but requires Engineering support

		Innova SpeedBatcher	Generally available but requires Engineering support
		Innova TargetBatcher	Generally available but requires Engineering support
PDS	4.0.1	Innova PDS	Included to support the PDS functionality needed for IRIS, SmartWeigher (and PDC which is not released yet). (Abstraction module)
Portioning	2.0.0	Innova FleXicut	
		Innova I-Cut (single lane)	Generally available but requires Engineering support
QC	2.0.0	Innova Quality Control	
SensorX	3.0.0	Innova SensorX Poultry	
SIS	2.0.0	Innova Primary Processing Software (IPPS) - Beef	Generally available but requires Engineering support
		Innova Primary Processing Software (IPPS) - Pork	Generally available but requires Engineering support
SmartWeigher	3.0.0	Innova SmartWeigher	Generally available but requires Engineering support
Sol.BoxSorter	2.0.0	Not a sold product	
WPL	2.0.0	Innova WPL	
		Innova Inline OCM 9500	
Trimming	4.0.0	Innova Trimming	Generally available but requires Engineering support
		Innova Manual Trimming	Generally available but requires Engineering support
		Innova Fish Streamline 900	Generally available but requires Engineering support

		Innova Poultry Streamline 900	Generally available but requires Engineering support
Unit Operations	3.0.0	Innova Unit Oper-ation Station	
Web	3.0.0	Innova Web	
Yield	3.0.1	Innova Yield Control	

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INNOVA
Food Processing Software

New in this release

The following application modules were also added as part of the New Innova Release in version 6.1.0:

Innova module	Module version	Product name	Disclaimer
Grading	3.0.0	Dynamic Order Control (see SPacker)	
		Innova FleXisort	
		Takeaway with Integrated Checkweigher	
		Takeaway with Terminal	
IMPAQT	3.0.0	Innova IMPAQT	
Monitoring	3.0.0	Innova Equipment Monitoring	Included to support alarms in the IMPAQT product. The Equipment Monitoring product is not released.
Sol.Fish	3.0.0	Innova Purchase Order Reweighing	Not a formal product
OptiPack	3.0.0	Box Management System (BMS)	Solution not sold as a standard product
		Packing Scale License	
Portioning	2.0.0	Innova I-Cut (dual lane)	
Sol.SPacker		Dynamic Order Control (SPacker)	
Sol.WFExport	2.0.1	Not a sold product	
Stork Solution	1.0.0	Not a sold product	
Trimming	4.0.0	Innova Poultry Streamline 1100	

Weighbridge	3.0.0	Not a sold product	
Yield	3.0.1	Yield Registration Device	

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Base

Module: 6.0.2
Changes in this release are from module version 5.1.4 to 6.0.2.

Breaking changes

The following new features and improvements are breaking changes:

Assembly resolver moved from Core

The **Assembly resolver** was extracted from the Core (Base) module to make it easier to provide updates and bug fixes in Core without requiring full installation.
Marel.Mp6.AssemblyResolver.dll is now found in the Applications lib folder, not the Modular lib folder.
The modules in this release cannot be installed individually against older Innova release packages. All modules must be upgraded to the versions in this release.
If new versions or bug fixes are released, then all module applications must recompile to use the update.

New features and improvements

The following new features and improvements to functionality were added:

Module dependecy checker

The baseop command **verify_assembly_dependency** was added to validate whether all required assemblies have been installed. This command can be run via **baseop -o vad**.
Migration tasks were added to the Toolbox so that it runs the new command before running migrations.
In addition, an error was fixed that caused the execution result to not be returned, and an option was added to not run the assembly dependencies check migration task.

Remove ClientPluginService

The **ClientPluginService** is no longer used. As a result, the ClientPlugin interface and all references to ClientPlugins and ClientPluginService were removed.

SqlLookupColumn view extension now available

The **SqlLookupColumn** view extension is now available with this release.

The following configuration changes were made:

```
<DataRoot>

  <DataRoot>
    <Marel.Mp6.Base.UI.UserForms.StandardGrid.Extensions.SqlLookupCo-
lumnConfiguration>
      <Caption>Tare sum</Caption>
      <KeyColumns>itpackaging</KeyColumns>
      <NullableValue>-1</NullableValue>
      <SqlQuery>
        SELECT round(sum(it.pkweight),4)
        FROM proc_materials it
        LEFT JOIN proc_packagingl pkl ON pkl.packaging = it.material
        WHERE pkl.parent = {0}
      </SqlQuery>
    </Marel.Mp6.Base.UI.UserForms.StandardGrid.Extensions.SqlLookupC-
olumnConfiguration>
  </DataRoot>
</DataRoot>
```

Lot automatic reload on station

A new configuration option in **LookupInputFields** was added to UltimateStationCE: **ReloadDataOnNewProductionDay.** It reloads the lookup data when a new production day starts in related process unit.

Allow progman to start without -i

Now **progman** can start without the -i parameter.
If no -i parameter is supplied, progman will look for entries in **base_sysprograms** that match the computer name or the IP address. If one entry exists, then progman starts. Otherwise, it stops and logs the reason.

DepartmentDataSourceType defining parameter fc

DepartmentDataSourceType no longer has criteria parameters for **CreatedBy** and **ModifiedBy**.

Move TestTool.PlutoProgManWebService to AppTools

PlutoProgManWebService was moved from **Tools** to **TestApps**.

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Install/unistall progman service after installation

Base now supports the installation of the progman service after the Base module has been installed.
NOTE: Before updating modular installations where this feature was not included, it's recommended to delete the progman Windows service on client machines and then use this feature to install the progman service where applicable.
For more information, see the latest *Innova Installation Manager manual*.

License install message is not correct

The message that appears when a license key is installed successfully was updated to reflect the fact that the Innova service must be restarted after installing the license key.

Add new Logiflex message attribute

A new Logiflex attribute, **ATT_COMPLETES_BATCH**, can be used to inform the device that the item being processed is the last item in a batch.
The value of the attribute should be "1" if this is the last item, otherwise "0".
The value can then be used on the device to turn on a light to notify the operator that the box should be closed.

Korean translations added

Korean translations are now available for Base.

Handle QuickConfig validation exception

A fix was made to improve the user experience. When a QuickConfig module program validates the details provided by the user and determines that the input is invalid, the form now stays enabled for user input.

Bug fixes

The following bugs were fixed:

Unit Operations - In RM Receiving IPC, can not register packs

The following changes were made:
- In Core:
- The **WeightRes1** property was added to the **IScale** interface. This is needed when data from the scale is registered to the database, in e.g. UnitOperation.
- In Base:

- The implementation of the WeightRes1 property that was added to the IScale interface was added to Base.
- Changes were also made to Unit Operations. See Unit Operations.

Configure button not working for M2400

The **Configure** button was enabled for the M2200 driver, which also applies to M2400 driver and the Pluto driver.
Because the M2400 inherits from the M2200, the configuration is the same.

Client License Checker spams log

A flag was added to **ClientLicenseChecker** to make sure the exception caused by not connecting to license manager is only reported once.
In addition, exception handling was added to **MenuService GenerateMenu** so that errors are forwarded to the client requesting the menu.

QC not handling the module license check correctly

The license code version was disabled in the function **ObtainPermanentLicense** in **LicenseAuthority**.
In addition, unused properties were removed from **LiteLicenseChecker.CheckLiteLicense**.

Usage Log is not reporting the correct User and User Interface Item

The **Usage Logs** grid was fixed and now the correct user interface item is displayed.

Marel.Mp6.Core missing from XML data store in new installations

Marel.Mp6.Core was missing from the XML data store in new installations. This was fixed.

System.Drawing.Common reference missing in Toolbox

The **System.Drawing.Common** reference was missing from the Toolbox. This was fixed.
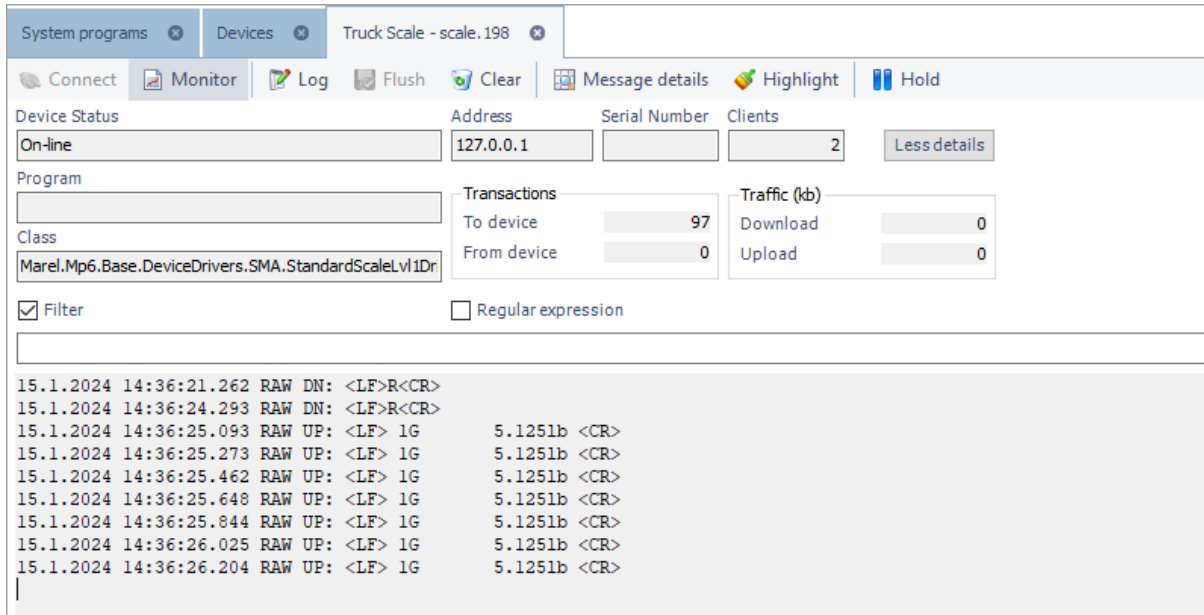
Translation in BplXamarin doesn't work

A translations mistake in PDA applications was fixed.

Document System - Disable the F1 button to open help

The F1 command key is now disabled until the application help has been implemented.

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Third-party truck scale traffic problem

Device traffic on third-party truck scales did not show any tracing data. Now raw data traffic from the SMA StandardScaleLvl1Driver is reported for WinUI device traffic monitoring.

Third-party scale - mp6router.exe crashes and restarts at random times

This was fixed by removing the call to the not-implemented **DoSendRaw** method in the base class.

Role assignments - Scope entity does not have a drop-down when making a new record

This was fixed by changing the column order so that the **Scope Entity Type** column is now before **Scope Entity** column.

PDC print setup is lost after report refresh

As a result of PDC report print improvements, the set print setup was lost after a report refresh. To fix this, only set **Paperkind** from the default printer when report **printsettings** are not changed.
The inherited class **printSettingsChanged** can set to "True" after changing the print setup.
Note that Innova PDC is not yet released.

Known issues

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The following are known issues in this release:

Innova Installer 1.5.0 shows misleading error message

Some installation scenarios trigger the error message "Failed to run: 'Shut down programs in the module folders'. Could not find a part of the path 'C:\Program Files (x86)\Marel\Innova\Modules'. Do you want to continue with the installation?"

Workaround

Click **Yes** and continue the installation. This should be a warning message only.

BoxSorter

Module version: 2.0.0

Changes in this release are from module version 1.3.2 to 2.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Improvements to sorting programs

Sorting programs now support defining a range of gates for a program line. This makes it possible to distribute items to a range of gates.
The **Gate** (int) column in **box_sortingprograml** was altered (to string) and renamed to **Gatelist** to support a list of gates, e.g. 1-3,5-6.
The **Gate** attribute in the **SortingProgramLineRecord** data class was renamed accordingly.

Process method

A new sorting method, **Process method**, was added to sorting program lines. This makes it possible to use a process method defined on items' material to control the sorting.
A new column, **processmethod**, was added to the **box_sortingprograml** to support this. Process methods are a relatively new feature in Innova.

Support for GateArrival messages from Logiflex devices

A new function was added and module interfaces were updated to support receiving **GateArrival** messages from Logiflex devices. This enables BoxSorter plugins to override this function and extend its functionality.

New MessageAttributes property

A new property, **MessageAttributes**, which is a dictionary<string, dynamic> was added to the **UnitInfo** class. This enables plugins to pass extra attributes to **ChangeRequest** Logiflex messages.

Bug fixes

There are no bug fixes to report in this release.

CLS

Module version: 2.0.0

Changes in this release are from module version 1.3.0 to 2.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Updates for new QA marks

The Carrier View and Decision Matrix were updated to handle the new QA marks for CLS.
In addition, the **QA marks** detail tab was added to the **Carcass information** view.
See Process

Decouple Deboning from CLS

The dependency to the **Deboning** module was removed.

Bug fixes

The following bugs were fixed:

ROLA-Move animal between stables

After moving an animal from one stable to another on the IPC (StablesIndividualsTerminalCe), the number of animals was displayed incorrectly. This was fixed.

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ROLA (StablesIndividualsTerminalCe) - marked stables is blocking "TO SLAUGHTER" action

When there are many stables, selecting (mark) one stable on the other screens prevented the operator from knowing why it was not possible to select a stable for the slaughter plan. This was fixed.

ROLA - Unloading terminal and incorrect values for Expected, Received, etc.

Values for **Expected** and **Received** were incorrect after animals had been **Deleted** or were in **Quarantine**. This was fixed.

ROLA - Hide Color selection on rola receiving individual terminal breaks the terminal

When selecting the **Hide color** checkbox, the terminal tried to load another view but the view remained empty. This was fixed.

ROLA - FIFO compartments do not seem to move up after moving to slaughter

When using FIFO in the ROLA stables, the pens displayed on the **Stables** terminal did not automatically move when the preceding pen was sent to slaughter, sick pen or otherwise emptied. This was fixed.

SIS.KillNumber_1 is reset after restarting Innova

If the Innova server was restarted during production, then the **KillNumber** was reset to first number of day. This was fixed.

Data Visualization

Module version: 3.3.1
Changes in this release are from module version 2.1.2 to 3.3.1.

New features and improvements

The following new features and improvements to functionality were added:

Sorting options for legend

Sorting options were added for the legend.

New properties and HTML templates

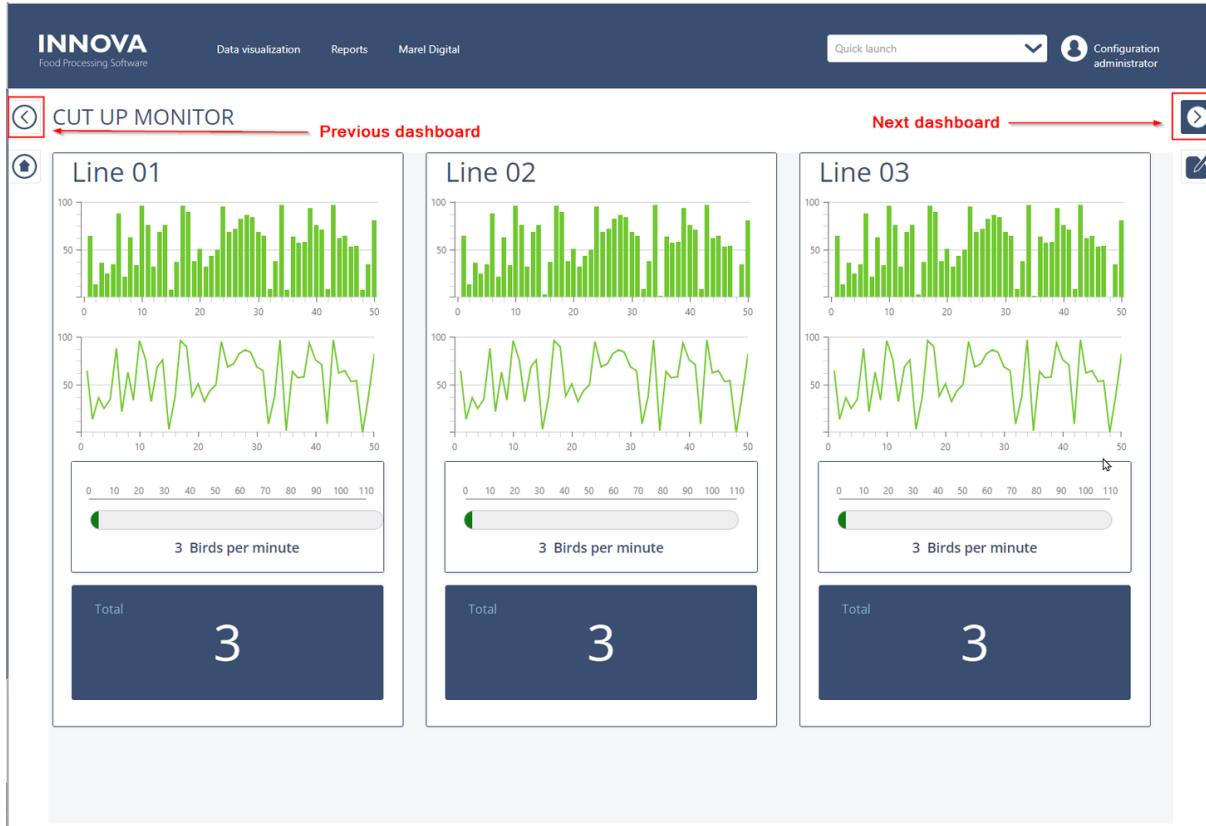New configuration properties and HTML controls were added to dashboards.

Dashboard sequences

You can now create a dashboard sequence and add multiple dashboards to that sequence.

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When you start a sequence, you can navigate through the dashboards by using the **Forward** and **Back** buttons.

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Dashboard criteria presets

You can now create an manage dashboard criteria presets for your dashboard. This way you can quickly and easily switch between dashboard criterias that you want to apply to your dashboard.

Manage (create, edit and delete) dashboard criteria presets in design mode:

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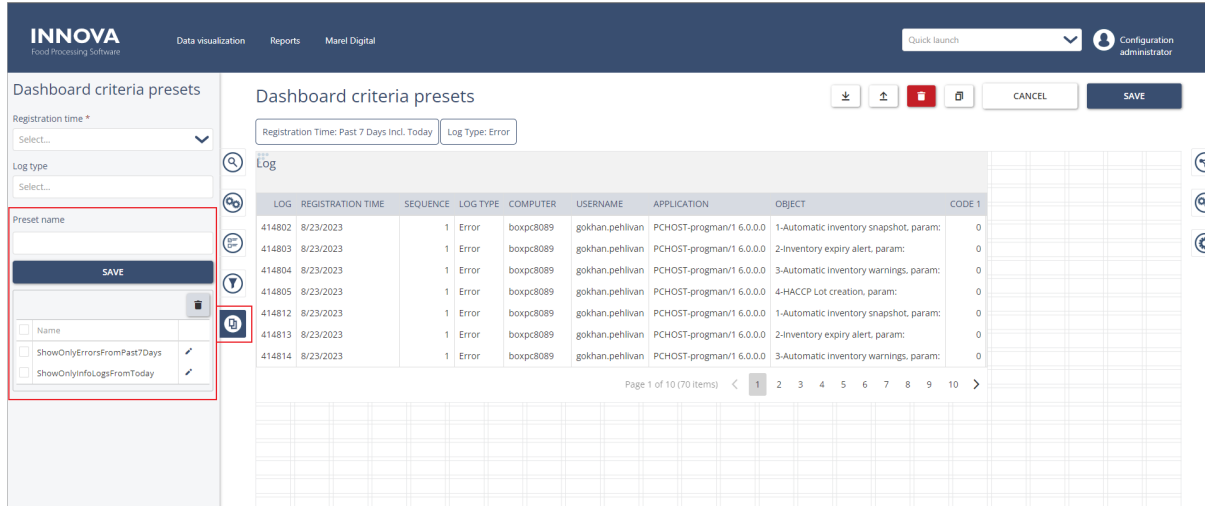
Apply dashboard criteria presets to your dashboard in view/edit mode:
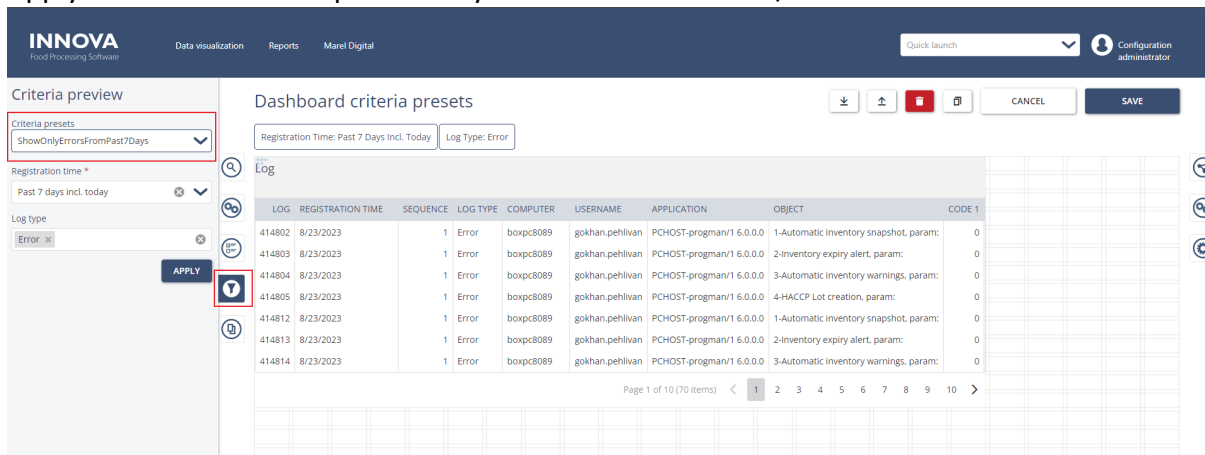
View access for dashboard templates

Access control on dashboard templates is now controlled using resource names, which lets you restrict design and view permissions.

Timer option in dashboard sequences

You can now set a display time for each dashboard in a dashboard sequence.
When you open a dashboard sequence that has a display time set, each dashboard in the sequence is displayed for the configured amount of time before moving to the next, like a slideshow.

Bug fixes

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The following bugs were fixed:

Date time range label not displayed correctly when using fixed data source criteria

The label for the date-time range was not displayed correctly when using fixed data source criteria. This is resolved. Instead of UTC format, the correct format is now shown.

Dashboards not loading on a WinUI client config with a HDMI Screen

Dashboards were not loading on an IPC client. For this, a work-around was created to use **WebUI** to load dashboards.

Criteria header issue on reports

The criteria header in a report is now refreshed if a lookup criterion has changed.
In addition, the dropdown grid column configuration of a lookup criterion only showed the default field layout. This is now fixed. The layout that is set by the criterion editor is now initialized.

Export and import dashboard before saving it gave an error

Exporting a dashboard and then importing it as a new dashboard caused an error. This was fixed.

Edit appearance tab error

The **Edit appearance** tab of a grid cell gave an error when you accessed it before saving the dashboard. This was fixed.

Fix browser pop-up when leaving the data source designer page

When closing the browser after saving changes in the **Data source designer**, an alert was triggered that prevented the Specflow test from switching to a different URL. This was fixed.

Fix refreshing role permissions if changed in the WinUI

Role permissions did not refresh properly when changed in the WinUI and as a result, were different in the WebUI. This was fixed.

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Equipment Monitoring dashboards can't be refreshed when viewed in the WebUI

When opening legacy Equipment Monitoring dashboards in Data Visualization (WebUI), the **SessionId** cookie was no longer read and the dashboard couldn't be viewed. This was fixed.

Innova can't load dashboard components

The Innova installer was installing parts of Data Visualization applications in the installation target folder instead of the Modules subfolder. This was fixed.

Calendar in registration time stays empty

The calendar drop-down was not shown in **Registration time** and **Production time** criteria. This was fixed.

WebUI Reports error "Input string was not in a correct format"

When trying to open a report in the WebUI, the error "Input string was not in a correct format" appeared in the log. This was fixed.

Could not get language files

Innova-DataVisualization could not fetch the Base language files from Innova-Base 6.0.1. This was fixed.

Known issues

The following are known issues in this release:

Missing Modules folder when upgrading from V5 or doing a greenfield installation of V6

When upgrading from V5 or doing a greenfield installation with no prior V6 installation present and using the Innova installer 1.5.0 or later, the **Modules** folder is not being created by the DV migration, resulting in not being able to start **DataVisualizationWeb** and **WebUiWeb**. This issue has been registered and will be fixed in the near future.

Workaround

After installation, manually insert the **Modules** folder into the Innova applications folder structure so that the path looks like the example below:

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- C:\Program Files (x86)\Marel\Innova\Modules\DataVisualization\Apps\ XX

Deboning

Module version: 3.0.0

Changes in this release are from module version 2.0.2 to 3.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Batching station with TAW needs to wait for ItemDeparture message after BatchCompleted message to receive bid on next piece

A new batching station with automatic takeaway was added that waits for the item departure from an automatic takeaway gate after a batch is completed. The batching station does not receive pieces for the next batch until both messages have been received: **BatchComplete** and **ItemDeparture**.
The new station type, **BatchingStationWithAutomaticTakeaway**, was added with a new workstation configuration:
Define a new workstation configuration in the same way as the Batching Station but with a new config entry: **BatchingStationWithAutomaticTakeawayConfiguration**.
You must define the location name mapping from the batching station gate to the location name for the takeaway gate. The current default mapping is from **streamline.1.batching** and to **streamline.1.fromBatching**.

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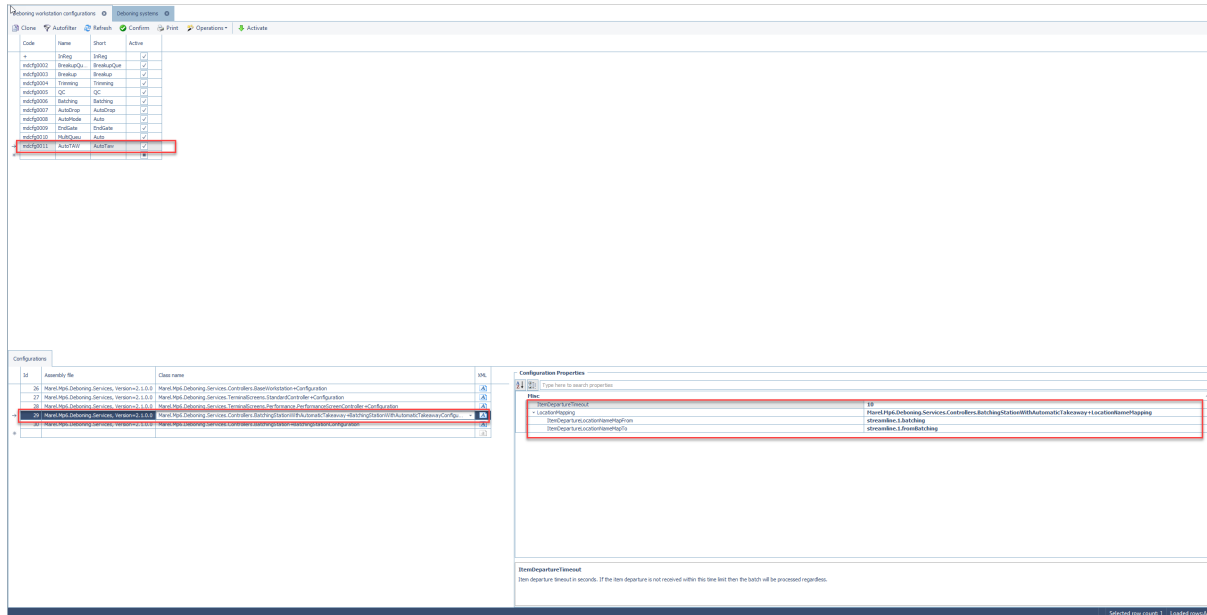
The value you're mapping from must match the batching gate on the **Gates** detail tab. In the example above, **streamline.1.batching** will be replaced with **streamline.1.fromBatching**, and the subscription is to **streamline.1.batching.3** and **streamline.1.fromBatching.3**.

In addition, a new configuration was added to set **ItemDepartureTimeOut**. If the **ItemDeparture** from the takeaway is not received by the set time frame, then the batch is still completed and discharged.

QA mark changes

Because of the **QaMark** changes in input stations when animals are created, QA marks were also removed from the **Station Queue** view.
See Process.

Adjustments to Deboning reports for QA mark changes

Reports were updated because of a change to the **QaMark** settings for animals. In some cases, you might need to update report parameters or remove and add a report again in the menu editor to get the updated report settings.
The **PieceDetails** screen was updated because of this change as well.
In addition, fixes were made to prevent exceptions when the **QaMark** list might be empty.
See Process.

Deboning reports - QaMark1

A more fail safe method was implemented in reports and pivot reports where **QaMark1** is visible.

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Programmed custom criteria

A new custom criteria was added to use in cutting patterns. The criteria checks if the base item is on order and whether the current criteria line has product which is in the order.

BaseItemOrder separation type for deboning separation service

A new separation type, **BaseItemOrder**, was added for the deboning separation service, which separates by the piece's base item order.

Final Item to include the data from Deboning Item

Now data from the **Deboning item** is added to the **Final item**, including Lot, Individual, Base item, Yield group, etc.

Trim Grader - Create Batch UO to support base item order in context

A new configuration property was added to the workstation configuration:
Marel.Mp6.De-
boning.Services.Controllers.BaseController.Configuration.UseBaseItemOrderOnFinalItem
This property indicates if the base item order of a piece should be used for final item recorded.

SLT QuickConfig - Fixes and additions

Improvements were made to the StreamLine Trimming (SLT) Quick Config in the Toolbox.
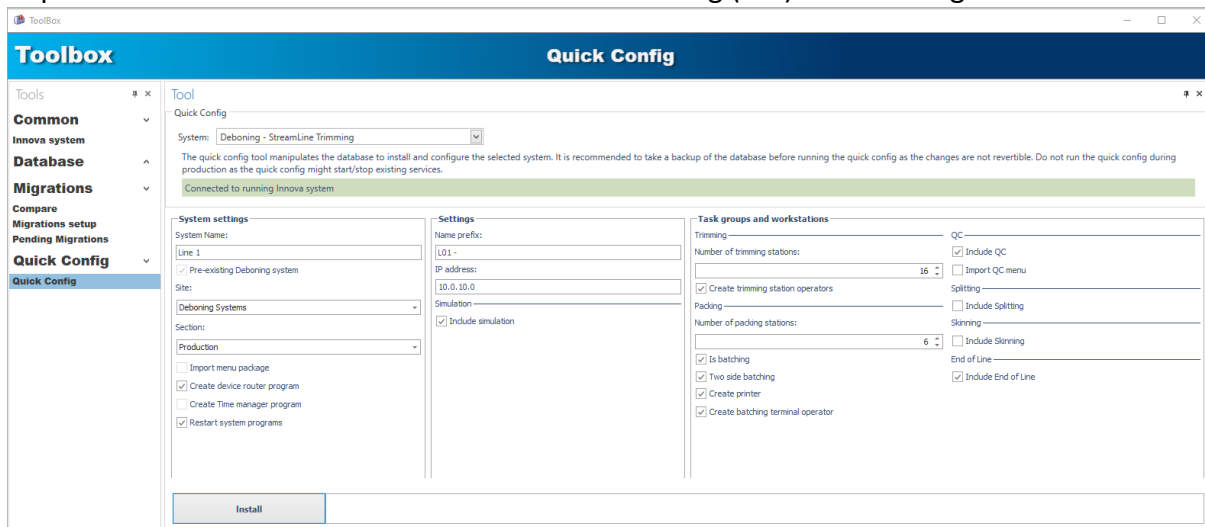
Recent pieces web terminal screen

The **RecentPieces** variable in the station configuration can now be used to limit the number of recent pieces on web terminal screens. The default value is "20". If the value is set to "0", then

all recent pieces are displayed. All pieces can be restored on the **Recent pieces** screen.

Add options to PieceFormat string on web terminals

The following options were added to the P**ieceFormat** string in the web terminal station configuration:

- Baseitem.Id
- Shift.code
- Shift.Name and
- animal.IdCode
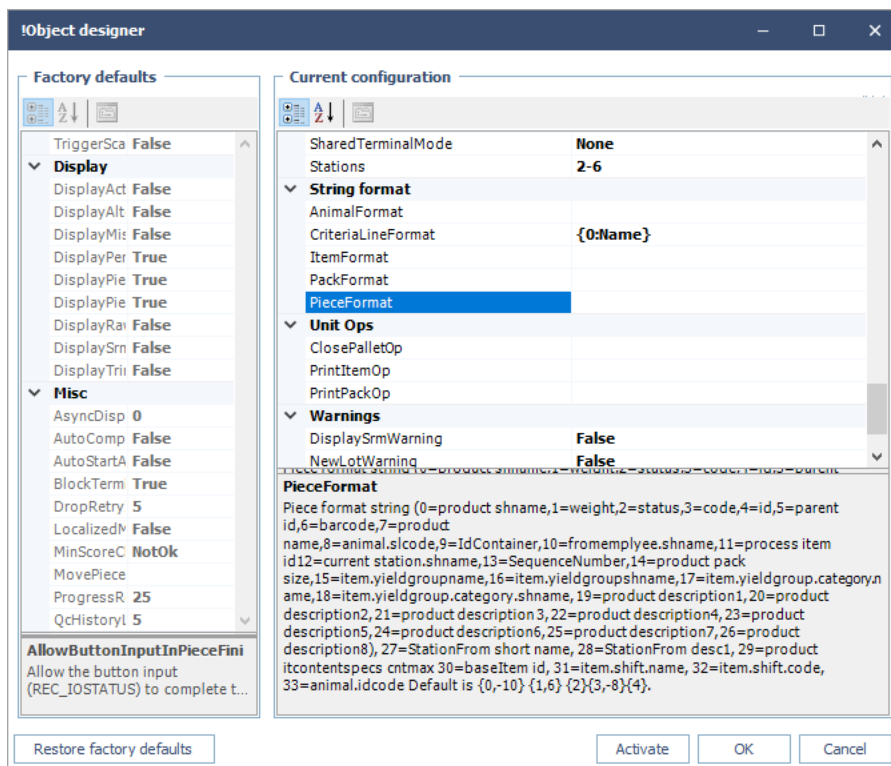
Bug fixes

The following bugs were fixed:

Deboning terminals (M3306) crashing

An issue was fixed where a piece deleted from **Station queue** in the WinUI caused problems on a web terminal deboning station.

Deboning.Services.TerminalScreens.StandardController

A bug was fixed in the Standard controller in Deboning that prevented the RT220 controller from being activated in correct cases when turning back light on and off.

Too Many report come with the UI Package and Pivot Reports are empty (No SQL)

The **Deboning.xml** menu package was updated to disable some reports. A bug that prevented the correct XML config for pivot reports from being loaded was fixed. This prevented the correct SQL for the reports from being loaded among other properties.

Barcode reader on/off improvements

The functionality of turning the barcode reader off on web terminals when leaving the **Select pieces** screen was improved.

Error if lot contains same QA mark more than once

A check was added in case the same **QaMark** is registered twice on the lot. This caused an error when records were added to the **proc_individual_qamarks** table.

Add column settings to config for Associated webterminal screen

The **Associated pieces** web terminal screen now has its own column configuration. **Animal.IdCode** was added as option to display on web terminal screens.

XML descriptions missing for configuration parameters in MultipleInputStationC

The descriptions of configuration properties in the **Multiple input station** were improved.

Grading

Module version: 3.0.0
Changes in this release are from module version 2.1.2 to 3.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Spacker/BMS - Handle completed batches that are rejected by takeaway

The Logiflex plug-in for Grading was extended to handle messages received from a termination location in the Logiflex TAW system. The purpose is to delete packs that the s-packer has created in Innova if a batch cannot be handled by the TAW system.
Configure the setting **TerminationLocation** in Marel.Mp6.Grading.Services.Plugins.LogiflexTakeaway.Configuration to point to the location in Logiflex that is the termination location in the TAW system.
Salmon Packer ("new" implementation) listens for an event that the Logiflex plug-in emits and deletes a pack if the **TerminationLocation** is reached.

Support for FleXicut Tres

See Portioning.

Bug fixes

The following bugs were fixed:

Error when trying to add the view Marel.Mp6.Grading.Reports.GradingWithCheckWeighing.CheckWeighingComparison

The Grading **CheckWeighingComparison** report no longer shows a configuration error when adding the view.

Quick Config list did not include Grading

Grading **Quick Config** functionality is now available in the **Toolbox**. Note that OEE and RoboBatcher features are NOT currently included.

Integration Services

Module version: 3.0.2
Changes in this release are from module version 1.2.1 to 3.0.2.

New features and improvements

The following new features and improvements to functionality were added:

SFTP file transfer

SFTP file transfer is now available as standard functionality.

Handle Individual QA marks when exporting individuals

A new configuration property, **IncludeQaMarks**, was added to **IndividualExportConfig** for export handlers. It is "True" by default.
Sample configuration:

```
<Marel.Mp6.In-
tegration.Services.ExportEngine.Base.IndividualExportConfig>
    <IncludeItems>False</IncludeItems>
    <IncludeQaMarks>True</IncludeQaMarks>
    <ExtraItemCriteria />
    <LookupInfos />
</Marel.Mp6.In-
tegration.Services.ExportEngine.Base.IndividualExportConfig>
```

An **IndividualQaMarkExportConfig** was also added for export handlers, enabling control of how **IndividualQaMarks** are exported.
Sample configuration:

```
<Marel.Mp6.In-
tegration.Services.ExportEngine.Base.IndividualQaMarkExportConfig>
    <LookupInfos>
      <LookupInfo>
        <Column>Individual</Column>
        <PublicKeyColumn>IdCode</PublicKeyColumn>
      </LookupInfo>
    </LookupInfos>
```

```
  </Marel.Mp6.Integration.Services.ExportEngine.Base.IndividualQaM-
  arkExportConfig>
```

Bug fixes

The following bugs were fixed:

Transferhub export unable to connect to hub

An issue was fixed where Transfer Hub export could not connect to the Transfer Hub.

Transferorigin issue in import

An issue with **transferorigin** when importing orders was fixed.

IPPS

Module version: 2.0.0

Changes in this release are from module version 1.5.1 to 2.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Sequence animals directly when it has been imported

At the unique sequencing terminal, the operator can sequence an animal directly when it is imported and it is allowed to slaughter it.

Updates for new QA marks

Updates to handle the new QA marks were made for SIS and ROLA, including the following:
- The **QA marks** view was added back into the **RolaPoOverview** view.
- The QA marks limit was removed on the ROLA terminal.

See Process

Option to add a SIS value provider

An option was added to the XML data store configuration to add a SIS value provider.

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Various improvements

Other improvements include:
- Calendar filters were added to the ROLA **Passport entry** view.
- A calculated field (on the status bar) was added to the master grid in ROLA, which counts the number of individuals linked to the PO.
- A list of matrixes was executed on the **Manual classification** terminal.
- Updates to the **Individual** report in SIS.

Bug fixes

The following bugs were fixed:

IRIS

Module version: 3.0.0

Changes in this release are from module version 2.0.1 to 3.0.0.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

Thigh selection not correct

When saving the data after selecting a left or right thigh in data collection categories, both the left AND right thigh were selected. This was fixed.

Change default value to whole bird defects

The previous default values led to roughly 80% rejected chicken. To fix this issue, default values from **WholeDefectDefaults** were changed to "60".

Innova 6.1.0 Release Notes

OEE

Module version: 4.0.0

Changes in this release are from module version 3.0.1 to 4.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Web Event Editor

The Web Event Editor is available with this release.

Quick Config support

Quick Config support was added in for adding OEE to an existing device.

Innova 6.1.0 Release Notes
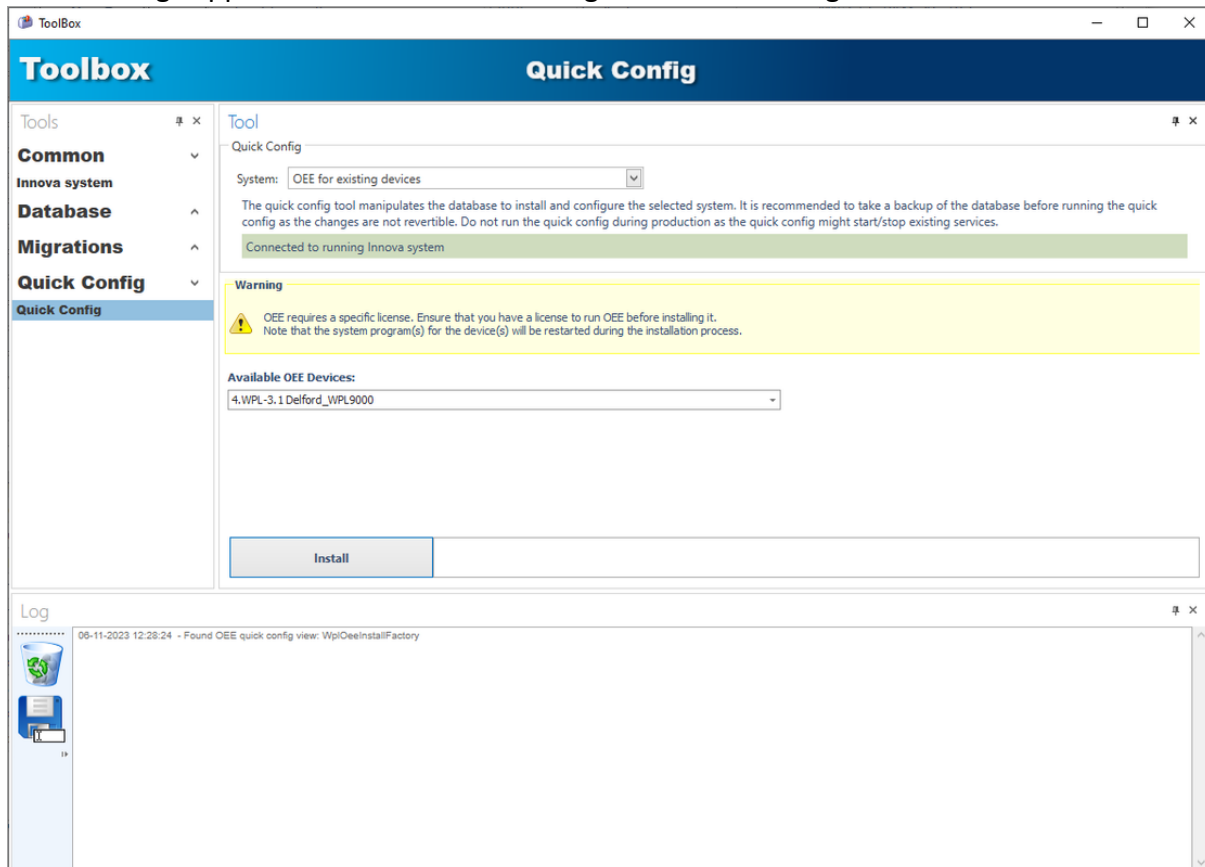
Korean translations

Korean translations are now available for OEE.

Counter programs view

The **Counter programs** view is now available with this release.

UI.WebSocket Event Editor

The OEE Event Editor is now available with this release.

Bug fixes

The following bugs were fixed:

Stop reason report returns a warning

Previously, multiple entites could be selected, which resulted in an report exception. Now, exposed parameters have been changed from **oeeentity** to **oeeentitysingle** so that only one entity can be selected.

OptiPack

Module version: 3.0.0
Changes in this release are from module version 2.1.2 to 3.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Improve error handling when PU activity is not set

Improvements were made to the third-party checkweigher controller in order to trace out if it is not possible to determine what product to register the piece to, either from the message or the process unit that is active.

Korean translations

Korean translations are now available for OptiPack.

Bug fixes

The following bugs were fixed:

Remove BomYieldScreen from Optipack (and YieldControl dependency)

YieldControl is no longer required to be installed when installing OptiPack.

Fix Optipack Config for tare scale records

Previously, changing the value of **RegisterAsScaleRecord** also changed the value of **UseCurrentPackTare**. This was fixed.

MCC Autolabeler cleanup and release

A new MCC Autolabeler station is now available.

OptiPack installation issue

An issue with the installer, where the wrong version of the Deployment and other modules were referenced was fixed.
Also refer to the *Installation Manager 1.5.0-A Release Notes*.

Innova 6.1.0 Release Notes

OrderLineClose action on UltimateOrderlineExpandStationCE cannot raise a custom error message

When using the **OrderLineClose** action on an **UltimateStationCE** and other Ultimate variants, custom errors thrown in the unit operation are displayed to the operator on the station. For this to work correctly, use **Result.CustomError**.

MCC-Autolabeller station PLC issues with messaging

The new MCC Autolabelling PLC solution had some issues sending/receiving multiple messages within a small timeframe. This was fixed.

Checkweigher import throws error

A bug that occurred when importing checkweigher programs was fixed.

PDS

Module version: 4.0.1

Changes in this release are from module version 3.3.1 to 4.01.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

Installation changes

Fixes were made that related mainly to migration script execution.

Innova 6.1.0 Release Notes

Portioning

Module version: 2.0.0
Changes in this release are from module version 1.0.7 to 2.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Support for FleXicut Tres

A new configuration property was added to the **FlexicutProgramEditorCE configuration** to indicate if the program editor is for FleXicut Tres.
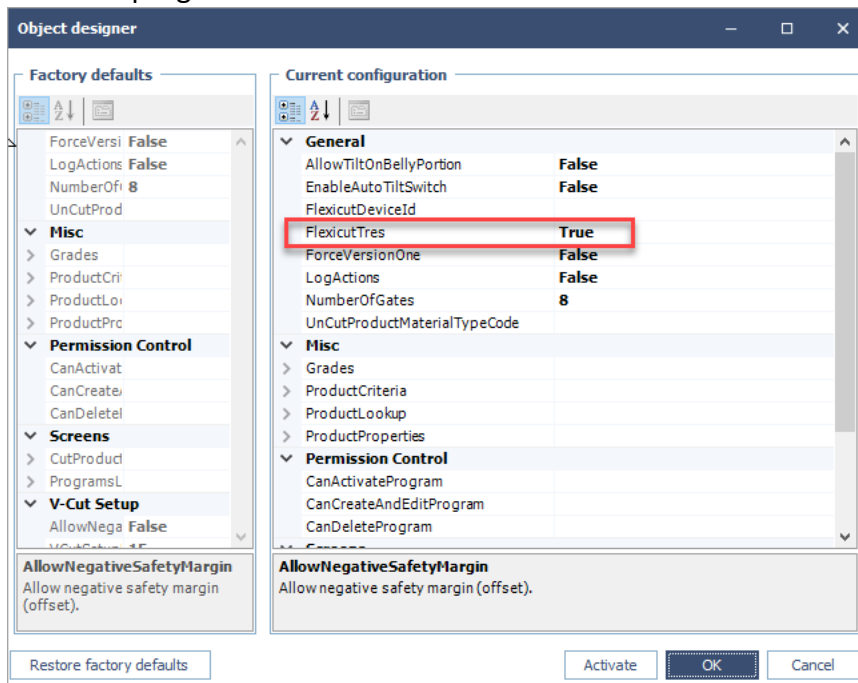
FleXicut improvements

The following improvements were made to FleXicut:
Angle cut
- New columns were added to the **flexi_grades** table to support the feature
- A check box and input field were added to the **Grades** dialog

Innova 6.1.0 Release Notes
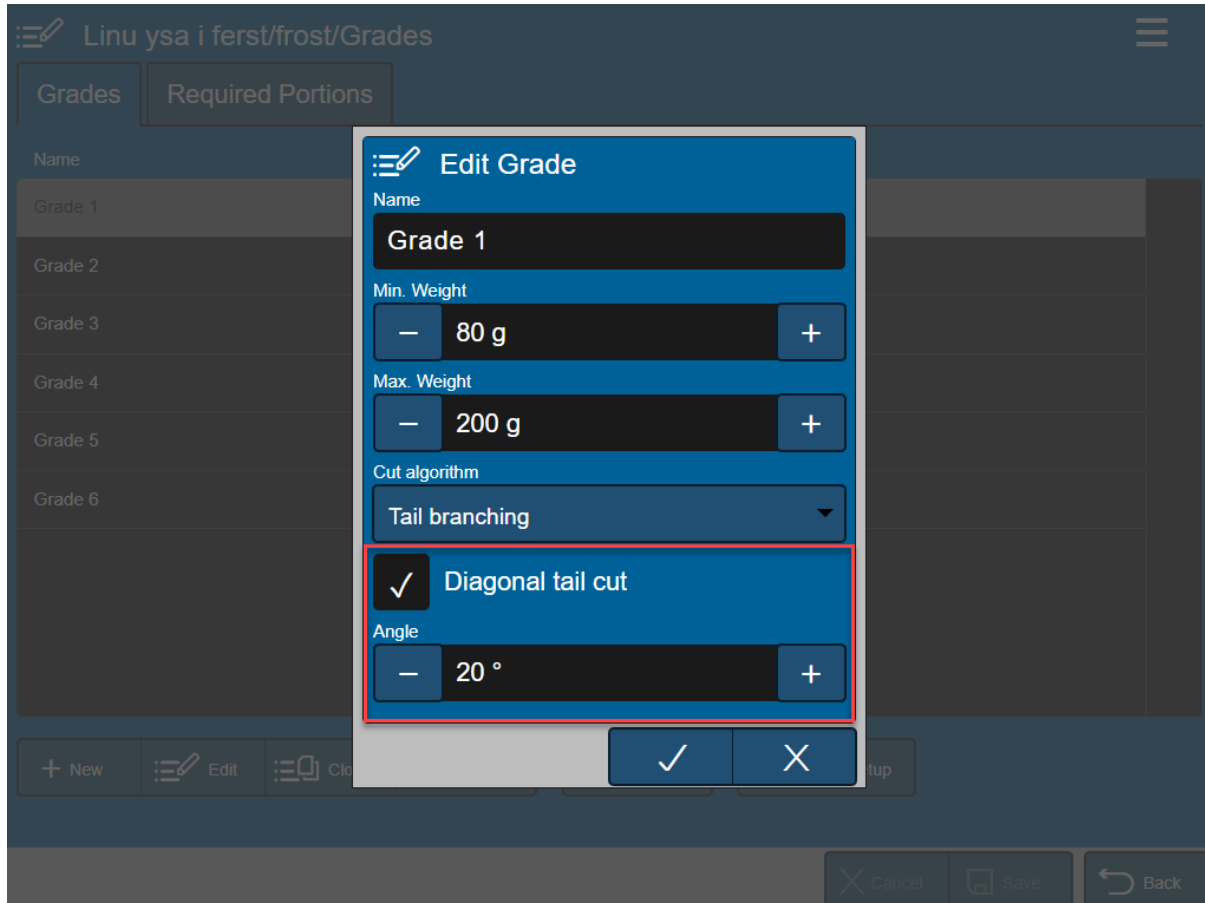
Set cut algorithm

- You can now set the cut algorithm for grades.
  Older programs are upgraded to the new version when the FleXicut machine is updated.
  Grades will get the cut algorithm based on the configuration on the machine.

Innova 6.1.0 Release Notes
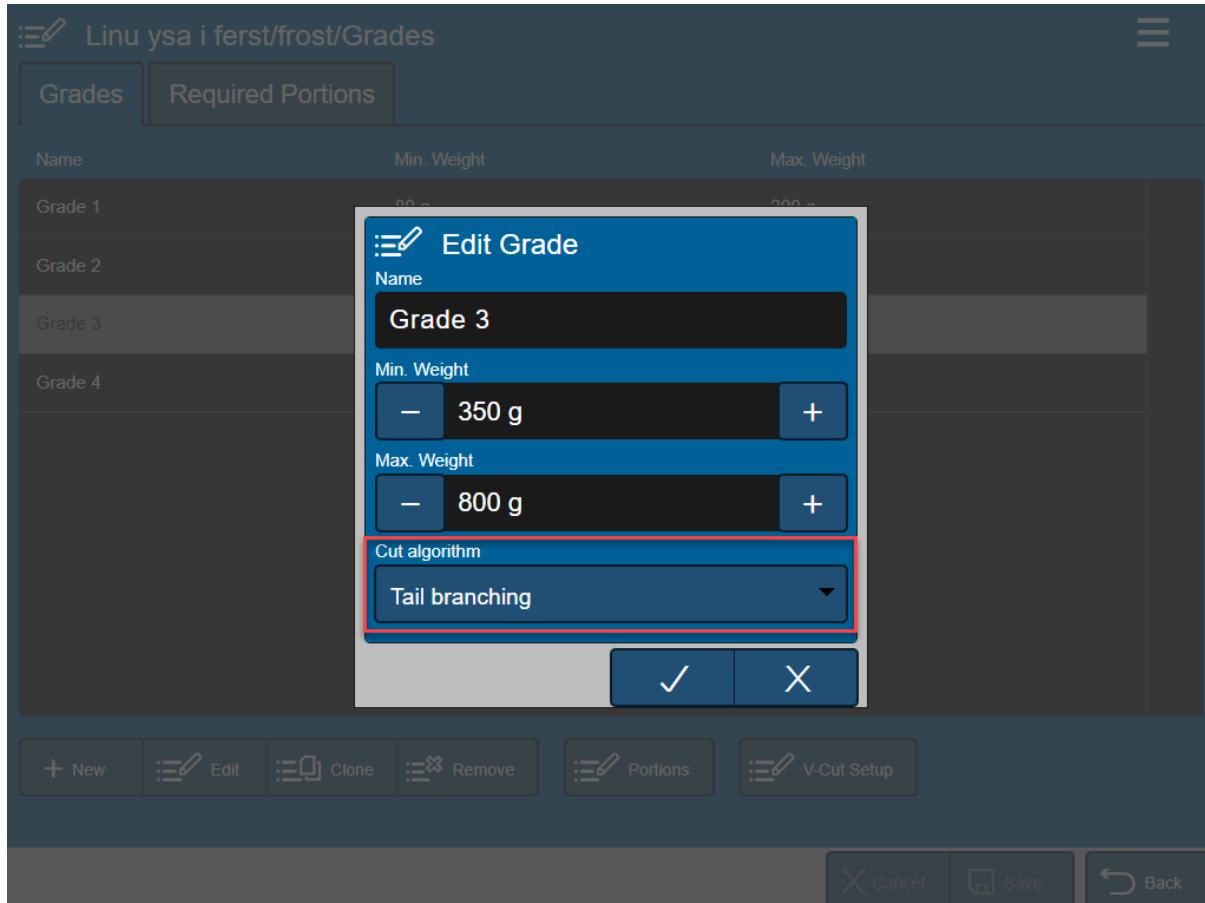
Adjustable split curve

- You can now split the tail split line into zones with two parameters:
  - Zone length
  - Zone width (relative position from the loin side of the piece)

- Zones can be configured in two places:
  - The **Tail** tab, where zones can be added/edited/removed visually
  - The **Zones List** tab

  Older programs are upgraded to the new version when the FleXicut machine is updated.

  A single split line point is created based on the configuration on the machine.

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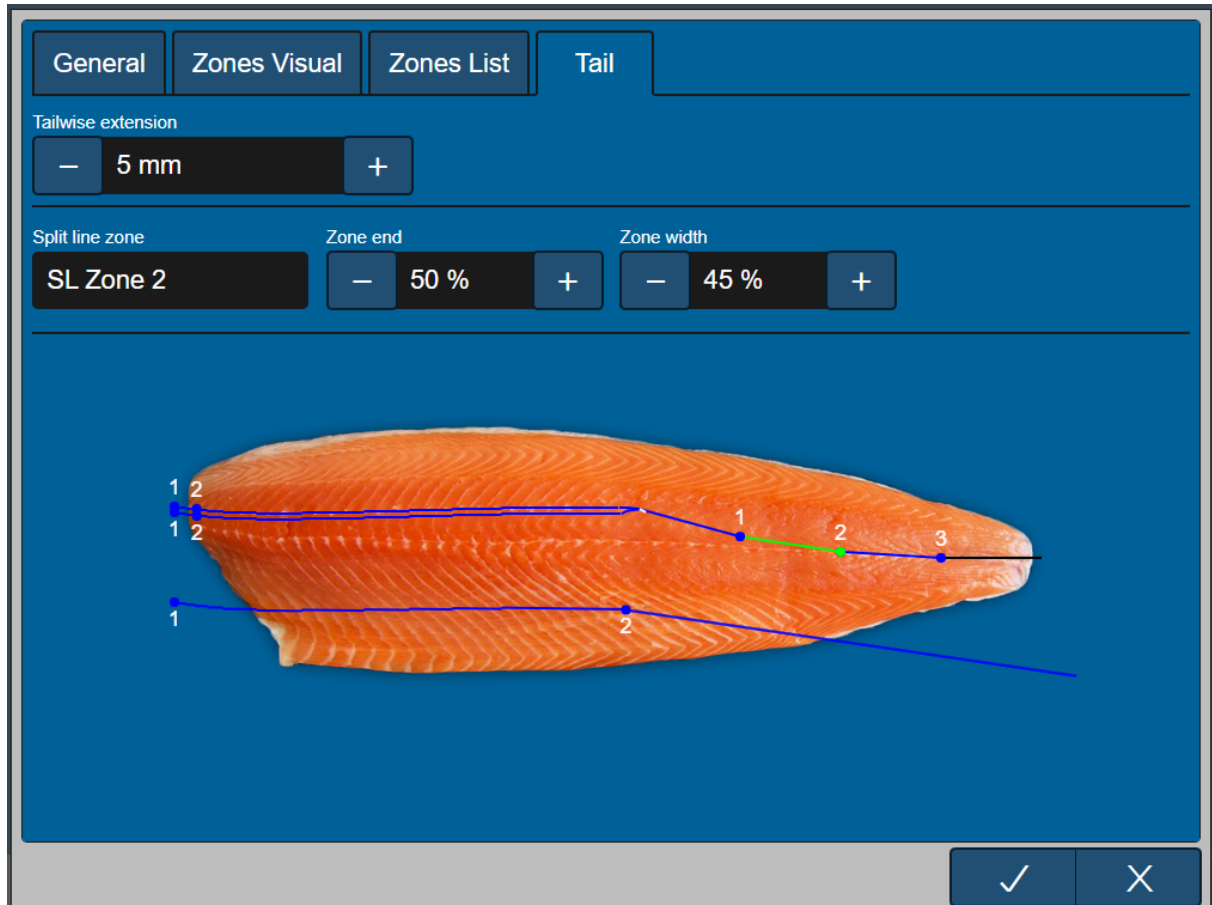
Tail tab
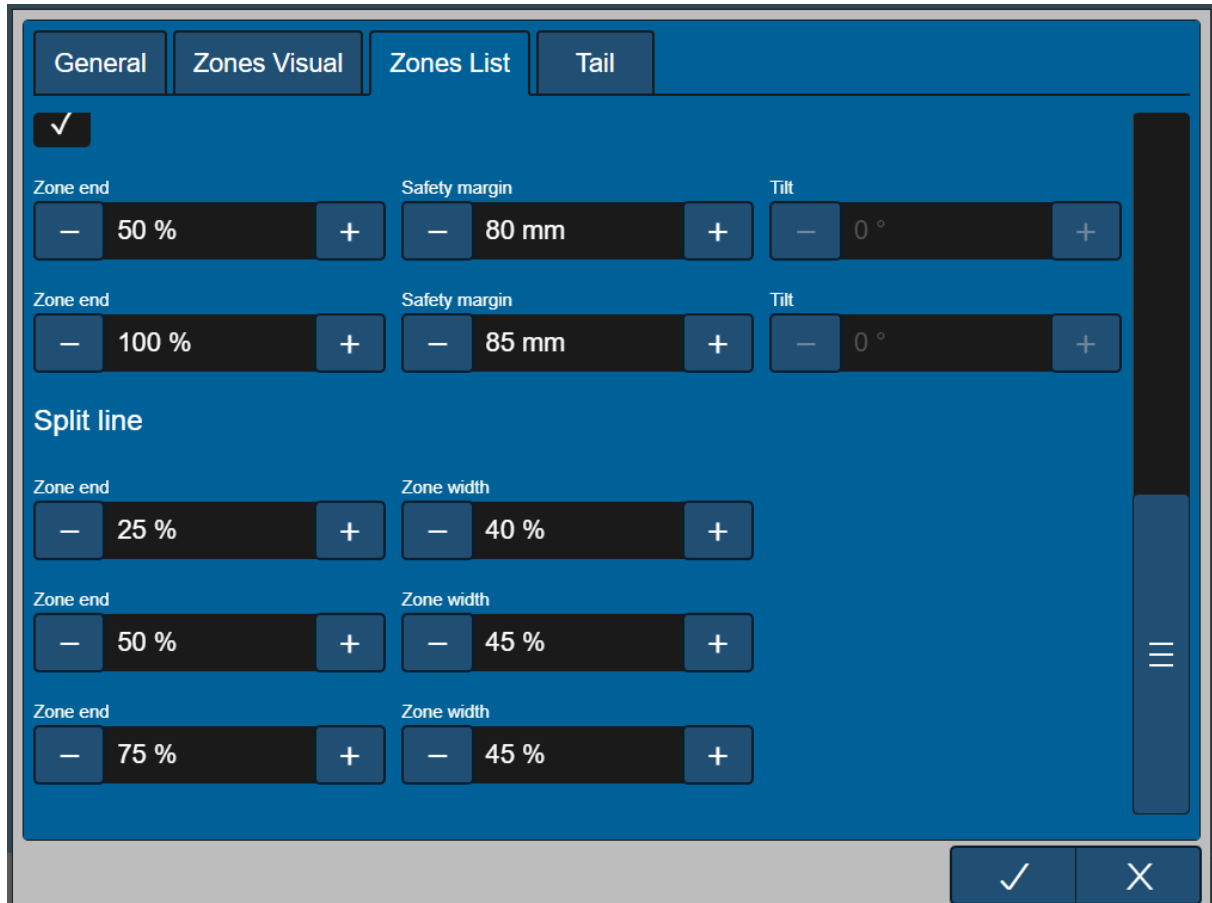
Zones list

MS2750 - Add QuickConfig

Quick Config is now available for the MS2750.

Salmon Filleting - Implement Clone, Delete, Import and Export programs for MS2750 Program Editor

You can now **Clone**, **Delete**, **Import** and **Export** programs in the MS2750 Program Editor.

Bug fixes

The following bugs were fixed:

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FleXicut - Portions in a clone are identical when being edited after cloning a Grade

An issue was fixed where all portions in cloned grade were identical until saved.

FleXicut - When adding a new grade after upgrade, older existing grades got the same Cut algorithm

To fix this issue, the following changes were made:
- Translations were updated for the Cut algorithm.
- Programs were upgraded to set the algorithm from the XRP config from the device.

Flexicut - Machine is updated to 3.0.0 but not Innova, creating new program gets version 3.0.0

To address an issue with the Program XML version:
- Only update the lane XML version if the version from the device is supported by Innova.
- This will prevent program XML version to be updated before Innova can handle the new XML structure from the device.

Missing alarms in the "alarmsISlice3300.csv" file for the new I-Slice 3400 device

The device driver for the I-Slice 135 expected both piece and portion messages, but the 135 only sends pieces, so data was not saved to database. Memory was also leaking. These issues were fixed.
In addition, the following were fixed:
- Fixed issues with Salmon Slicing reports.
- Fixed an issue where Slicing dashboard numbers were resetting on every refresh.
- Updated Slicer alarm lists.

Additional Salmon Slicer issues

The following additional Salmon Slicer issues were fixed:
- Updated alarm files.
- Fixed Salmon Slicer ETA dashboards.
- Fixed issues with Reports and Dashboard for Salmon Slicing Line.
- Salmon Slicer report - Show ATE per slicer.

Innova 6.1.0 Release Notes

Portioning program editor not able to define gates

An issue where the Portioning program editor could not define gates was fixed by migrating **FeaturesConfig** from **Dimension1** to **XmlData**.

Error when opening some Portioning.Reports.SalmonSlicer

An error occurred when opening some Salmon Slicer reports because of incorrect criteria for **LineThroughputOverTime** and **DPL4Overview** reports. This was fixed.

Fixes to Salmon Slicing Line

The following fixes were made:
- Blank fields were fixed in the **Slicer Detail** report and more space was made for the product name.
- The Portioning Quick Config now sets a more usable weight and length resolution.

Change package UI install

The installation order in the Portioning UI package now follows the Base default order.

Process

Module version: 5.0.1
Changes in this release are from module version 4.2.0 to 5.0.1.

Breaking changes

The following new features and improvements are breaking changes:

QA mark 1-4 columns removed from the proc_individuals table

QA mark columns 1-4 were removed from the **proc_individuals** table. Individual QA mark columns are now stored in the new **proc_individualqamarks** table. See New QA marks table. This change enables more than four QA marks per individual.
A migration was added which adds the new table and copies existing QA marks from proc_individuals to the new table to preserve the current values.
In addition, adding, changing or removing QA marks is now done as follows:

- **Add QA marks to individuals** - To add a QA mark to an individual, use one of the **AddQaMark** or **AddQaMarkAsync** functions.
- **Remove QA marks from individuals** - To remove a QA mark from an individual use **RemoveQaMark** or **RemoveQaMarkAsync**.
- **Change QA marks** - Changing an existing QA mark should preferably be done by removing the QA mark and adding a new QA mark with a new value.

Scripts that add or change QA marks must be updated to use the new **Remove** or **Add** methods.
Scripts that only read QA marks using **IndividualRecord** do not need to be updated.
Import processes that import **IndividualRecord** must be updated to also import **IndividualQaMarkRecord**.

New features and improvements

The following new features and improvements to functionality were added:

New QA marks table

A new table, **proc_individualqamarks**, was created.
It links QA marks to individuals and allows for more than four QA marks to be assigned to an individual.
A read-only **QA marks** detail tab was also added to the **Individuals** view:

See QA mark 1-4 columns removed from the proc_individuals table.

OCM reject code improvements

Previously, OCM reject codes were not fully detailed in Innova. Now **CheckStatus** has been extended with more reject codes to better explain why an item was rejected.

Move pallet between orders

A new event, **PalletMoved**, was added for **processApi** to send out when the "move pallet between orders" unit operation is used.

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New scale records functionality with new unit operations

The following new functionality was added for scale records:
- Create scale record
- Load scale record
- Print scale record
- Create tare record
- Use scale record as tare for batches in Grading

ValueProviderAssemblies configuration for Label Designer removed

LabelDesignerConfig was being overwritten each time a label designer was closed, which removed entries added while any label designer was open. In addition, there were multiple definitions of the same thing. Now **ValueProviderAssemblies** settings are read from **PrinterManagerConfig** instead of LabelDesignerConfig.
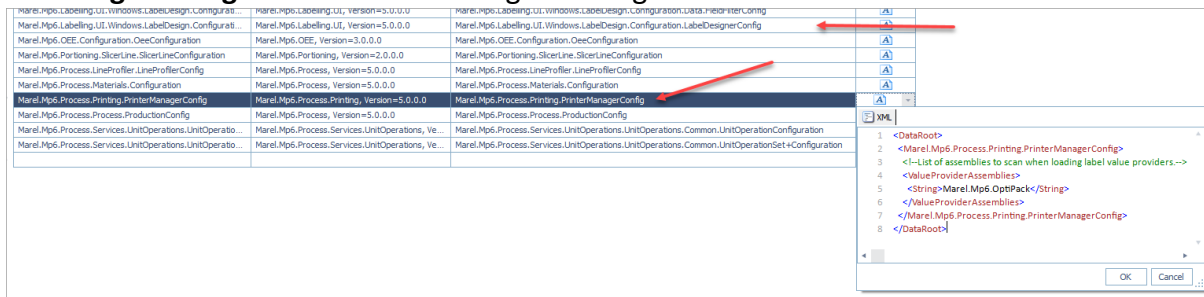
Add the value provider as follows:

```
<ValueProviderAssemblies>
    <String>Marel.Mp6.Process.Printing</String>
    <String>Marel.Mp6.OptiPack</String>
 </ValueProviderAssemblies>
```

Add deviation reasons for scanned stacks

The previous reasons that were available to select why the number of stacks is different than expected were removed and three new reasons were added:
- Truck too heavy
- End of flock
- No RFID tag on pallet tray

New unit history tables

Two new tables were added to store history data for units:

- **proc_unithistory** - Stores information about unit record changes
- **proc_unithistoryconfiguration** - Configure proc_unithistory for each unit type and each column for a unit type.

Unit history logging

A new flag was added to **ProductionConfig** that enables or disables unit history logging. Changes to units of type Pack, Item, Individual and Collection (Shipment, Stack, Container and Pallet) will now be logged in the **UnitHistory** system. This applies to changes made through both records and grids.
A new string field, **Reason**, was added to **OperationData**, which can be set to note why a change was made to a unit's data.
To interact with it from outside the process unit system, you must update to use **Marel.Mp6.Process.Abstractions** version 2.1.0, and reference it through the **IOperationData** on **IOperationContext**.

Unit history logging configuration

Unit history now only logs the columns that the system has been configured to monitor.
A **Configure** button was added to the **Unit history** view for users to configure which columns should be monitored for a selected unit type. Monitoring is updated when the user clicks **OK** in the dialog. To access the Configure button, users must have **Process.Configuration.UnitHistory.CanChangeMonitoring** execute privileges.
The system can also be default configured using **loaderdata targetting proc_unithistoryconfiguration**.

Procunitops improvements

Procunitops now logs correctly for unit operations with log levels **LogAllWithTrace, LogFailureWithTrace** and **LogSuccessWithTrace**.

Unhide system types in Products view

By product and **Unprocessed** system type values are now visible in the **Products** view.

Product selector - use order and orderline when available

When using the **AssignedOrders** selector type, orders and orderlines are now returned along with products. Duplicate product IDs are returned if they have different orders or orderlines.

Innova 6.1.0 Release Notes

Product selector view improvements

The **Product selector service** view is used to test outputs with product selectors. To improve readability and ease of use, the following output views were added:

- **Buttons view** - This is default view and shows only the product name and code in a button matrix. If the number of products exceed a single page, buttons appear to navigate between pages.

- **Grid view** - Displays products in an easy-to-read grid. The default order is the search order, but columns can be sorted.

Buttons View	Grid View	JSON					

Process unit: Thing 1, Product selector: eh

Id	Name	Code	Order Id	Order Line Id	Is Downgrade	System Type	
2	Cheese	prma00002			☐	Primary	
3	Kex	prma00003			☐	Primary	
4	Te	prma00004			☐	Primary	
7	Appfel	prma00007			☐	Primary	
5	Meira	prma00005			☐	Primary	
8	Geit	prma00008			☐	Primary	
6	Meet	prma00006			☐	Primary	
8	Geit	prma00008			☐	Primary	
5	Meira	prma00005			☐	Primary	
5	Meira	prma00005			☐	Primary	
2	Cheese	prma00002			☐	Primary	
7	Appfel	prma00007			☐	Primary	
6	Meet	prma00006			☐	Primary	
7	Appfel	prma00007			☐	Primary	

- **JSON** - Allows users to see the data the way it was received, without formatting, as a serialized JSON output.

To generate output, users select the following:
- Available process units (required)
- Available product selectors (required)
- Available lots (optional)
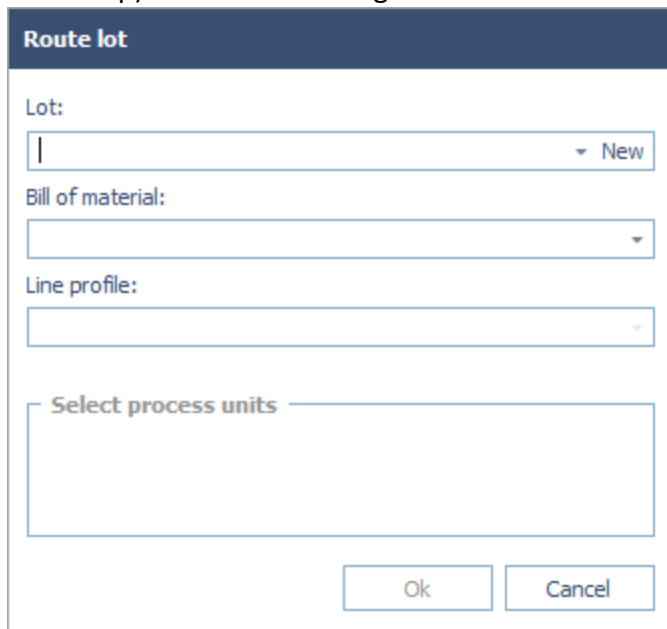- Available cut types (optional)

Information about the selected item is displayed below the field. When a valid selection is made, the **Get Products** button is enabled.

Clicking **Get Products** fetches products with the selected parameters and the user can then select the output view.

Add BOM to created lot in Line Profiler

Now a bill of material (BOM) can be set on the lot when creating a new production run (lot and line setup) or when rerouting a lot.

Load export handler in ProcessAPI

To find and load all export handlers in ProcessAPI and launch plug-ins, the following interfaces were added to **ProcessApi.Abstractions**:

- **IPluginIntegration** - The main plug-in startup entrypoint, which contains two methods: **AddServices** and **ConfigureServices**. In the same way that an asp.netCore application works, all services are added to the service collection and configured as part of the host startup. This means that all the DI services required by the plugin should be added to the collection in **AddServices**. If further initialization is required after the service collection has been built, they should be performed in **ConfigureServices**.

- **IEfCoreIntegration** - If the plugin needs to initialize EfCore contexts, then implementing this interface allows ProcessAPI to inject the efcore options during startup. The context should not be added to the collection through the **IPluginIntegration.AddServices**

- **IClientListener** - In some cases, ProcessAPI must send out messages when an Innova serviceclient triggers an event. By implementing **IClientListener**, ProcessAPI allows the plugins to attach their events at the end of startup, such that all resources and services are available at that point.

Add 600DPI option on Zebra printers

An option was added to manually select a DPI setting for Zebra printers.

New filtering options on the Manage Prunit IPC view

An option was added to **SelectCompanyView** in **ManagePrunitConfiguration** to enable filtering the IPC view. If **DisplayFilters** is "True", then the number pad and input field(s) are displayed on the IPC.
In addition, the company code can displayed along with the name by setting the **IncludeCode** property to "True". If set to "False", the code lookup field is not displayed.
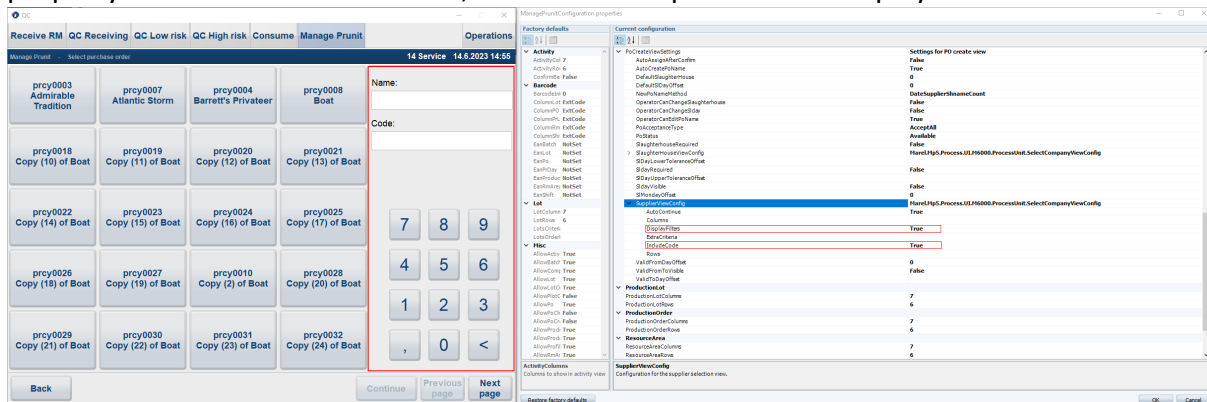
Configure text on selection values in ManagePrunitControllerExtension

Filtering options were added for **Select activity**, **Lots** and **Purchase orders** in the Manage Prunit IPC view.

ProcessAPI - Move pallet between orders

A new event, **PalletMoved**, was created that processAPI can send out when the "Move pallet between orders" unit op is used.

Add criteria for Cut material

The criteria **cutmaterial** was added to the Process module. It selects **proc_material** where **systemtype** = **SystemType.Cut**.

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Bug fixes

The following bugs were fixed:

Label type is not populated in Label preview

An issue with the label type not populating in the **Label preview** was fixed.

Printer orientation not saved in Labeling

The **Printing Orientation Override** setting in the **Printers** form on the **Driver settings** tab was not persisted. This was fixed.

Label designer dies with out of memory error

The Label designer explorer was consuming too much memory.
To fix this issue, the following changes were made:
- A cache was added for **MediaTypeRecord**.
- Image handling for thumbnail view and previewers was optimize.
- More dispose functionality was added to make sure resources are disposed, especially images.

Print key enabled greyed out

A bug was fixed that prevented the **Print key** checkbox from becoming enabled on the **Printer settings** tab of Intermec printers.

Initialization of application failed when trying to open Label designer

Now the application doesn't crash if an error occurs when loading value providers. Instead, an error message is shown and the plugin is not available until the application finishes initialization

and is ready to use.

Position of images on WPL/OCM label is not the same in Label designer and preview mode

An issue was fixed where the position of images on WPL/OCM labels did not match between the Label designer and preview mode.

SQL error in Composite activities view

An error that occurred when selecting a subctivity in the **Composite activities** view was fixed.

Location stocktake does not use "AllowStockTakeByProductType" when enabled

In the **Location stocktake** view, the **AllowStockTakeByProductType** setting was ignored and the criteria type was always set to "None." This was fixed.

Count issue in Pack overview report

A fix was applied to the **Pack overview** report.
The error occurred when the **Pallet count** column was enabled because it was a copy of the **Count column** and was data-bound to that column. The pallet count and grand total were calculated on the fly and then applied to the labels, resulting in the correct outcome when viewing the report on screen. When the report was exported to Excel, however, the correct values were overwritten by the data-bound values, which resulted in incorrect values in the Excel document.

Deboning - Error on External column proc_individuals.MeatColor when trying to start mdman.exe

If the **Individual.MeatColor** column exists as an external column when the **proc_meatcolors** table is created, then it's now removed from the **base_excolumns** table to prevent errors.

No values for Status except All in Pallets view

After running migrations, you might need to open the **Menu editor** entry for the **Pallets** view (Production.Data.Pallets) and click **Refresh** in the criteria.

RecLua Plugin not able to add indexed value to operation data

A bug was fixed in **RecLuaDeviceExecuteUOPlugin** were indexed values were not added to operation context.

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Food Processing Software

Executing PowerShell scripts for Labels with pipeline error

A new configuration property, **UsePowerShellRunspacePool**, was added to **ProductionConfig** in XML data store.

```
19      <!--True if powershell label scripts should use runspace pool to enable concurrent execution.-->
20      <UsePowerShellRunspacePool>False</UsePowerShellRunspacePool>
```

This property is **False** by default, but when set to **True** it controls how PowerShell label scripts are executed.
If the system gets concurrent exceptions in the log when executing many PowerShell scripts, set this to **True** to enable the concurrent execution of scripts. This can happen when there are multiple **queueplc** programs running many barcode scripts locally through printing unit ops, for example.

Unable to log unit history with a maintable and detail table both being units

The **Unit history** view extension for unit grids can now handle a view that has two modifiable unit grids.

Unit history table does not log when adding/removing qamarks on animals

It's now possible to select Individual **QaMark** details in the **Unit history** configuration.
The available columns are **QaMarks.QaMark** and **QaMarks.Sequence**.

WPL - unable to set centraliser "Yes"

It is now possible to control a centraliser, unit on the WPL.
The setting is found in the WPL/OCM layout in **Device Settings**.
The default is **Not set**, which is the same as "Off".
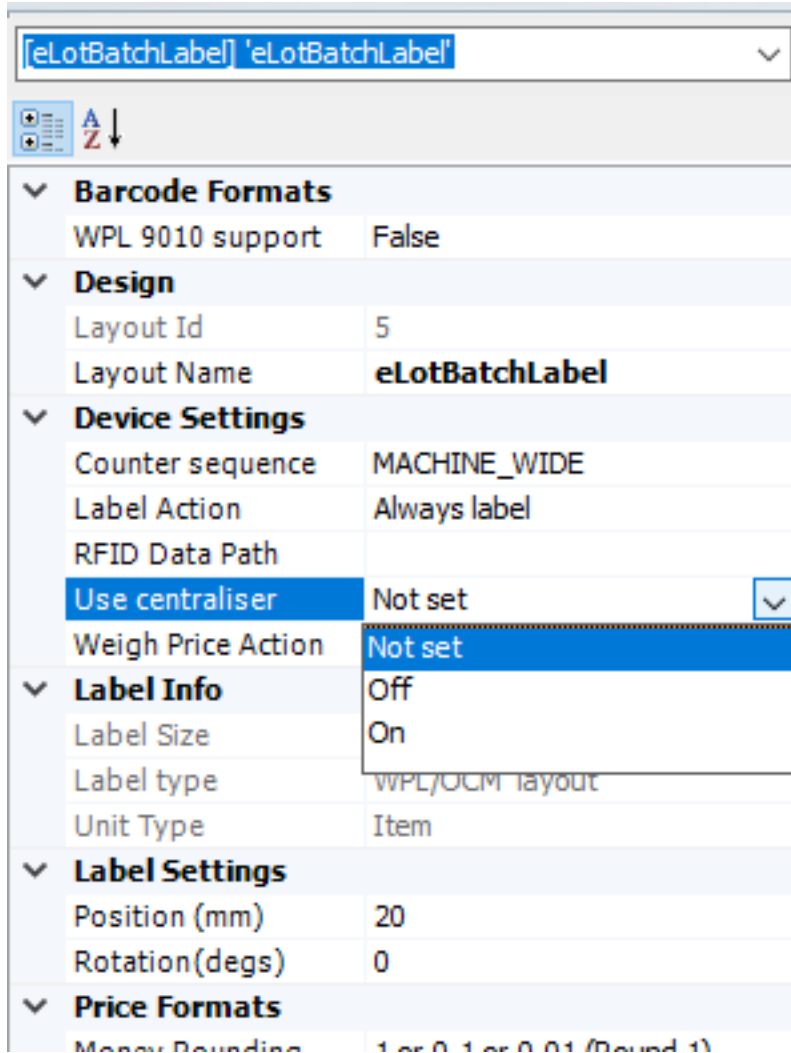
Framework missing from Process.UI.WebSocket

The **ManagePrunit** web view as not working and is now fixed.

QC

Module version: 2.0.0
Changes in this release are from module version 1.4.2 to 2.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Import/export QC reports in Report designer

Changes were made to **ReportDesigner** and to the **QCDataSourceItem** class so that QC reports can be exported and imported correctly by report operators who create reports from QC inspections.
Users no longer need to reconnect a data source each time they import a QC report and will no longer be prompted to update.
Exporting a report with a QC data source works as before. But now when *importing* a report, users are not prompted to select a data source for the report unless the data source specified in the file doesn't exist (which is an error in the database). The report now imports without any prompts or input required from the user, and matches the database into which it's imported. Obsolete data is not imported along with the report.

Bug fixes

There are no bug fixes to report in this release.

SensorX

Module version: 3.0.0
Changes in this release are from module version 2.0.2 to 3.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Quick Config updates

The SensorX Quick Config was updated. Now if a machine has more than one lane, a dashboard page is created for each lane.

Bug fixes

The following bugs were fixed:

Memory issue when opening OutOfBoundsThroughput pivot report

A memory issue that occured when opening the **OutOfBoundsThroughput** pivot report was fixed.

SensorX data source

The SensorX data source was moved to a standard location to prevent issues when installing.

Error message on process unit

An error icon and explanation is now displayed on a process unit if sending a program to device is unsuccessful.

Incorrect data in dashboards

An issue was fixed where hard contaminants and total values on dashboards could contain incorrect data.

XML config removed from menu packages

The XML config was removed from menu packages.

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Food Processing Software

OEE checkbox hidden in Quick Config.

The **OEE** checkbox is hidden in the Quick Config view because OEE is not available for SensorX.

Missing information when using Quick Config

Quick Config functionality and instructional text in the UI were improved.

Smartweigher

Module version: 3.0.0

Changes in this release are from module version 2.0.0 to 3.0.0

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

There are no bug fixes to report in this release.

Sol.Fish

Module version: 3.0.0

Changes in this release are from module version 2.0.2 to 3.0.0.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

There are no bug fixes to report in this release.

Sol.WFExport

Module version: 2.0.1

Changes in this release are from module version 1.2.0 to 2.0.1.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

Module fails to install - FileLoadException

An issue was fixed where the WFExport module failed to install.

Trimming

Module version: 4.0.0
Changes in this release are from module version 3.0.1 to 4.0.0.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

There are no bug fixes to report in this release.

Unit Operations

Module version: 2.0.0
Changes in this release are from module version 2.0.0 to 3.0.0.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed.

In RM Receiving IPC, can not register packs

IViewFeedbackWithScaleExtensions was removed because it gave a false result for virtual devices, such as simulated scale with id -99.
In addition, support was added to use **WeightUnit** and **WeightRes1** from the **IScale** interface found in the feedback references instead of using the record class.
See Base

Web

Module version: 3.0.0

Changes in this release are from module version 2.0.0 to 3.0.0.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

Legacy dashboard fixes

Legacy tile and LED dashboards could not be designed in the Dashboard designer because of a Javascript error. This was fixed.

Web UI

Module version: 3.1.1
Changes in this release are from module version 2.0.4 to 3.1.1.

New features and improvements

There are no new features or improvements to functionality to report in this release.

Bug fixes

The following bugs were fixed:

Dashboards not loading on a WinUI client config with a HDMI Screen

See Data Visualization

No-header option is not working

The **No-header** option did not work in WebUI 3.1.0 version. This problem was resolved in this version and is working properly again.

Weighbridge

Module version: 3.0.0

Changes in this release are from module version 2.0.0 to 3.0.0.

New features and improvements

The following new features and improvements to functionality were added:

Create trailer 1

In Marel.Mp6.Solutions.WeighBridge.UI.Windows.SingleShipment.ShipmentControllerExtension:
In **Create a new shipment**, it's now possible to create a **Trailer1** entry while entering information about the shipment.

Innova 6.1.0 Release Notes

Add fields from proc_orders in Disconnected orders view

In Marel.Mp6.Solu-
tions.WeighBridge.UI.Windows.SingleShipment.ShipmentControllerExtension:
On the **Sales order** detail tab, **proc_orders dimension 1-4** and **description1-8** were added to connected and disconnected orders.

Add number of packs and pallets to orders view

In Marel.Mp6.Solutions.WeighBridge.UI.Windows.SingleShipment.ShipmentControllerExtension
On the **Sales orders** detail tab, fields were added to count the number of packs and pallets in each order.

Bug fixes

There are no bug fixes to report in this release.

WPL

Module version: 2.1.2
Changes in this release are from module version 1.2.6 to 2.1.2.

New features and improvements

The following new features and improvements to functionality were added:

Add support for WPL Web GUI

A web-based replacement for the WPL WinUI has been introduced. This was done to overcome the issues running RDP. The solution requires a WSServer system program, just like all other Innova Web IPC control extensions.
The following WPL controller extensions were ported to the Web interface:
  • Marel.Mp6.WPL.UI.WebSocket.Applications.PackingStation.Windows.PackingStationCE
  • Marel.Mp6.Wpl.UI.WebSocket.Applications.MultiComformat.MultiComformatCE
  • Marel.Mp6.Wpl.UI.WebSocket.Applications.Printer.Windows.PrinterMediaSelectCE
  • Marel.Mp6.Wpl.UI.WebSocket.Applications.PrintHeadAllocation.PrintHeadAllocationCE
The configuration settings are the same as for the WinUI IPC controller extensions.

Added support for OCM plugin-ins

The setting **PhotocellDetection** was removed and replaced with the plug-in **OcmFetchMaterialFromStationPlugin**. In addition, a new plug-in, **OcmUseMaterialFromProcessUnitPlugin**, that fetches material from another process unit based on a station number in the barcode.
OcmFetchMaterialFromStationPlugin:
This plug-in gets the material from the current activity of the process unit. This can be used if the barcode scanner is replaced with a photocell. This scenario can be used, for example, if the packs don't have a barcode and all have the same material.
  • Assembly: Marel.Mp6.Wpl.Plugins.
  • Constructed by: Marel.Mp6.Wpl.OcmStations.Stations.GtinPackController.
  • Class name: Marel.Mp6.Wpl.Plugins.OCM. OcmFetchMaterialFromStationPlugin.
OcmUseMaterialFromProcessUnitPlugin:
This plug-in assumes that the barcode contains the code or ID of a station. The plug-in fetches the material from the station's process unit. In the configuration, it is selected if the barcode contains the ID or code of the station.
  • Assembly: Marel.Mp6.Wpl.Plugins.
  • Constructed by: Marel.Mp6.Wpl.OcmStations.Stations.GtinPackController.

- Class name: Marel.Mp6.Wpl.Plugins.OCM. OcmUseMaterialFromProcessUnitPlugin.

Bug fixes

The following bugs were fixed:

OCM - <WeightUnit> not always set

The **<WeighUnit>** field of the comformat is set to "System weighing unit", but if there is a content specification, it is set to the nominal unit defined in the content specification.
This didn't work for OCM stations, where the pack was created upstreams, and has now been corrected.

Error when having weight and price on second label

This issue occurred only in the M6000 UI and has been fixed.

Reprint button for items in UI is missing

Printing item labels from **Last Items** has been enabled. Note that the reprint is not printed on the WPL print head, but on a external printer.

Adding rich text to item layout 2 causes "corrupt comformat" error

There was a bug, that caused RFT text fields not to be converted to pango or TrueType, if the field was on a slave comformat in a group.

Known issues

The following are known issues in this release:

Generating or importing OCM Menu items does not work

When importing the menu **OCM.xml**, the menus and OCM system setup are not created.

Workaround

Manually create the menus during setup.

Missing drop-downs for Reader and Terminal columns in OCM system setup

On the **OcmStations** detail tab in the **OCM system** view, the drop-down menus for the **Reader** and **Terminal** columns are missing.

Workaround

Manually insert values by using IDs from the **Devices** table to set **Terminal** and **Reader**. This will be fixed in next release and a hotfix can be provided if needed.

INNOVA
Food Processing Software

Yield Control

Module version: 3.0.1
Changes in this release are from module version 2.1.0 to 3.0.1.

New features and improvements

The following new features and improvements to functionality were added:

Implement & test RFU620-10500 with Rfasterm as 3rdPartyBarcodeReader

Support for third-party barcode readers was added to the **Rfasterm** server program.

Korean translations

Korean translations are now available for Yield Control.

Bug fixes

The following bugs were fixed:

Yield point program missing from base_configtables_yld.xml

The yield point program was missing from **base_configtables_yld.xml** in Yield Control loader data. This was fixed.

Cannot access M2200 application screens

A bug in the M2200 screen was fixed on a yield device screen.

M2400-B04 scale with M2400.B04.Flowscale LUA is not supported by proc-scales

An issue was fixed where configuring an M2400 as a flow scale was not supported. This was fixed.

Valka portion cutter issue

A fix was added to update how material is looked up in the portion cutter yield device.