

Innova Release Notes

Version: 6.1.2

Publication Date: 19 July 2024

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.

Alarm for Salmon SPacker

A new feature has been added that allows the system to monitor pieces that go off-end with a **No Order** status from the grader and raise an alarm to alert operators so they can take action and verify order availability for all products.

Breakup (ReHook) stations

New types of stations for a breakup line were added to the Deboning system. New functionality provides an ability to keep traceability through quartering and bone-pulling system from Guaporé. Control system is PLC controlled by Marel Guaporé.

Beef/pork primary processing solution

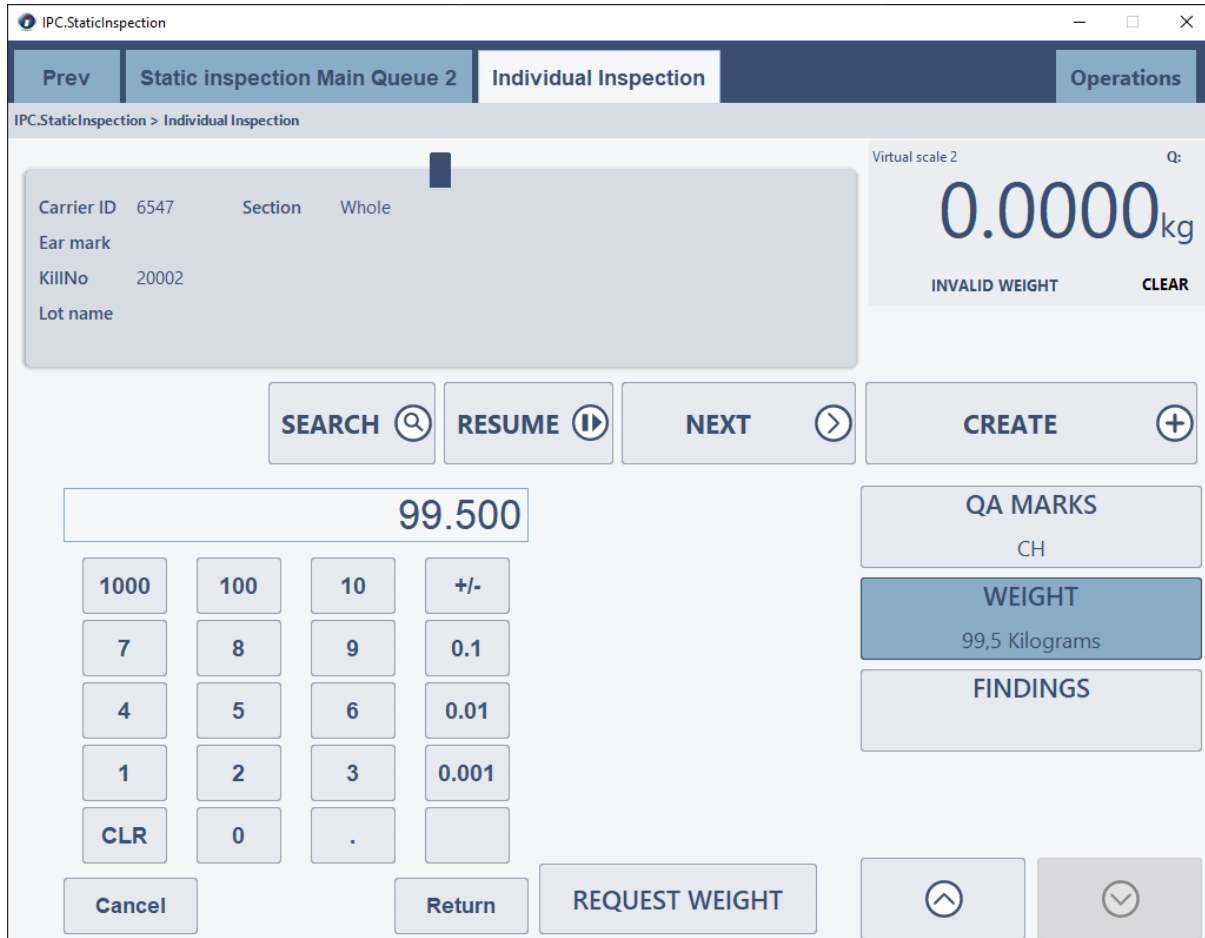
This release contains the latest pieces of IPPS Standalone for Beef. These include some changes needed for the Australian market.

- Added support for unmanned modes to the Sequencing station and inspection stations.
- Added default installation data for Australia such as default Animal Health retain matrix, grading matrix, and market matrix.
- Added support for an additional display screen for extra data input and display.
- Enhanced NLIS lookup in the batch sequencing terminal.
- The carrier view is now fully module-independent.
- Enhanced hook RFID functionality in Inline inspection, Station inspection, and Classification station.
- Display the grade received from the classification matrix immediately on the screen.

Individual Inspection terminal

In this release, a new Individual Inspection terminal was added. The purpose of the Individual Inspection Terminal is to inspect an individual, add or remove findings, animal data, and update the individual's weight. This terminal is normally located in the stable area.

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StreamLine Trimming

This release contains a few new features such as:

- Allow operators to log in on M2200/M2400 terminals
- QuickConfig was finalized with learnings from O-series.
- Steak weights can now be displayed on the M2400 terminal. This requires a load cell connection from a bench scale mounted in the station to the M2400.
- The bundle license was finalized.
- The Flow control on the Meat StreamLine was made more manageable and easier to operate.
- The Packing Control was made more manageable and easier to operate.

The next release of SLT will contain new default reports which suit the SLT line.

Meat StreamLine MultiBatching enhancements

The **MultiBatching** functionality on the Meat StreamLine was improved.

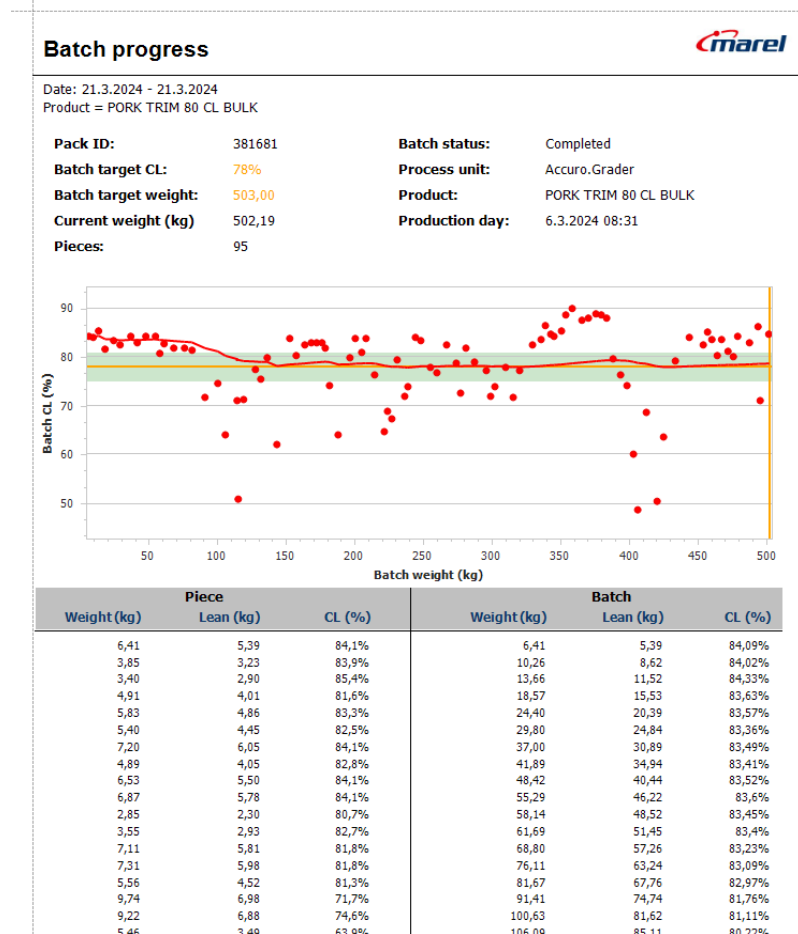
- Operators can now finish processing a single Multipack immediately once it is complete.
- Two new separation types were added to the Meat StreamLine.
- The separation type on the batching station can now be changed **directly** on the *Input Station*.

SensorX Accuro Report Delivery

A new CL Batch progress report was added to use in combination with Sensor X Accuro. This report is located in Grading but is implemented for the SensorX Accuro setup. The report is installed as a part of the Grading QuickConfig for Accuro (TMS).

The CL Batch progress report shows how one or more Accuro Batches progress as each grader piece goes into it. This graphically helps to understand the lowest CL coming into each of the lots that make up a box and to see what the average raw material is in each box.

The layout of the report is based on a report that is available on the grader:



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Poultry PDC

The PDC module is now available as part of the New Innova Release. The purpose of the module is to collect the (poultry) product properties, like quality, weight, flock, processed time, etc., and store the data for reporting and dashboarding purposes.

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Included in this release

The following Innova modules and products are included in this release from version 6.1.0:

Innova module	Module version	Product name	Disclaimer
Base	6.3.0	Not a sold product	
Data Visualization	3.3.3	Not a sold product	
Process	5.3.0	Innova Final Goods Manager	
		Innova Inventory	
		Innova Labeling	
		Innova Order Manager	
		Innova Time Registration	
Web UI	3.1.2	Not a sold product	
Carrier View	3.0.1	Not a sold product	Included to support the CLS and SIS (IPPS) modules
CLS	2.0.2	Innova Chiller Logistics System	
Deboning	3.3.0	Innova Meat StreamLine	
		Innova StreamLine Trimming	
Decision Matrix	2.1.1	Not a sold product	
Deployment	7.0.2	Not a sold product	
FLS	2.0.1	Innova Crate and Box Distribution Solution	
Grading	3.1.1	Innova RoboBatcher	
		Innova Accuro	
		Innova Grader	
		Innova Compact Grader	
		Dynamic Order Control (see SPacker)	

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		Innova Flexisort	
		Innova SmartSort	
		Takeaway with Integrated Checkweigher	
		Takeaway with Terminal	
IMPAQT	3.1.0	Innova IMPAQT	
Integration	3.0.2	Innova Integration Services	
IRIS	3.0.4	Innova Intelligent Reporting, Inspection and Selection (IRIS)	
Monitoring	3.0.1	Innova Equipment Monitoring	Included to support alarms in the IMPAQT product. The Equipment Monitoring product is not released.
OEE	4.0.4	Innova OEE	Included only to support IMPAQT. This release includes support for selected products only on request.
OptiPack	3.1.0	Innova Packing	Support for OEE in this release of OptiPack is available only on request.
		Box Management System (BMS)	Solution not sold as a standard product
		Innova Mcheck2	
		Innova Multihead Weigher	
		Packing Scale License	
		Innova SpeedBatcher	
		Innova TargetBatcher	
PDS	4.0.1	Innova PDS	Included to support the PDS functionality needed for IRIS, SmartWeigher (Abstraction

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			module)
Portioning	2.0.1	Innova FleXicut	
		Innova I-Cut (dual lane)	
		Innova I-Cut (single lane)	
QC	2.0.4	Innova Quality Control	
SensorX	3.0.0	Innova SensorX Poultry	
SIS	2.2.0	Innova Primary Processing Software (IPPS) - Beef	
		Innova Primary Processing Software (IPPS) - Pork	
SmartWeigher	3.0.4	Innova SmartWeigher	
Sol.BoxSorter	2.0.1	Not a sold product	
Sol.Fish	3.0.0	Innova Purchase Order Reweighing (Not a formal product)	
Sol.Hopper Distribution	1.0.0		
Sol.WFExport	2.0.1	Not a sold product	
Sol.SPacker	2.1.0		
Stork Solution	1.0.0	Not a sold product	
Trimming	4.1.0	Innova Trimming	
		Innova Manual Trimming	
		Innova Fish Streamline 900	
		Innova Poultry Streamline 900	
		Innova Poultry Streamline 1100	

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Unit Operations	3.1.1	Innova Unit Operation Station	
Web	3.0.2	Innova Web	Included to support other modules
Weighbridge	3.0.0	Not a sold product	
WPL	2.2.2	Innova WPL	
		Innova Inline OCM 9500	
Yield Control	3.0.2	Innova Yield Control	
		Innova Flowscale	
		Yield Registration Device	

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New in this release

The following application modules were also added as part of the New Innova Release in version 6.1.2:

Innova module	Module version	Product name	Disclaimer
PDC	3.1.2		

Base

Module: 6.3.0

Changes in this release are from module version 6.1.2 to 6.3.0.

New features and improvements

The following new features and improvements to functionality were added:

V5toV6UpgradeMenu Tool - Added Functionality Request

When exporting menu items duplicate/or empty system names now are regenerated.

MenuEditor - Add resource column to menu tree

Added the Resource column to the tree view to show and edit the resource name for the selected view node.

FuchsRfidDriver now supports BarcodeReaderService

Now the **BarcodeReaderService** methods like *BadRead*, *GoodRead* and etc. are accessible for **FuchsRfidReaders** connected to IPCs.

Toolbox - Changes to Database Creator toolbox plugin

Updated loader data

- Companies now use companies name not site name.
- Startup order and delay updated for system programs.
- Added loader data for xml data store to include system measurement, system culture and product code.

Applications

- Update application to also store App.Configuration on load as the loader data only insert limited data. This will ensure the config contains all properties defined in the Configuration data class.

Baseop

- Moved function `PopulateAssemblies` from baseop project to Base/Assemblies. As toolbox need to be able to run this function without running baseop. Running baseop at that moment will block the `DbLoader` to update `xmldatastore` loader data. As it creates the `App.Configuration` data entry in that table. User will still be able to run those function via baseop.

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- Marked the "create_new_database" function and respective code to be removed in next major release of base (see story 186860) .

DatabaseTool toolbox plugin

- Added support to be able to create database and innova config file and not use exiting innova config file as was required before.
- Added support to enter company name and not only site name.
- EstablishmentCode name changed ProductCode as that is what it is. Entering product code is optional.
- Removed fields to select assembly folder, menu package folder and installation folders. Those folders are fixed to a certain structure and do not need to be selected.
- Removed AssemblyFolder, LoaderDataFolder and MenuPackageFolder from settings.
- Removed the GAC class as it is not used anymore.

DatabaseCreator

- Updated how default settings in ConnectionScope is set. Now the config provided from the UI is used.
- SystemConfig (innova.config) is now stored after the database have been created and before data is loaded to database.
- SaveSystemConfig function can now create a new innova.config file if it is missing. It will also set default system number to the one being created.
- Removed function to insert product code. This is now done via base_xmldatastore.xml loader data.

ToolBox

- Added support to have empty or no innova.config file. There could be places, deep down, which could crash when there is no config file.

InstallValues

- Added properties to set company name and company short name. These will be used in the base_companies.xml loader data.

MigrationTool

- Added error handling. And support for no system settings (innova.config missing)

Others

- For this update to work version 5.1.1 or newer of Core is required. Which is alpha version when this code is committed. There there is a link to Core v5.1.1-alpha* in the packages.props file.

Toolbox - Add license key installer into the Toolbox

The Innova License Key Installer application has been converted into an Innova Toolbox tool and simplified. The purpose of this tool is to help the user/service technician is to install a Innova license key on the Innova system in a simple and easy manner.

Add DbSchema and ResourceEditor back into Base

Moved DbSchema and ResourceEditor to Base module.

Toolbox - Show log table for a database

The system log viewer view has been added to the database tool plugin.

Toolbox - Invalidate manifest on refresh in pending migrations

A new functionality has been added to reset the manifest file when clicking the refresh button on the migration plugin.

Toolbox - Migration setup changes

- Remove persisting of migration assembly folder for migrator in MigrationContext.
- Remove group from CompareToolPlugin grid.
- Removed initialized check in PendingMigrations as it prevented update on assembly folder because it doesn't call MigrationContext.Instance.Migrator when plugin is displayed.

Bug fixes

The following bugs were fixed:

- Fixed an issue where the Trimming line dashboard (created by QuickConfig) view could not be opened due to an error.
- **When importing XML for LedPlates it does not fill eventID column**
Fixed an issue where the eventID column was not filled when importing XML for LedPlates.
- Fixed an issue where the *Marel.Mp6.CLS.UI.M6000.ClsTerminal.ClsTerminalCE Stop* view stopped working after adding external columns.
- **M1100 stand alone packing system - not recording the tare on the pack record**
Support to handle messages using Extended format protocol 1 has been added. This enables Innova to be able to receive and process both fixed and adjusted tare from M1100 scales. The scale must be configured to use this protocol. The M1100 scale driver will figure out if the scale is sending messages using the standard or the extended protocol.
- **M1100 can now be used with IPC packing stations and unit operations stations.**
- Fixed an issue where enum values were not translated.
- The location for the program editor URL that Innova sends to the Flexicut device has been updated.

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- Fixed an issue where the first underscore in MpsSystem name and databaseName was not displayed correctly.
- Minor UI issues and cosmetic changes were done for Toolbox.

Deboning

Module version: 3.3.0

Changes in this release are from module version 3.0.2 to 3.3.0.

New features and improvements

The following new features and improvements to functionality were added:

Breakup (ReHook) stations

New types of stations for a breakup line were added to the Deboning system. New functionality provides an ability to keep traceability through quartering and bone-pulling system from Guaporé. Control system is PLC controlled by Marel Guaporé. For more information on Breakup (ReHook) station, see *Innova Deboning Installation and Configuration* manual.

Terminate location batches for multi-batching station

New functionality has been added to the MultiBatching station to support manually terminating of a location batch before the multi-batch finished.

Assign deboning items to item records when batch is closed on deboning grading controller

A solution has been implemented for the **Marel.Mp6.Deboning.Services.Controllers.GradingController** which assigns all deboning items in a closed grading batch to the item created in the *CreateItem* Unit Operation when a batch closes.

Bug fixes

The following bugs were fixed:

- Fixed an issue where the last unit was not being removed from the station units table when splitting a reweigh batch.
- Fixed an issue in the Standard controller in Deboning that prevented the RT220 controller from being activated in correct cases when turning the back light on and off.
- **Zero weight buffer transfer**
Added check to Workstation BufferTransfer method, to verify that the buffer's current weight is greater than or equal to the configured minimum buffer weight, when the task line requires weight (i.e. is configured with GetWeight).

If the current buffer weight is below minimum buffer weight, when trying to trigger buffer transfer of product, and task line requires weight, the buffer transfer returns false.

- Fixed an issue where a missing pack size unit caused the batching stations to crash.
- The missing functionality for the QA mark separation support has been ported.
- The missing functionality for skipped pieces in mdservices historical data has been ported.
- **Input weight and piece values are now readable on Streamline M3306 Performance screen**

The **InputPerformance** pie chart series labels have been moved from outside to inside of the chart, the text size and border have been increased to provide better readability and sufficient text space.

- **Cutup task screen in deboning web terminals .**

An issue on the cutup task screen in deboning web terminals was fixed. If the **Screen Configurations > CutupTaskScreen > DisplayTaskProgress** config property was set to *true* (and the active cut pattern includes a Target processing time value) a progress percentage is supposed to be displayed on the cutup screen.

The value was not displayed, but now however when the task is in progress a progress bar is displayed at the bottom of the screen. The bar has a green background until it reaches 100% then the background becomes red.

DecisionMatrix

Module version: 2.1.1

Changes in this release are from module version 2.0.0 to 2.1.1.

New features and improvements

The following new features and improvements to functionality were added:

Support IN and NOT IN operator for killnumber and earmark

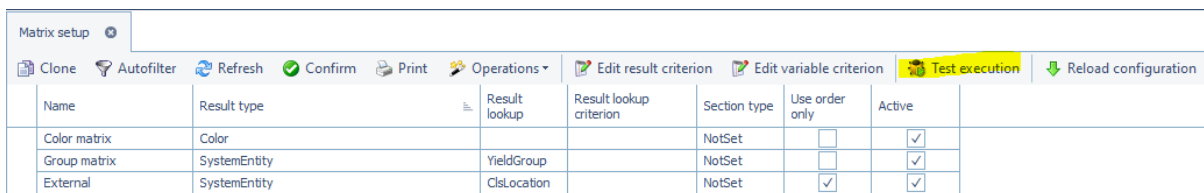
A new functionality to add a series of kill numbers (f.e. 5,10,11,15) was added. Animals with a specific kill number can be kept together in CLS, or a special test can be done on them in SIS by sending them to the retained area.

A new functionality to add a series of earmarks (IdCode) was added. Now specific animals can be selected.

Create view extension to test the selected matrix configuration

A new Matrix tester functionality was added to the matrix setup view.

To test the matrix, navigate to the Matrix setup view. Select the matrix you want to test, and select **Test execution**.



Name	Result type	Result lookup	Result lookup criterion	Section type	Use order only	Active
Color matrix	Color			NotSet	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Group matrix	SystemEntity	YieldGroup		NotSet	<input type="checkbox"/>	<input checked="" type="checkbox"/>
External	SystemEntity	ClsLocation		NotSet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

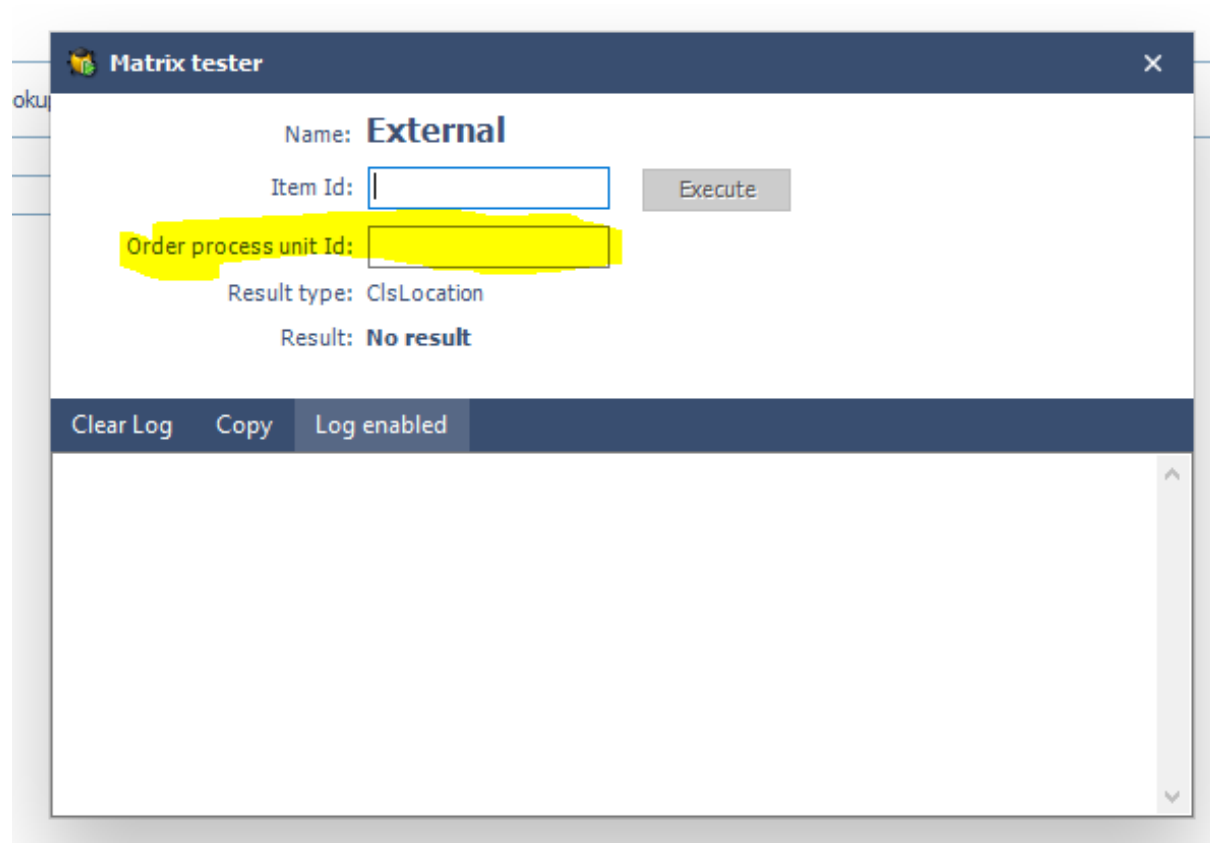
In the **Matrix tester** dialog fill in the item Id, against which you want to test the matrix . Select **Execute** to test the matrix. In example below the matrix returns yield group Id 3.

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The log shows the trace, you can see which matrix line is valid and the result value the matrix returns.

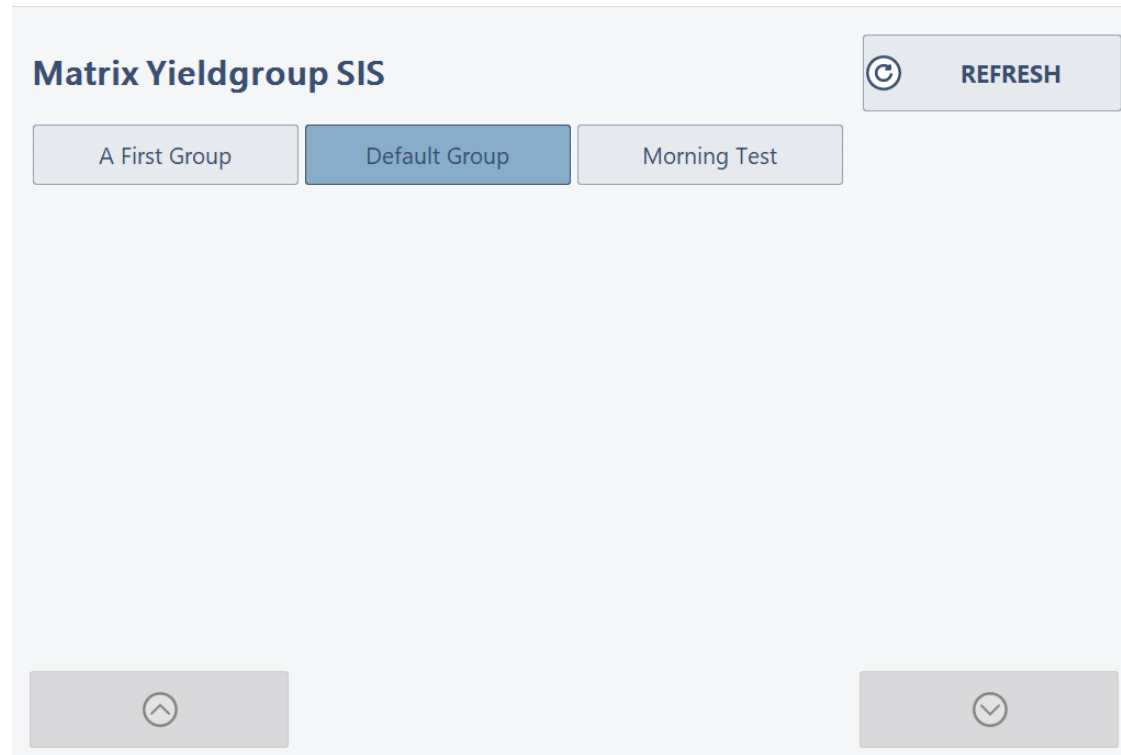
To test a matrix that has order only active, fill in the (order) process unit id.



Add a new Matrix Group Selection Terminal

A new Matrix group switching terminal was added. This terminal allows an operator to alter which matrix group is active for a configured matrix. The configuration provides the ability to

set multiple matrix groups and lets the operator switch between these if necessary.



The following terminal functionality is available:

- Show all available matrix groups for the configured matrix.
- Show which matrix group is the active group for the matrix.
- Allow an operator to activate a different group for the matrix.

Support for external column and find it via value path

Added support for external columns to the Matrix module.

Bug fixes

There are no bug fixes to report in this release.

Deployment

Module version: 7.0.2

Changes in this release are from module version 7.0.1 to 7.0.2.

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:

- Fixed **.Net Runtime** error that was generated in the event log.

Grading

Module version: 3.1.1

Changes in this release are from module version 3.1.0 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:

- **Grading WS ProductSettings - Add product screen issue**

Fixed an issue with the Add Product view where the Add Product model would initialize with default values and throw an exception, indicating that the object could not be converted from Int32 to Int16.

IRIS

Module version: 3.0.4

Changes in this release are from module version 3.0.2 to 3.0.4.

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:

- Fixed an issue where the IRIS Setup view in the Production system was throwing an exception.
- Fixed an issue related to role permissions for IRIS and Smartweigher modules.

Monitoring

Module version: 3.0.1

Changes in this release are from module version 3.0.0 to 3.0.1.

New features and improvements

The following new features and improvements to functionality were added:

Equipment Monitoring - PLC Alarm plugin active alarms time-out

The time-out for retrieving the active alarms has been increased to 1 minute for equipment monitoring on B&R PLC's, which helps prevent problems with time-outs.

Bug fixes

The following bugs were fixed:

- Fixed an issue where manually changed TAP alarm levels were being overridden after a TAP reset.
- A memory leak has been for the equipment monitoring alarms plugins for Marel core PLC, which was causing a big increase in memory consumption over time.

OEE

Module version: 4.0.4

Changes in this release are from module version 4.0.2 to 4.0.4.

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:

- **The sequence to order entities in the OEE figures history report has been fixed.**

Now, the OEE figures history orders entities first using sequence and then using entity id. If only some entities have a sequence number this will be used as first priority and then entity ID as the second priority.

- An issue in the OEE EntityClient where the sequence of SetSignals was inconsistent has been fixed.
- An issue where the plugin would crash after starting due to an SQL conversion error in datetime has been fixed.
- An issue in the OEE Details report where the Quality percentage was not displayed if it was 0 has been fixed.
- Fixed an issue in the OEE Losses Histogram report where the sequence of the entities was not equal to the number in the sequence column.
- Fixed an issue in the Event Schedule Overview report that was causing the selected day to be incorrectly displayed on the x-axis.
- Fixed an issue where the OEE failure histogram did not show all the reasons in the graph.
- The Improvements view issue where the equipment column would not display previously entered values for each new row has been fixed.
- Fixed an issue in the OEE Stop reason history report that caused the chart average point to mismatch when they fell close with each other in time.
- Fixed event editor query performance issue.
- **IMPAQT/EQM y-axis stop reason report does not start at "0"**

Fixed an issue in the OEE stop reason history report where the y-axis always did not start at 0 when the default y-axis scale was chosen. Fixed a graph with multiple objects in this

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changeset where the results of selecting multiple objects did not match the results of selecting a single object.

- **Fixed the default layout for Stop reasons, Performance reasons, and Quality reasons views**

The **IsStandard** column is now visible by default and is not editable in the Stop reasons, Performance reasons, and Quality reasons views.

OptiPack

Module version: 3.0.2

Changes in this release are from module version 3.0.2 to 3.1.0.

New features and improvements

The following new features and improvements to functionality were added:

MCheck2 checkweigher extra jobs support

A new functionality was added to the program editor that allows to have more than 2 jobs per program.

The number of allowed jobs are configured on the checkweigher. Terms: In Innova the term 'Job' is used, and this is equivalent to the term 'Band' used on the checkweigher.

System - Storage Data

[State Storage](#) | [State Live View](#) | [Configuration Storage](#) | [Storage Recipes](#) | [PST](#)

Name	Value		Description
Program			
0			
debugMode	0		Flag to control general debug mode (1=on, 0=off), if on overrides detailed debug modes
enableUnderMachineMinReject	true		Enables a different rejecter for packs under the machine minimum weight.
label	Program		Process label
numberAvgWeightBands	8		Maximum number of average weight bands allowed
numberWeightBands	8		Maximum number of weight bands allowed

The sequence of the jobs in Innova will also be the sequence in the machines editor. Note: The sequence is used by Innova when receiving pack data to select the job.

The Product select channel is used by the machine to select the right band when products are arriving on different input lanes. The same product can arrive on different lanes. Note: In Innova collected data there will be summarized only for one product per program (not per product/lane).

This is a screenshot from the editor with 3 job/ bands (MultiJob 4a, MultiJob 4b, MultiJob 4c). Jobs can be added and removed using keys in the toolbar.

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The screenshot shows a software interface with three main sections: Weight Settings, Gate Settings, and Advanced Settings. The Weight Settings section includes fields for Nominal (g), Tare (g), Minimum (g), Maximum (g), Low limit (g), High limit (g), and Priority. The Gate Settings section includes fields for Accept, Overweight, Underweight, Not weighed, Metal reject, No band, and Under machine min. The Advanced Settings section includes fields for Live data histogram resolution override (g), Feedback enable, and Product select channel.

The machine now supports 3 different product selection modes (2 more besides weight only). The modes are entered in the Device parameter section for the program. The options are :

- Weight
- Product id
- Product id and Weight

The screenshot shows the Device parameters section of the software interface. It includes fields for Batch name, Metal detector program number, Trend sample, Belt speed in mm. Min 300., Program code for IO, and Prod.Select(1:Weight, 2:Prod.Id, 3:Prod.Id and Weight).

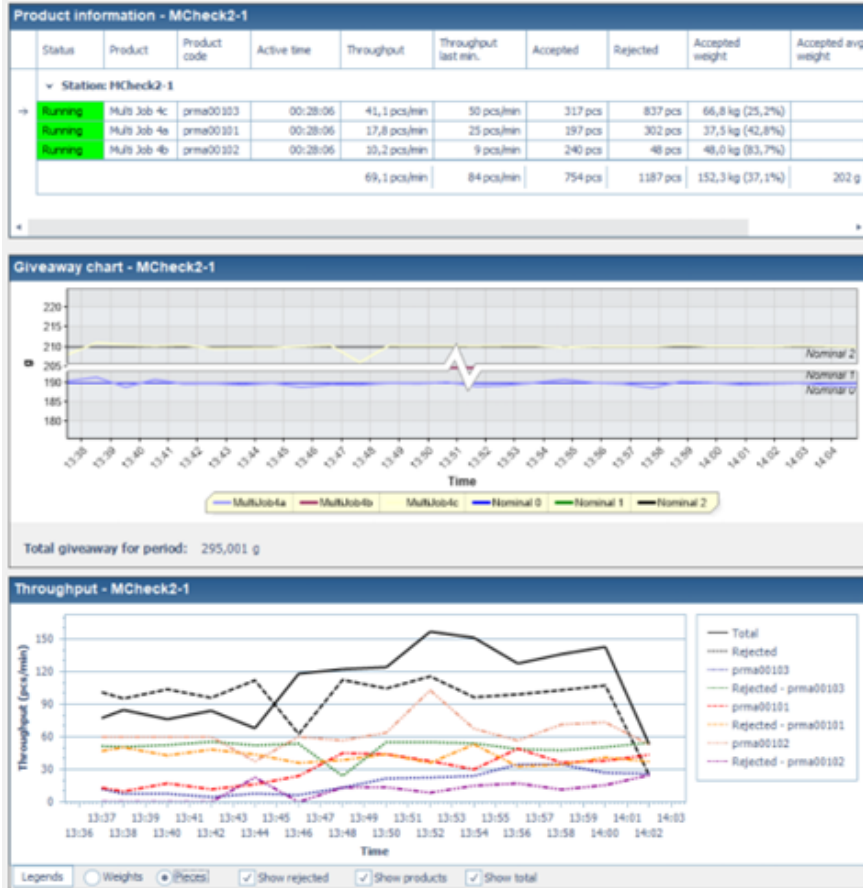
There are 2 new reject channels

- No Band Selected - Output number to activate for packs that could not be assigned to a band.
- Under Machine Min - Output number to activate for packs that weighed less then the machine minimum weight.

The screenshot shows a close-up of the Gate Settings section. The fields for No band and Under machine min. are highlighted with a green box.

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Example on some of the dashboards for the checkweigher:



Bug fixes

There are no bug fixes to report in this release.

PDC

Module version: 3.1.2

Changes in this release are from module version 3.1.2 to 3.1.2.

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:

Fixed a performance issue in PDC that caused a CPU spike when showing the chill line content in the dashboards. The following improvements were made:

- Improved the query performance.
- Ensured not to load data for the dashboard components which are not visible.
- Made sure the data for all visible components is not retrieved all at the same time.

Process

Module version: 5.3.0

Changes in this release are from module version 5.2.1 to 5.3.0.

New features and improvements

The following new features and improvements to functionality were added:

Secure Print - added more Legal Fields and Create a new Formatter for the Tare Fields

A new **Global SecurePrint** configuration was added to the XML datastore. This enables secure printing globally. However, it can be overridden in each *PrintPack* or *PrintItem* unit operation. The **RecPackMsg** property in *OperationData* has now been replaced by the **RecPackData** property. This change was necessary as the **RecPackMsg** property had become obsolete and incompatible with the Web APIs.

Labelling - update maximum length for WPL/OCM barcodes

The maximum barcode length has been increased from 75 to 127 to fully support the abilities of WPL9000+ and OCM9500+.

UnitFinder missing in V6

The UnitFinder functionality, including the view and view extension, has been ported.

Bug fixes

The following bugs were fixed:

- Fixed an issue where labels were not being added to the Innova print history if a printer was enabled for secure printing along with the print history.
- Fixed an issue where all requests were being logged to the same file if there were multiple printers on multiple routers.
- Fixed an issue where the *OperationContext.SkipNextOperation* property was not accessible from scripts.
- Fixed an issue with the *AssignOrderToPrunitsByProcessMethods* property, where the operation would fail if there was no process method on the order line.
- Fixed an issue where the *PacksDryGoodsInventory* configuration was not loaded when the grid was initialized.

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- Fixed an issue where the Marel.Mp5.Process.Reports.Orders.ProductOverview.ProductOverview report would not work for items if the **IsProcPackReport** configuration was set to *False*.
- Fixed an issue where the Process Methods picker did not work in the Product Maintenance view.
- Fixed an issue where once an order line was assigned to a process unit, it was not possible to remove it from the process unit.
- Fixed an issue where the production day calendar would not display properly on the WPL RDP screen when using the *ManagePrunitControllerExtension*.

QC

Module version: 2.0.4

Changes in this release are from module version 2.0.3 to 2.0.4.

New features and improvements

The following new features and improvements to functionality were added:

Don't show keyboard when first entering inspection

A new functionality has been added to the IPC. Now, when you first enter an inspection, if the first item is a string item, the keyboard will not be displayed. To open the keyboard, simply click on the field.

Bug fixes

The following bugs were fixed:

- **QC Hidden Inspection Item functionality lost in new build**
Fixed an issue that occurred when a field was hidden and the Require Method was set to *RequiredToComplete*. It was not complete when the Inspection was **Finished**, instead, it saved the inspection with a status of **In-Progress**.
- Fixed an issue where an inspection item with value type *ObjectId* did not have a Label property when designing an inspection procedure with that inspection item.
- Fixed an issue where the QC Inspections ValueType LongString was not allowed to have more than 80 characters.
- Fixed an issue where it was not possible to update/change the QC Inspection viewer.
- Fixed an issue with the GetQueryValue functionality when using the Value Types for the Inspection items: Order, Employee, Lots & Collections.
- Fixed an issue where the EmployeeDefectsCE view did not work due to an issue in the employee lookup.

SIS

Module version: 2.2.0

Changes in this release are from module version 2.0.3 to 2.2.0.

New features and improvements

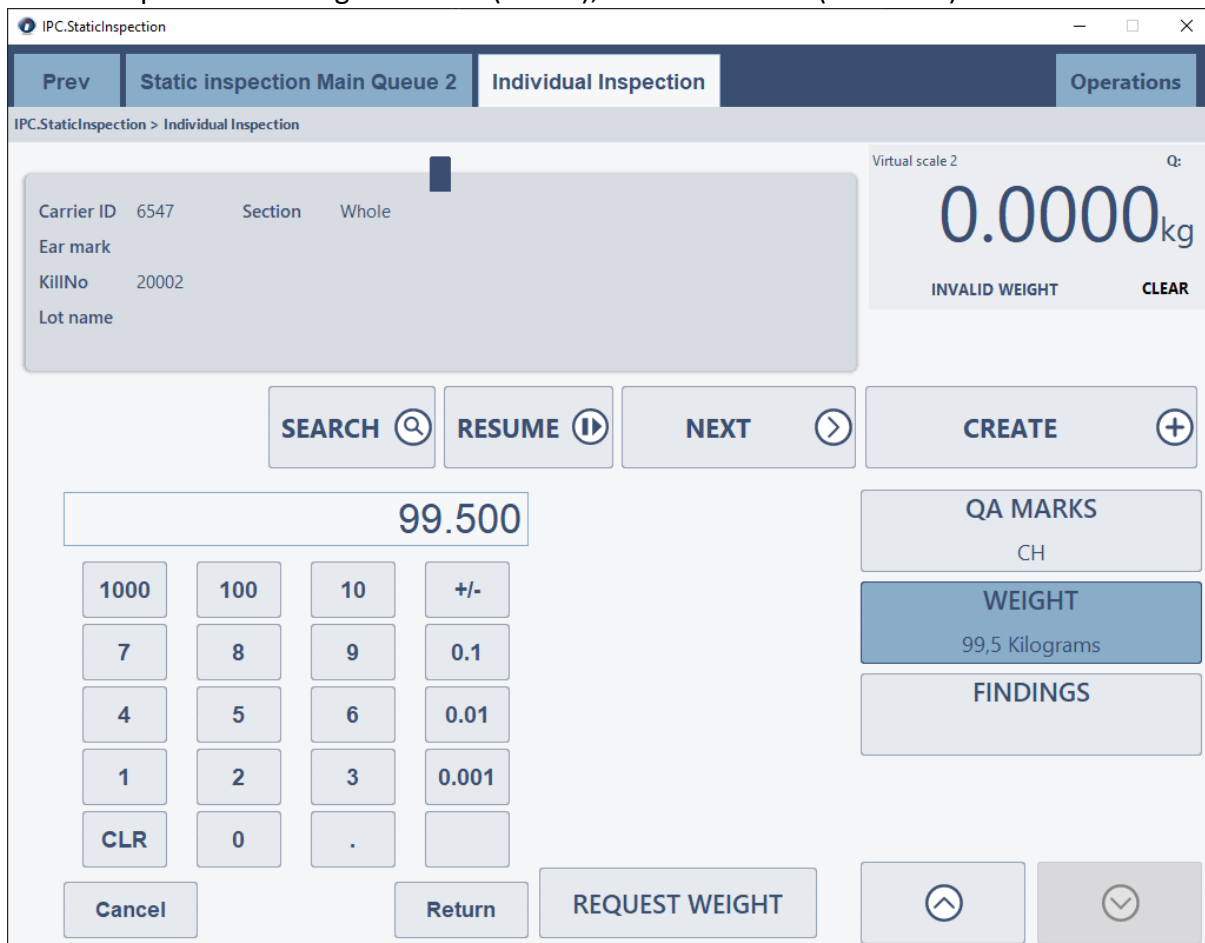
The following new features and improvements to functionality were added:

Individual Inspection terminal

Added a new Individual Inspection terminal. The purpose of the terminal is to inspect an individual, add or remove findings, animal data, and update the individual's weight. This terminal is normally located in the stable area.

The following functionalities are available:

- Operator can look for an individual and add or remove findings or animal data.
- It is possible to weigh the item (whole), or create a new (unknown) animal.



Send Item Left Terminal at Sequencing

Sequencing terminal now send out an event (*SendItemLeftSequencingTerminalEvent*) to signal which individual and item just left the sequencing terminal (operator recorded an animal).

Add hook RFID data to the item/carrier to the Static inspection, Inline inspection, Static input field, Classification terminals

The RFID carrier (hook) code has been added to the product on the Static Inspection, Inline Inspection, Static Input Field, and Classification terminals.

Update Slaughterplans and ROLA to support QA marks

Slaughterplans and ROLA now use a list of QA marks, instead of the previously used four fixed columns.

Add view switching buttons to the sequencing and classification views

A new functionality has been added that allows switching between Sequencing (Batch / Unique) and Classification terminals. This function only works if views are used in the *SequencingClassificationTerminalCE*.

Bug fixes

The following bugs were fixed:

- Fixed an issue that caused the **SISMan.exe** system program to crash if the label printer was in an invalid state.
- Fixed an issue where the create button on the Static Inspection terminal could not be hidden using configuration.

Breaking changes

Configuration might break, due to the changes.

QA marks and integration (import)

QA marks on slaughterplans and rola groups are no longer four fixed columns, but they are a list of QA marks referencing the slaughterplan. Any integration importing/exporting to/from slaughter plans needs to adapt to this change.

Basic SIS - Classification Terminal

The external process configuration needs to be reconfigured, as this is now a proper input field, and supports multiple external processes.

SmartWeigher

Module version: 3.0.4

Changes in this release are from module version 3.0.2 to 3.0.4.

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:

- Fixed an issue with role permissions for the IRIS and Smartweigher modules.
- Fixed an issue where TAP settings in Smartweigher did not allow a negative weigher offset.

Sol.SPacker

Module version: 2.1.0

Changes in this release are from module version 2.0.0 to 2.1.0.

New features and improvements

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

Alarm for Salmon SPacker when no matching orders are assigned


A new feature allows monitoring pieces that go off-end with a **No Order** status from the grader and raise an alarm to alert operators so they can take action and verify order availability for all products.


A minimum number (configurable) of pieces must be reached before the alarm is activated. An in-memory categorized collection of the off-end pieces is maintained. Pieces will time-out after a period (configurable).

The alarm state contains a descriptive list of the pieces, grouping by Piece Type (SUP, ORD, PROD) and by weight range. A count of each group is shown and the list is ordered descending by this count to highlight the product with the most rejects.

Sample alarm shown in standard dashboard components:

- AlarmMonitor
- AlarmLamp
- QueryLabel

Alarm Monitor							
No		Device	Name	Details	Time	Alarm	State
1		SP Grader	No order available for product	SUP 5,0-6,0 kg 14 pcs	2024-04-17 15:36:00	On	0

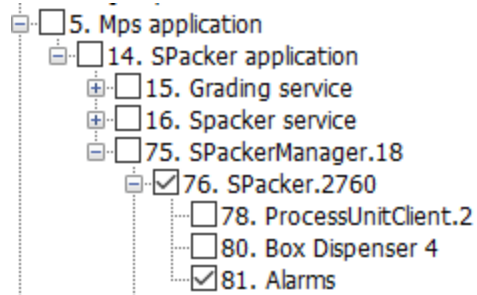
 SUP 5,0-6,0 kg 14 pcs
ORD A 5,0-6,0 kg 10 pcs
SUP 4,0-5,0 kg 7 pcs

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Sample query for Query label to show alarm state:

```
select statedescription from base_alarms
where
owner = 2760 -- spacker device Id
and code = 'SpackerNoOrderForProduct'
and alarmon = 1
union all
select '' as statedescription -- to hide 'N/A' from query label component
```

A trace switch for diagnostics:



Example of an alarm XML config (part of SpackerNew config section of grading system setup)

```
<!--Alarm configuration-->
  <AlarmConfig>
    <!--Should alarm be enabled-->
    <Enabled>True</Enabled>
    <!--Alarm record to use, created if not existing-->
    <Alarm>
      <!--Alarm record code, used to look up alarm record.-->
      <Code>SpackerNoOrderForProduct</Code>
      <!--Alarm record name, used when creating new alarm
record.-->
      <Name>No order available for product</Name>
      <!--Alarm record description, used when creating new alarm
record.-->
      <Description>No order active on grader matching following
types and sizes</Description>
    </Alarm>
    <!--Weight ranges to use for all piece types-->
    <WeightRanges>
      <WeightRange>
        <Min>0</Min>
```

```
<Max>1</Max>
</WeightRange>
<WeightRange>
  <Min>1</Min>
  <Max>2</Max>
</WeightRange>
<WeightRange>
  <Min>2</Min>
  <Max>3</Max>
</WeightRange>
<WeightRange>
  <Min>3</Min>
  <Max>4</Max>
</WeightRange>
<WeightRange>
  <Min>4</Min>
  <Max>5</Max>
</WeightRange>
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  <Min>5</Min>
  <Max>6</Max>
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  <Max>7</Max>
</WeightRange>
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  <Min>7</Min>
  <Max>8</Max>
</WeightRange>
<WeightRange>
  <Min>8</Min>
  <Max>9</Max>
</WeightRange>
<WeightRange>
  <Min>9</Min>
  <Max>10</Max>
</WeightRange>
<WeightRange>
  <Min>10</Min>
  <Max />
</WeightRange>
```

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```
</WeightRanges>  
<!--Time-out rejected pieces after specified period, Zero dis-  
ables timeout-->  
<PieceTimeoutMinutes>5</PieceTimeoutMinutes>  
<!--Minimum number of concurrent rejected pieces before turn-  
ing the alarm on.-->  
<MinimumPieceCount>10</MinimumPieceCount>  
</AlarmConfig>
```

Bug fixes

There are no bug fixes to report in this release.

Unit Operations

Module version: 3.1.1

Changes in this release are from module version 3.0.0 to 3.1.1.

New features and improvements

The following new features and improvements to functionality were added:

Added support to execute unit operation on IODevice input changed event

Two new configurations have been added under a new IoRecord category in the **UnitOpCE** station:

- *ExecuteUoOnIoInputChanged*: This configuration indicates whether the station should attempt to execute/record when it receives an input-changed event from the device.
- *CanExecuteOnInputWithNoWeight*: This configuration indicates whether the station can execute/record if no weight has been received when executing on an input-changed event from the device.

Added support to execute on pending weight if new weight comes

A new configuration, *RecordUnusedHoldWeightOnNewWeight*, has been added under the scale category on the UnitOpCE station. This configuration indicates whether the station should attempt to record if there is an unused hold weight record when a new weight is received. This requires the *HoldWeightRecords* configuration to be set to **True**.

QueryOperationParameter - execute query when fetching initial value

A new configuration flag, *TryExecuteQueryOnInitialValue*, has been added. This flag indicates whether the query should be executed when trying to get the initial value for the parameter. This can be particularly useful when the query operation retrieves related values from other parameters.

QueryContextCriteria missing in UnitOp Station config

The *QueryContextCriteria* property and its associated functionality have now been added to the *QueryLookupOperationParameter*.

Bug fixes

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The following bugs were fixed:

- **RelatedContextName not working when field is hidden**

Fixed an issue where hidden parameters were populated by scanning a barcode. Now, if a related visible field is filled or selected and a new barcode is scanned, the related field(s) are cleared.

Web

Module version: 3.0.2

Changes in this release are from module version 3.0.1 to 3.0.2.

New features and improvements

The following new features and improvements to functionality were added:

Solve the structure of angular component and usage of node_modules

The web version of Innova has undergone a significant change. All Angular components have been moved to the IMPAQT module. As a result, all Angular and node_modules have been removed from this project.

Port ValidateRegistration as WebService and improve the Lookup function

SecurePrintValidateRegistration was ported as part of the Web module.

Bug fixes

There are no bug fixes to report in this release.

WPL

Module version: 2.2.2

Changes in this release are from module version 2.2.0 to 2.2.2.

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:

- Fixed an issue where the controlling multi-comformat could not be saved and the job could not be started if the e-weighing product had two or more layouts.

Yield Control

Module version: 3.0.2

Changes in this release are from module version 3.0.1 to 3.0.2.

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:

- Fixed an issue where the actual yield in an M2200 terminal field was displayed incorrectly due to a property glitch of the *YieldPointState* in the *YieldPointService*.
- Fixed an issue where the lookup for employees logged onto a station would always return null.