

Innova Release Notes

Version: 6.1.4

Publication Date: 15 November 2024

Highlights

This version of the New Innova Release contains the Innova Platform and selected products and modules available for new installations. This is the seventh generally available release of the New Innova Release and delivers bugfixes and feature improvements. No new modules are released in this version.

NOTE: This version requires the **Innova Installation Manager version 1.5.2** to install properly. Older versions of the Installation Manager will wrongly report compatibility issues with some modules.

Checkweigher improvements

Multiple bands are now supported in the MCheck2 program editor.

Meat StreamLine Trimming reports

New reports for Meat StreamLine Trimming are now available as part of the Deboning module. See Deboning.

WPL improvements

WPL can now capture reject totals in Innova from an IloDevice and display them in reports. See WPL.

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Included in this release

The following Innova modules and products are included in this release from version 6.1.3:

Innova module	Module version	Product name	Disclaimer
Base	6.4.3	Not a sold product	
Data Visualization	3.3.4	Not a sold product	
Process	5.4.2	Innova Final Goods Manager	
		Innova Inventory	
		Innova Labeling	
		Innova Line Profiler	
		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	3.5.0	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	3.2.1	Innova RoboBatcher	
		Innova Accuro	
		Innova Grader	

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		Innova Compact Grader	
		Dynamic Order Control (see SPacker)	
		Innova FleXisort	
		Innova SmartSort	
		Takeaway with Integrated Checkweigher	
		Takeaway with Terminal	
IMPAQT	3.2.3	Innova IMPAQT	
Integration	3.1.0	Innova Integration Services	
IRIS	3.0.4	Innova Intelligent Reporting, Inspection and Selection (IRIS)	
Monitoring	3.0.0	Innova Equipment Monitoring	
OEE	4.0.6	Innova OEE	Included only to support IMPAQT. This release includes support for selected products only on request.
OptiPack	3.2.3	Innova Packing	
		Box Management System (BMS)	Solution not sold as a standard product.
		Innova Mcheck2	
		Innova Multihead Weigher	
		Packing Scale License	
		Innova SpeedBatcher	
		Innova TargetBatcher	
PDC	3.1.4		
PDS	4.0.2	Innova PDS	Included to support the PDS functionality needed for IRIS,

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			SmartWeigher (Abstraction module).
Portioning	2.0.1	Innova FleXicut	
		Innova I-Cut (dual lane)	
		Innova I-Cut (single lane)	
Prepared Foods	1.0.0	Innova Convenience Line Software Central Equipment Control	
QC	2.1.1	Innova Quality Control	
Recipe	3.0.2		
SensorX	3.0.1	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	3.1.0	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	1.0.1	Not a sold product	
Trimming	4.2.0	Innova Trimming	
		Innova Manual Trimming	
		Innova Fish Streamline 900	

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		Innova Poultry Stream-line 900	
		Innova Poultry Stream-line 1100	
Unit Operations	3.1.1	Innova Unit Operation Station	
VID	3.1.4	Innova Fillet Dis-tribution	Required dependency to support PDC.
Web	3.0.2	Innova Web	Included to support other modules.
Weighbridge	3.1.0	Not a sold product	
WPL	2.3.0	Innova WPL	
		Innova Inline OCM 9500	
Yield Control	3.0.2	Innova Yield Control	
		Innova Flowscale	
		Yield Registration Device	

Base

Module: 6.4.3

Changes in this release are from module version 6.4.1 to 6.4.3.

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:

- **WebTerminal login issue via StationEmployeesLoginCE and EmployeeStatus grid**
Fixed an issue where logging in via Terminal triggered *ClientConnected*, which did not happen when logging in via the *EmployeeStatus* grid or IPC *StationEmployeesLoginCE*.
- **WSServer - Long press issue**
Fixed an issue where long press was not working in WSServer.

Deboning

Module version: 3.5.0

Changes in this release are from module version 3.3.1 to 3.5.0.

New features and improvements

The following new features and improvements to functionality were added:

Meat StreamLine Trimming reports

A new report package for Meat StreamLine Trimming (SLT) was added to the Deboning module and includes the following reports:

Report	Description																												
Input products	<p>The Input products report can be displayed with or without a lot detail summary.</p> <p>The report can be filtered by StreamLine(s) (process unit), single production day, product(s) or lot(s).</p> <table border="1" data-bbox="365 1360 1388 1507"> <thead> <tr> <th>Streamline</th> <th>Infeed</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <th>Code</th> <th>Input product</th> <th>Pieces</th> <th>Inp. wgt. (kg)</th> <th>Std. yld.</th> <th>Total time</th> <th>Input pr.hr. (kg)</th> </tr> </thead> <tbody> <tr> <td>prma00022</td> <td>Oberschale</td> <td>299</td> <td>742,5</td> <td>85%</td> <td>01:16:42</td> <td>580,9</td> </tr> <tr> <td></td> <td></td> <td>299</td> <td>742,5</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>A summary section can be displayed after each StreamLine section by setting the Show summary report parameter to "True" in the report configuration. The summary is grouped by product and lot, and contains more details than the Products table.</p>	Streamline	Infeed						Code	Input product	Pieces	Inp. wgt. (kg)	Std. yld.	Total time	Input pr.hr. (kg)	prma00022	Oberschale	299	742,5	85%	01:16:42	580,9			299	742,5			
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Input by lot	<p>The Input by lot report contains the Input product summary grouped by lots.</p> <p>The report includes both the input materials and the derived products that are produced as the products travel along the StreamLine.</p> <table border="1"> <thead> <tr> <th>Lot</th> <th>prlo0063</th> <th>DB-241002-08</th> <th colspan="4"></th> </tr> <tr> <th>Product</th> <th>Group</th> <th>Records</th> <th>Weight (kg)</th> <th>Avg.wgt.(kg)</th> <th>kg/h</th> <th>Empl.</th> </tr> </thead> <tbody> <tr> <td>prma00022</td> <td>Oberschale</td> <td>OberschaleTR</td> <td>296</td> <td>738,4</td> <td>369,2</td> <td>586,0</td> <td>2</td> </tr> <tr> <td>prma00023</td> <td>Oberschale gev</td> <td>AfterTrim</td> <td>296</td> <td>562,7</td> <td>562,7</td> <td>937,5</td> <td>1</td> </tr> <tr> <td>prma00030</td> <td>Oberschale zug</td> <td>Skinning</td> <td>296</td> <td>622,3</td> <td>622,3</td> <td>1.001,5</td> <td>1</td> </tr> <tr> <td colspan="3"></td> <td>888</td> <td>1.923,4</td> <td colspan="2"></td> <td></td> </tr> </tbody> </table> <p>The report can be filtered by selecting production days and lots. The columns in the report can be hidden or adjusted in the report configuration.</p>	Lot	prlo0063	DB-241002-08					Product	Group	Records	Weight (kg)	Avg.wgt.(kg)	kg/h	Empl.	prma00022	Oberschale	OberschaleTR	296	738,4	369,2	586,0	2	prma00023	Oberschale gev	AfterTrim	296	562,7	562,7	937,5	1	prma00030	Oberschale zug	Skinning	296	622,3	622,3	1.001,5	1				888	1.923,4			
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Production day summary	<p>This report provides a high level summary with number of records produced each day. The only input parameter for this report is a Production day. A date range can be selected.</p> <table border="1"> <thead> <tr> <th>Production day</th> <th>Lot</th> <th>Records</th> <th>Input wgt.(kg)</th> <th>Prod.wgt.(kg)</th> <th>Yield (%)</th> </tr> </thead> <tbody> <tr> <td>2.10.2024 (miä.)</td> <td>prlo0062 DB-241002-07</td> <td>3</td> <td>4,2</td> <td>4,2</td> <td>100%</td> </tr> <tr> <td>2.10.2024 (miä.)</td> <td>prlo0063 DB-241002-08</td> <td>296</td> <td>738,4</td> <td>551,3</td> <td>74,6%</td> </tr> <tr> <td>Grand total:</td> <td></td> <td>299</td> <td>742,6</td> <td>555,5</td> <td></td> </tr> </tbody> </table> <p>Report columns can be hidden or adjusted in the report configuration.</p>	Production day	Lot	Records	Input wgt.(kg)	Prod.wgt.(kg)	Yield (%)	2.10.2024 (miä.)	prlo0062 DB-241002-07	3	4,2	4,2	100%	2.10.2024 (miä.)	prlo0063 DB-241002-08	296	738,4	551,3	74,6%	Grand total:		299	742,6	555,5																							
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Grand total:		299	742,6	555,5																																											
Input by supplier	<p>This report provides an overview for a single production day. One or more lots can also be selected to filter the content.</p>																																														

Lot	prio0063	DB-241002-08						
Product	Group	Records	Weight (kg)	Avg.wgt.(kg)	kg/h	Empl.		
prma00022	Oberschale	OberschaleTR	296	738,4	2,5	586,0	2	
prma00023	Oberschale gev	AfterTrim	296	562,7	1,9	937,5	1	
prma00030	Oberschale zug	Skinning	296	622,3	2,1	1.001,5	1	
			888	1.923,4				

Report columns can be adjusted the report configuration, which also contains two report-specific settings:

- *AdjustReportContentToPageWidth* to make sure the pages adjusts to different paper sizes.
- *PageOrientation* to be able to set the default page orientation to Landscape if needed.

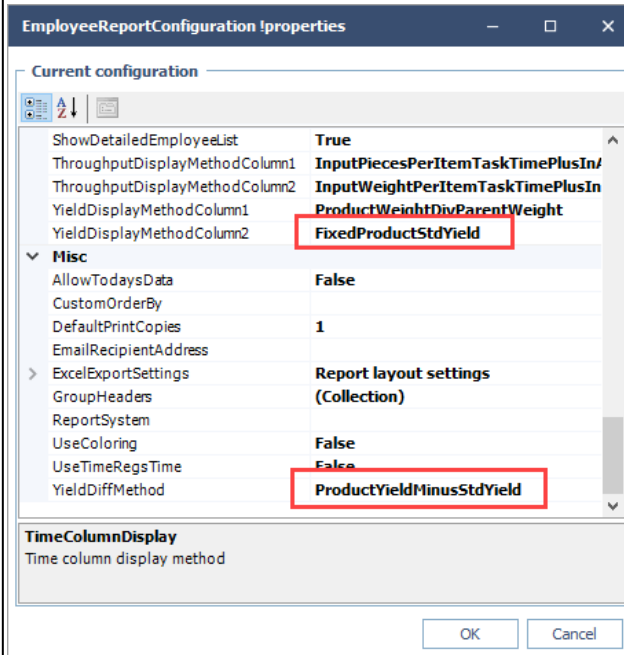
Employee comparison chart

The **Employee comparison** chart already exists as part of the Deboning module.

The report was updated to make it easier to use the **Standard yield** that can be defined for each product in the **Products** view. This includes adding a new **Yield difference** column, which is visible by default. A new yield display method was also added: *FixedProductStdYield*, which displays the **Standard yield** value from the **Products** view.

The **Yield difference** column has two display options:

- *ProductYieldMinusExpectedYield* - The value displayed is the difference between the product yield and the expected yield.
- *ProductYieldMinusStdYield* - The value displayed is the difference between the product yield and the standard yield that can be defined for the product in the products form.



In this example, the value for the *YieldDisplayMethodColumn2* has been selected as "FixedProductStdYield" and the *YieldDiffMethod* value set as "ProductYieldMinusStdYield". When the report is displayed, the result looks like this:

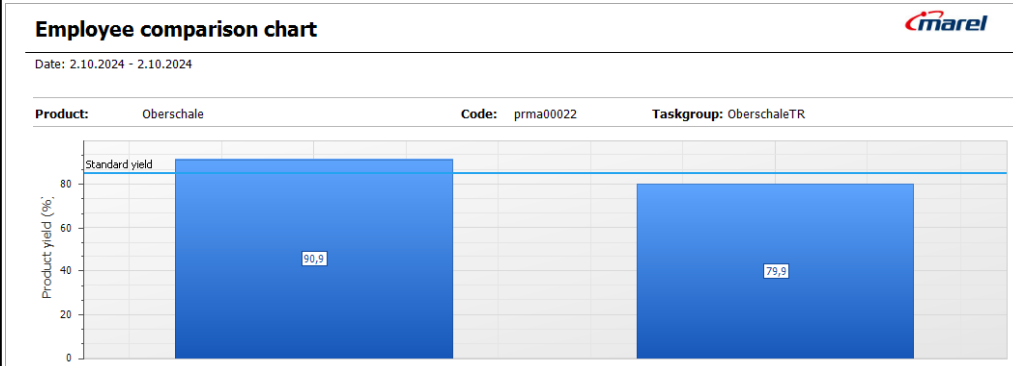
Employee comparison chart										
Date: 2.10.2024 - 2.10.2024										
Product:		Oberschale		Code: prma00022			Taskgroup: OberschaleTR			
Employee	Time (hours)	Pieces	Input weight (kg)	Produced weight (kg)	Average weight (kg)	Product yield (%)	Standard yield (%)	+/-	Pcs/ hour	kg/ hour
SR01 user	00:45	122	301,1	273,7	2,5	90,9	85,0	5,9%	161,1	397,7
SR02 user	00:40	177	441,4	352,8	2,5	79,9	85,0	-5,1%	261,4	651,8
	01:26	299	742,5	626,5	2,5	84,4	85,0		208,4	517,6

The second yield column (**Standard yield**) contain the **Standard yield** value from the **Products** view. The +/- column then contains the difference between the values in the **Product yield** and **Standard yield** columns.

The new benchmark line can be configured to display on the chart:

Chart	
DisplayAverageThroughputLine	True
DisplayAverageYieldLine	False
DisplayExpectedYieldLine	False
DisplayStandardYieldLine	True
EmployeeDisplayMethodOnChart	EmployeeShortName
ResolveXAxisLabels	True
ThroughputDisplayMethodOnChart	InputWeightPerItemTaskTimePlusIn
YieldDisplayMethodOnChart	ProductWeightDivParentWeight

In this example, *DisplayExpectedYieldLine* is set to "False" and *DisplayStandardYieldLine* is "True".



For more information, see the *Innova Deboning User Manual*.

Output by employee

The **Output by employee** report contains details about each employee grouped by lot.

	<p>Output by employee</p> <p>Date: 2.10.2024 00:00</p> <p>Employee: 66 Daniel Vidarsson Lot: DB-241002-08</p> <p>INPUT</p> <table border="1"> <thead> <tr> <th>Product</th> <th>Pieces</th> <th>In wgt. (kg)</th> </tr> </thead> <tbody> <tr> <td>Oberschale gev Oberschale gev</td> <td>1</td> <td>1,9</td> </tr> </tbody> </table> <p>OUTPUT</p> <table border="1"> <thead> <tr> <th>Product</th> <th>Pieces</th> <th>Out wgt. (kg)</th> <th>Prod. yield</th> <th>Std. yield</th> <th>+/-</th> <th>Total time</th> <th>Kg/h</th> <th>Pcs/h</th> </tr> </thead> <tbody> <tr> <td>prma00034 Oberschale Final</td> <td>1</td> <td>0,0</td> <td>%</td> <td>%</td> <td>%</td> <td>00:00:15</td> <td>0,0</td> <td>0</td> </tr> </tbody> </table> <p>Employee: 01 St01 user Lot: DB-241002-08</p> <p>INPUT</p> <table border="1"> <thead> <tr> <th>Product</th> <th>Pieces</th> <th>In wgt. (kg)</th> </tr> </thead> <tbody> <tr> <td>Oberschale Oberschale</td> <td>120</td> <td>297,9</td> </tr> </tbody> </table> <p>OUTPUT</p> <table border="1"> <thead> <tr> <th>Product</th> <th>Pieces</th> <th>Out wgt. (kg)</th> <th>Prod. yield</th> <th>Std. yield</th> <th>+/-</th> <th>Total time</th> <th>Kg/h</th> <th>Pcs/h</th> </tr> </thead> <tbody> <tr> <td>prma00030 Oberschale zug</td> <td>120</td> <td>270,4</td> <td>90,8%</td> <td>89,5%</td> <td>1,3%</td> <td>00:39:34</td> <td>410,1</td> <td>182</td> </tr> </tbody> </table> <p>Employee: 02 St02 user Lot: DB-241002-08</p> <p>INPUT</p> <table border="1"> <thead> <tr> <th>Product</th> <th>Pieces</th> <th>In wgt. (kg)</th> </tr> </thead> <tbody> <tr> <td>Oberschale Oberschale</td> <td>176</td> <td>440,5</td> </tr> </tbody> </table> <p>OUTPUT</p> <table border="1"> <thead> <tr> <th>Product</th> <th>Pieces</th> <th>Out wgt. (kg)</th> <th>Prod. yield</th> <th>Std. yield</th> <th>+/-</th> <th>Total time</th> <th>Kg/h</th> <th>Pcs/h</th> </tr> </thead> <tbody> <tr> <td>prma00030 Oberschale zug</td> <td>176</td> <td>351,9</td> <td>79,9%</td> <td>89,5%</td> <td>-9,6%</td> <td>00:36:02</td> <td>586,0</td> <td>293</td> </tr> </tbody> </table> <p>Report columns can be adjusted in the report configuration, which also contains three report-specific settings:</p> <ul style="list-style-type: none"> • <i>Adjust report content to page width</i> - Defines whether the report content should be adjusted to fit to the page width, default is "True". • <i>Page break after each employee</i> - Specifies whether only one employee should be displayed on each page, default is "False". • <i>Report page orientation</i> - Defines the orientation of the report page, default is "Landscape". 	Product	Pieces	In wgt. (kg)	Oberschale gev Oberschale gev	1	1,9	Product	Pieces	Out wgt. (kg)	Prod. yield	Std. yield	+/-	Total time	Kg/h	Pcs/h	prma00034 Oberschale Final	1	0,0	%	%	%	00:00:15	0,0	0	Product	Pieces	In wgt. (kg)	Oberschale Oberschale	120	297,9	Product	Pieces	Out wgt. (kg)	Prod. yield	Std. yield	+/-	Total time	Kg/h	Pcs/h	prma00030 Oberschale zug	120	270,4	90,8%	89,5%	1,3%	00:39:34	410,1	182	Product	Pieces	In wgt. (kg)	Oberschale Oberschale	176	440,5	Product	Pieces	Out wgt. (kg)	Prod. yield	Std. yield	+/-	Total time	Kg/h	Pcs/h	prma00030 Oberschale zug	176	351,9	79,9%	89,5%	-9,6%	00:36:02	586,0	293
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<p>Output by StreamLine</p>	<p>This report contains input and output products for selected StreamLines, grouped by Lot.</p> <p>Report columns can be adjusted in the report configuration, which also contains three report-specific settings:</p> <ul style="list-style-type: none"> • <i>Adjust report content to page width</i> - Defines whether the report content should be adjusted to fit to the page width, default is "True". • <i>Page break after each employee</i> - Specifies whether only one employee should be displayed on each page, default is "False". • <i>Report page orientation</i> - Defines the orientation of the report page, 																																																																								

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	default is "Landscape".
Inspection details	The Inspection details report has not been updated. For more information, see the <i>Innova QC User Manual</i> .

These reports are included in a new menu package file **SLTReports.xml**, which is available in the **Install\UIPackages\Deboning** folder.

The reports can also be installed using the **Deboning - StreamLine Trimming Quick Config** available in the Toolbox program.

Quick Config

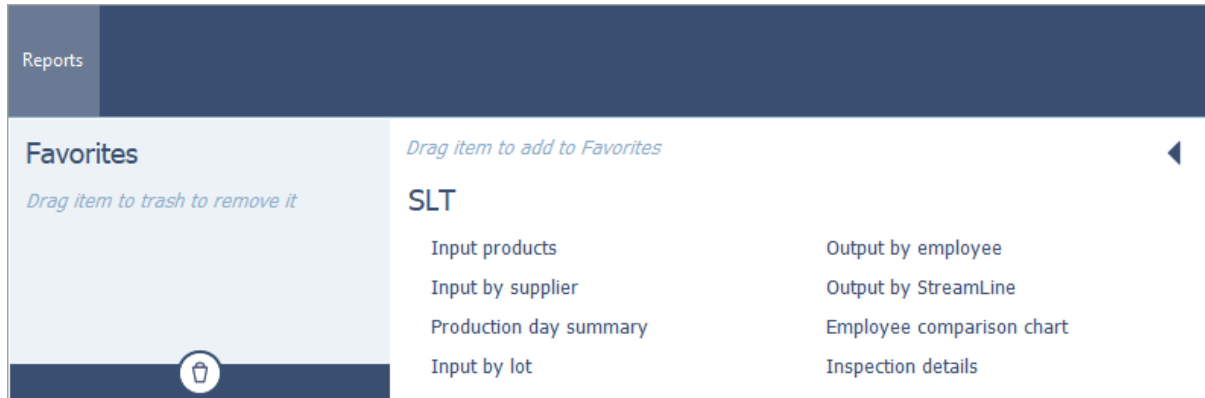
System:

The quick config tool manipulates the database to install and configure the selected system. It is recommended to take a backup of the database before running, as the process is not reversible. Do not run the quick config during production as the quick config might start/stop existing services.

Connected to running Innova system

System settings	Settings	Task groups and workstations
<p>System Name: <input type="text" value="Deboning System"/></p> <p><input type="checkbox"/> Pre-existing Deboning system</p> <p>Site: <input type="text" value="Iberconsa"/></p> <p>Section: <input type="text" value="Producción"/></p> <p><input checked="" type="checkbox"/> Import menu package <input checked="" type="checkbox"/> Create device router program <input checked="" type="checkbox"/> Create Time manager program <input checked="" type="checkbox"/> Restart system programs</p>	<p>Name prefix: <input type="text"/></p> <p>IP address: <input type="text"/></p> <p>Simulation <input type="checkbox"/> Include simulation</p> <p>Reports <input checked="" type="checkbox"/> Include reports menu package</p>	<p>Trimming Number of trimming stations: <input type="text" value="0"/></p> <p><input type="checkbox"/> Create trimming station operators</p> <p>Packing Number of packing stations: <input type="text" value="0"/></p> <p><input type="checkbox"/> Is batching <input type="checkbox"/> Create printer <input type="checkbox"/> Create batching terminal operator</p>

To add the reports to the **Reports** menu in Innova, select **Include SLT report package** before installing the system.



Bug fixes

The following bugs were fixed:

- **WebTerminal login issue via StationEmployeesLoginCE and EmployeeStatus grid**
Fixed an issue where logging in via Terminal triggered *ClientConnected*, which did not happen when logging in via the *EmployeeStatus* grid or IPC *StationEmployeesLoginCE*.
- **WSServer - Long press issue**
Fixed an issue where long press was not working in WSServer.

See Base

Grading

Module version: 3.2.1

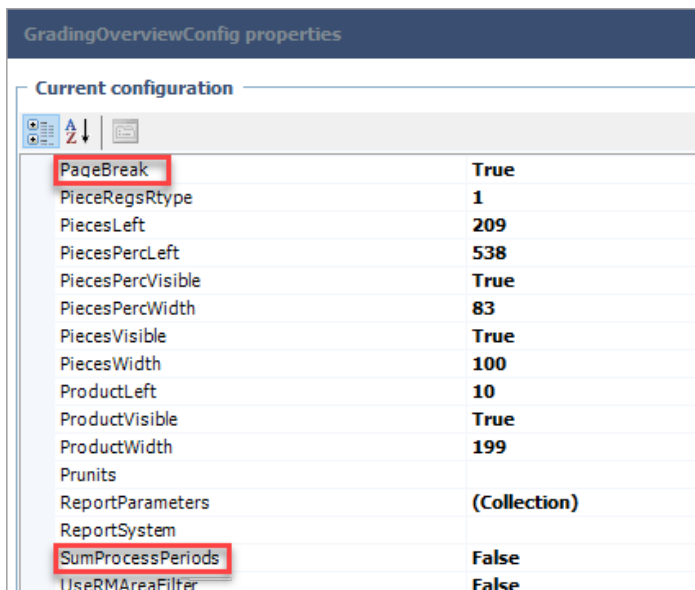
Changes in this release are from module version 3.1.2 to 3.2.1.

New features and improvements

The following new features and improvements to functionality were added:

Change Grading reports so Criteria can be set via configuration

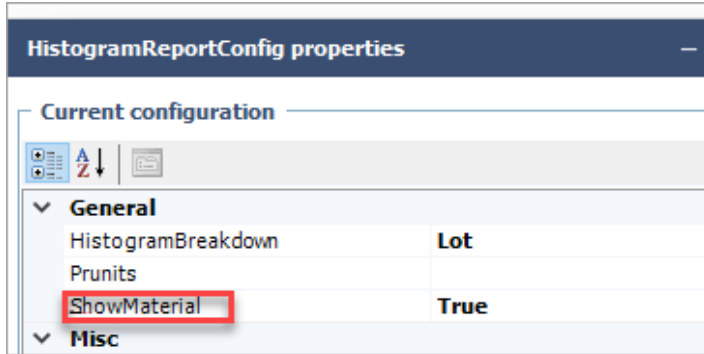
Configuration options were added to the **Grading overview** report to set default values for *PageBreak* and *SumProcessPeriods* criteria.



The screenshot shows a configuration window titled "GradingOverviewConfig properties". It contains a table of configuration options for the "Current configuration". Two options, "PageBreak" and "SumProcessPeriods", are highlighted with red boxes.

Property	Value
PageBreak	True
PieceRegsRtype	1
PiecesLeft	209
PiecesPercLeft	538
PiecesPercVisible	True
PiecesPercWidth	83
PiecesVisible	True
PiecesWidth	100
ProductLeft	10
ProductVisible	True
ProductWidth	199
Prunits	
ReportParameters	(Collection)
ReportSystem	
SumProcessPeriods	False
UseRMAreaFilter	False

In addition, configuration options were added to the **Histogram** report to set default values for *ShowMaterial* criteria.



Bug fixes

The following bugs were fixed:

- **Grading overview report empty in Graders view**
This was fixed.
- **Grading reports not displaying in Graders control form after V5 to V6 upgrade**
This was fixed.
- **6.1.2 - Numbers are unreadable on the Grading Dashboard after V6 upgrade**
The **Layout** segment of the **Grades** dashboard component has a new configuration option, *UseColorOnGridRows*. If set to "False", then grade rows will not inherit any colors from other components and will stay at default colors.

Layout	
Dock	None
> GridConfig	
> Location	248; 16
ReadOnlyGates	True
> Size	1050; 241
UseColorOnGridRows	False

IMPAQT

Module version: 3.2.3

Changes in this release are from module version 3.2.2 to 3.2.3.

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:

- **Plugins grid hanging up WinUI and throw exceptions when start/stop plugins.**
A bug was fixed where OEE Profile generation in IMPAQT considered every production data record as a new context period when it only should create a context period for lot changes, shift changes, etc. The result was that the IMPAQT performance degraded a lot and caused possible hangups of the OEE manager and plugins because these processes were extremely busy.
- **Primary dashboard in WebUI is showing overlapping text**
Fixed the losses KPIs in the dashboard. The space between the KPIs became smaller when there were more KPIs to display until the space between the KPIs was 0. A maximum of 10 KPIs now fit the top area. If more are configured, they will not be displayed.

OEE

Module version: 4.0.6

Changes in this release are from module version 4.0.5 to 4.0.6.

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:

- **IMPAQT - Event editor very slow**
The performance of the **Event editor** query and refresh time of the Event editor were improved with this bug fix.
- **IMPAQT/EM - Problems with selecting an event, after multiple changes in event editor**
The **OEE Editor** was updated so that the grid layout is only persisted when the entity is changed (not on model refresh).
This means that users no longer experience an unexpected order in the Event editor (for example, alphabetically sorted Stop reasons) after changing a single event.
- **IMPAQT/EM - Selecting bar in event editor does not work**
Fixed an issue when the *TimeLine* control was zoomed more than a 16-bit integer in width (32767 pixel width), causing mouse click events to not trigger. A hard limit was added for how much zooming is possible. If additional zooming is needed, the selected time span should be shortened.
- **IMPAQT - Comments in OEE details report are missing**
Fixed an issue where comments in the **OEE details** report were missing. Also note that *BrealOnLot* can't be checked when *ShowComments* is checked. This is consistent with the behavior from Innova V5.
- **IMPAQT/EM - Innova freezes when multiple events are changed in event editor**
Fixed an performance issue with **Event editor** that happened when editing multiple events at the same time using the **Edit multiple events** option.
- **IMPAQT - Events in Event editor are not marked as "modified" in certain cases**
When an event start time is modified, or event is created or deleted by a user in the

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Event Editor, all events around it that have their duration affected by the change are now also marked as "modified".

- **OEE Failure Histogram Report and OEE Losses report do not work**

Fixed an issue where the SQL query in reports contained invalid table references.

- **OEE - Adding events in EventEditor always takes DateTime.Now**

Fixed an issue where a new event was always created using *DateTime.Now*.

- **OEE - Making changes in EventEditor causes the scroll position to jump around**

Fixed an issue where the scroll position of the **Events** view was changed after changes were saved.

- **OEE - Oeelo.exe does not start**

Fixed an issue where Oeelo.exe was unable to start up due to not finding correct assemblies.

OptiPack

Module version: 3.2.3

Changes in this release are from module version 3.1.0 to 3.2.3.

New features and improvements

The following new features and improvements to functionality were added:

Packscales now supports receiving barcodes from network readers

To use a RFU RfidReader with packscales the following setup is necessary:

1. Install the latest version of OptiPack and the latest version of the RfidDrivers module and run base operations or the Toolbox.
2. Connect the reader and create a device with the following properties:

Property	Description
Interface type	TCP/IP Marel
Device type	Third-party barcode reader plugin
Router	Select the router
Device driver assembly	Marel.Mp6.Solutions.RfidDrivers
Device driver type	Marel.Mp6.Solutions.RfidDrivers.Sick.RFU6xxDriver

3. Open the **Setup** view for the Packing system you intend to use and select the system and station.
4. Specify the device you created as a **Reader** (You might need to add that column to the **Stations** detail view).
5. Restart the *packingservices* and *packscales* system programs.
6. Open the XML configuration for the station. Search for the *RfidTagField* settings and update the following properties:

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- Display = True
 - DisplayLabel = True
7. Check the *RfidTagRequired* property. If recording should not be allowed unless a tag has been read, then set it to **True**. Save the settings.
 8. Restart the PackScales system connected to the Packing system.
 9. Open the M2200/M2400 station and log in if necessary. The **Rfid tag** field should be displayed on the screen. Its position can be adjusted on the screen if necessary using the configuration settings mentioned above (*Line/Column*).
 10. The reader should come online, indicated by a blue light turned on its corners.
 11. Try to read a tag. The tag string should be displayed next to the field label.
 12. If the tag is not displayed, try to trace the device router. If a tag message is not displayed, the device is not connected correctly. If a message that contains the tag is displayed, try to trace the Packscales sub-switches under *ScaleManager*.
 13. The tag is placed in the active operation data, in the **IdTag** field and **UnitExternalCode** fields. It should be displayed on Item and Pack records as "ExtCode".

Add support for including tare device info and alibi in tare download on inputScan

You can now include the alibi device IP address and alibi value in the tare download when a pack is scanned into the system.

To do this, set the new configuration switch *DownloadExtraTareInfo* in the **Pack Queue** XML to "True" (default is "False").

Bug fixes

The following bugs were fixed:

- **MCheck2 bug**
Fixed an issue related to saving *GateParam*.
- **Packscales.exe - M2400 - SizeAndQualityMode functionality does not work on M2400 device**
When a packing station was started with *SizeAndQualityMode* enabled, it encountered an error loop that prevented the operator from using the station. This was fixed.

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- **A542 Checkweigher fix**

Previously, checkweighing programs could not be started on the A542 Checkweigher. This was fixed.

- **AlibiText and Checksum missing from scalerecord**

An issue was fixed where *AlibiText* and *Checksum* were missing from the *CreateOptipackScaleRecord* unit operation.

PDC

Module version: 3.1.4

Changes in this release are from module version 3.1.3 to 3.1.4.

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:

- **Optimize archiving of PDC tables**
Archiving of histograms data resulted in an error when SQL transaction log growth size was too small for the dataset. This is fixed and larger datasets can now be archived (aggregated).

PDS

Module version: 4.0.2

Changes in this release are from module version 4.0.1 to 4.0.2.

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:

- **Installation changes**
Several issues were fixed relating mainly to script migration execution during installation.

Process

Module version: 5.4.2

Changes in this release are from module version 5.4.1 to 5.4.2.

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:

- **Report Export Manager failing to start**
Fixed an issue where Report Export Manager failed to start due to an error in *Microsoft.Extensions.DependencyInjection*.

QC

Module version: 2.1.1

Changes in this release are from module version 2.1.0 to 2.1.1.

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:

- **Result report not showing on station**
Fixed the handling of realtime criteria for reports in the M6000 result panel and in *QCDataSourceItem*. In addition, the way that *SchedulingIsAvailable* is implemented in *InspectionManager* class was updated.

Recipe

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:

- **Bug in scanning steps**
Fixed an issue related to lot and material scanning in scanning steps.

Trimming

Module version: 4.2.0

Changes in this release are from module version 4.1.1 to 4.2.0.

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:

- **WebTerminal login issue via StationEmployeesLoginCE and EmployeeStatus grid**
Fixed an issue where logging in via Terminal triggered *ClientConnected*, which did not happen when logging in via the *EmployeeStatus* grid or IPC *StationEmployeesLoginCE*.
- **WSServer - Long press issue**
Fixed an issue where long press was not working in WSServer.

See Base

Weighbridge

Module version: 3.1.0

Changes in this release are from module version 3.0.0 to 3.1.0.

New features and improvements

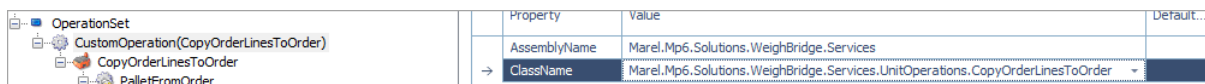
The following new features and improvements to functionality were added:

Split orders

It's now possible to split an ongoing orderline, assign all scanned cartons to a new order or orderline with a linked shipment, or clear a shipment from an ongoing order or orderline.

To add the **Split order** function to **Orders** or **Orderlines** views

1. Create a new unit operation that calls the custom unit operation in class `Marel.Mp6.Solutions.WeighBridge.Services.UnitOperations.CopyOrderLinesToOrder`.



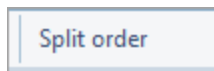
Property	Value	Default...
AssemblyName	Marel.Mp6.Solutions.WeighBridge.Services	
ClassName	Marel.Mp6.Solutions.WeighBridge.Services.UnitOperations.CopyOrderLinesToOrder	

2. Add the view extension `CopyOrderlinesFunction` to the **Orders** (`Marel.Mp6.Process.UI.Windows.Orders.OrdersAll`) or **Orderlines** (`Marel.Mp6.Process.UI.Windows.Orders.OrderLines`) view.
3. Add following configuration, where `SplitUOOperationId` is the ID of the unit operation you created in step 1:

```
<DataRoot>
  <Marel.Mp6.Solu-
tion-
s.WeighBridge.UI.Win-
dows.ViewExtensions.SplitOrderLinesConfiguration>
  <SplitUOOperationId>220</SplitUOOperationId>
```

```
<MergeU0OperationId>XXX</MergeU0OperationId>
</Marel.Mp6.Solu-
tion-
s.WeighBridge.UI.Win-
dows.ViewExtensions.SplitOrderLinesConfiguration>
</DataRoot>
```

- There should now be a button that executes the **Split order** function:

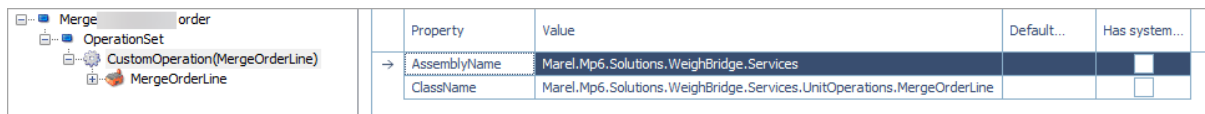


Merge orders

It's also possible to merge orders by undoing the action from a **Split orders** unit operation.

To add the **Merge order** function to **Orders** or **Orderlines** views

- Create a new unit operation that calls the custom unit operation in class `Marel.Mp6.Solutions.WeighBridge.Services.UnitOperations.MergeOrderLine`.

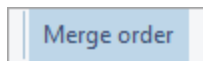


- Add the view extension `CopyOrderlinesFunction` to the **Orders** (`Marel.Mp6.Process.UI.Windows.Orders.OrdersAll`) or **Orderlines** (`Marel.Mp6.Process.UI.Windows.Orders.OrderLines`) view.
- Add the following configuration, where `MergeU0OperationId` is the ID of the unit operation you created in step 1:

```
<DataRoot>
  <Marel.Mp6.Solu-
tion-
s.WeighBridge.UI.Win-
dows.ViewExtensions.SplitOrderLinesConfiguration>
```

```
<SplitU00operationId>XXX</SplitU00operationId>  
<MergeU00operationId>222</MergeU00operationId>  
</Marel.Mp6.Solu-  
tion-  
s.WeighBridge.UI.Win-  
dows.ViewExtensions.SplitOrderLinesConfiguration>  
</DataRoot>
```

4. There should now be a button that executes the Merge order function:



Bug fixes

The following bugs were fixed:

- **Process bug report**

Fixed a bug where the **Merge order** button was added unexpectedly when the order view was changed.