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Upgrading from older versions

When upgrading, please also refer to the following documents for changes since your current version:

If your current version is	What's New	Release Notes
Windowmaker 2021 (v9.x)	https://windowmaker.com/en/pdf/windowmaker-2021-r9.x-release-document.pdf	
Windowmaker 2020 (v8.x)	https://windowmaker.com/en/pdf/windowmaker-2020-r8.x-release-document.pdf	
Windowmaker 2018 (v7.x)	www.windowmaker.com/EN/PDF/Windowmaker%202018%20(v7.x)%20What's%20New.pdf	www.windowmaker.com/EN/PDF/Windowmaker%202018%20(v7.x)%20Release%20Notes.pdf
Windowmaker 2012 (v6.x)	www.windowmaker.com/EN/PDF/Windowmaker%202012%20(v6.x)%20What's%20New.pdf	www.windowmaker.com/EN/PDF/Windowmaker%202012%20(v6.x)%20Release%20Notes.pdf

You may also refer:

Windowmaker Technical Requirements	https://windowmaker.com/en/pdf/windowmaker-technical-requirements.pdf
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Windowmaker 2022 R1.2

General Enhancements

SQL Server

Windowmaker no longer supports SQL Server versions 2008, 2008 R2, 2012 & 2014.

Please refer to 'How to upgrade SQL Server to the latest version' in the Windowmaker Help file.

Refer to the [Technical Requirements](#) for details.

Operating Systems

Windowmaker no longer supports operating systems Windows 8.1, Windows Server versions 2008 R2, 2012 & 2012 R2.

Refer to the [Technical Requirements](#) for details.

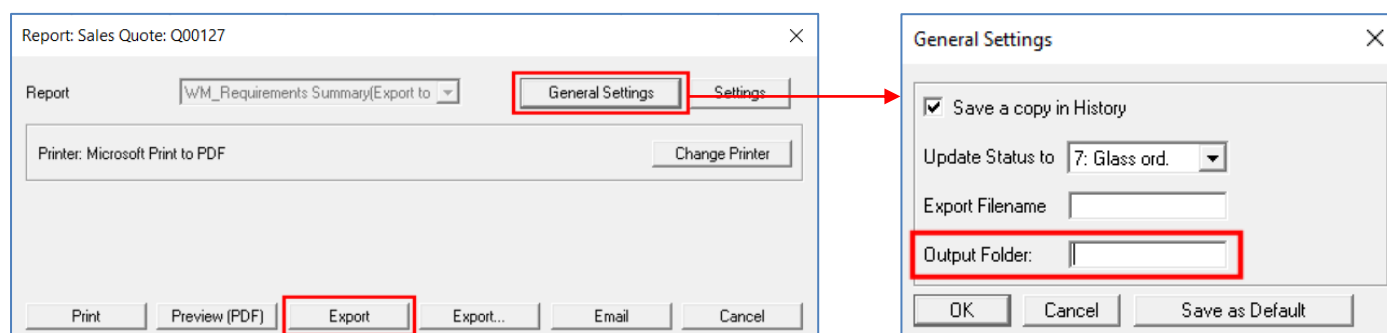
Reports

The program now allows Salespersons to generate Quote/Order reports, after the 'Severe Warnings' are resolved by an authorised person. This helps them not to depend on authorised persons to generate reports. Earlier, if the user did not have 'Override Severe Warnings' rights, the reports were not available even after the warnings were resolved.

It is now possible to define the Output Folder for reports which 'Export' to a specified format. This will override the folder name specified in the Crystal Report formula 'rffWMOutputDirectory', if any. This gives flexibility to change the output folder name from Windowmaker. Earlier, this required respective Crystal Reports to be modified every time the folder name needed to be changed.

Windowmaker Standard Reports listed below have been updated, so that you can specify the output folder in General Settings.

- 1) Requirements Summary (Export to Excel)
- 2) Link to Windowmaker Measure
- 3) Sales Analysis (Export to Excel)



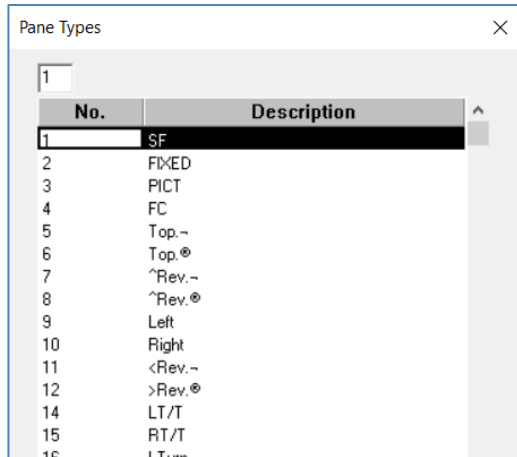
Cost Matrix

Windowmaker now creates the default Cost Matrix indexed on the last Option (excluding Bar Length option) associated with the stock number. This improves the efficiency of data set-up. Earlier the program used to index on width and height by default.

Pane Types

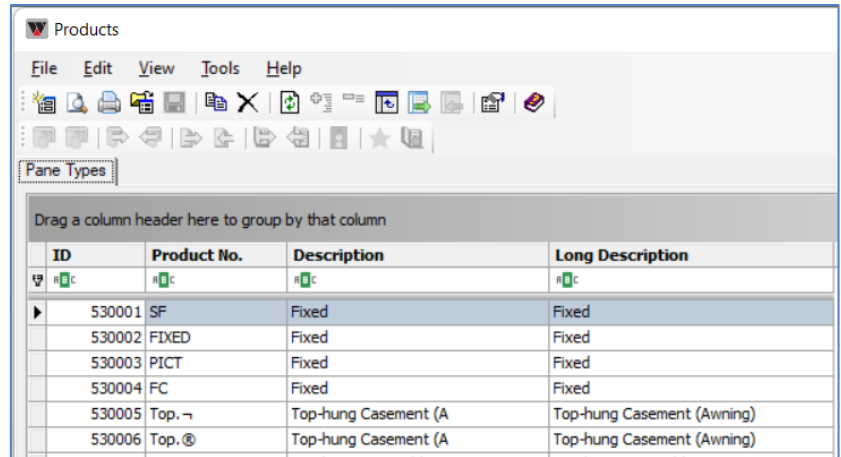
Pane Type details are now stored in the WMProduct table of the Windowmaker database. This helps improve the overall flexibility and efficiency of the program as well as that of the data maintenance process.

Before Upgrade



No.	Description
1	SF
2	FIXED
3	PICT
4	FC
5	Top.~
6	Top.®
7	^Rev.~
8	^Rev.®
9	Left
10	Right
11	<Rev.~
12	>Rev.®
14	LT/T
15	RT/T
16	LTure

After Upgrade



ID	Product No.	Description	Long Description
530001	SF	Fixed	Fixed
530002	FIXED	Fixed	Fixed
530003	PICT	Fixed	Fixed
530004	FC	Fixed	Fixed
530005	Top.~	Top-hung Casement (A	Top-hung Casement (Awning)
530006	Top.®	Top-hung Casement (A	Top-hung Casement (Awning)

Parts - Capacity

Windowmaker now stores up to 32,000 Parts in each Module except in the Installation Module.

Database Schema Changes

The Windowmaker database schema has been enhanced to support multi-tenancy for fabricators i.e. storing data of multiple fabricators in a single database. This is for supporting Windowmaker Cloud solutions.

Changes specific to each table are as listed below:

Table	Column	Change
All tables	TenantID	Added
	OrganisationID	Added

Changes specific to each view are as listed below:

View	Column	Change
WMSalesLine	Gross	Added. Denotes the Gross price of a Sales Line including Pricing Extras.
WMUserArea	UserID	Added
	OrganisationID	Added
	TenantID	Added
	SUserID	Added
	AreaID	Added
	Description	Modified from nvarchar(67) to nvarchar(35)

Enhancements to Options

Link to Working Centres

Windowmaker now links to Ozgenc Makina Turbocut 400/500 Working Centres.

Issues Fixed

Windowmaker 2022 R1.2 SP1

Purchasing - Glass Purchase Order - 23961

Crash while generating Purchase Order XML for Sales Lines where Grid margins are applicable is now fixed.

Sales - Order Entry - Dealer Client - 24113

Filtering out Systems for Dealer users using Customer Special Terms was not working. This is now corrected.

Administration - Login - 24102

Issue with error displayed to any existing non-senior manager user trying to login after upgrade is resolved.

Windowmaker 2022 R1.2

Sales - Order Entry - line Configuration - Grids - 23002

Problem with Hubs disappearing on reopening a Sales line is now resolved.

Sales - Order Entry - line Configuration - Stock Sales Line - 22414

Windowmaker crashed on creating a +Stock sales line when graphics were associated with the Stock record, and 'FE' option was present in the User license. This is now rectified.

Sales - Order Entry - 17705

Saving a Quote/Order without adding Sales lines did not copy the Document Header/Footer setup on the Customer into the Quote/Order. This is now corrected.

Sales - Order Entry - Costing, Pricing - 22710

When "Calculate Products with cost 'Not Specified' as Error" is set in the Application Settings, and part cost is fetched from a Cost matrix as 'Not specified', program showed a Warning instead of an error. This is now corrected, and an error is shown during Order Entry.

Sales - Order Entry- Reports - 21989

Problem with +ITM type not working is now resolved.

Sales - Order Entry - Convert Quote to Order - 22262

The problem with stored B.O.M of the Quote not getting copied to the Order when a Quote was converted into an Order is now fixed. This happened when user had 'FE' option in their licence.

Sales - Order Entry - Customers - 22286

The problem with Incorrect Completed Orders Count on a Customer record is now fixed.

Sales - Order Entry - Link to QuickBooks - 23310

Issues related to WM → QuickBooks syncing due to incompatibility of field lengths between the two software is now resolved.

Windowmaker 2022 R1.1

General Enhancements

SQL Server 2012 & 2014

Microsoft has stopped support to SQL Server 2012 & 2014. Windowmaker products will stop supporting these in the coming release. Therefore, we recommend upgrading to the latest SQL version at the earliest.

Refer [Technical Requirements](#) for more details.

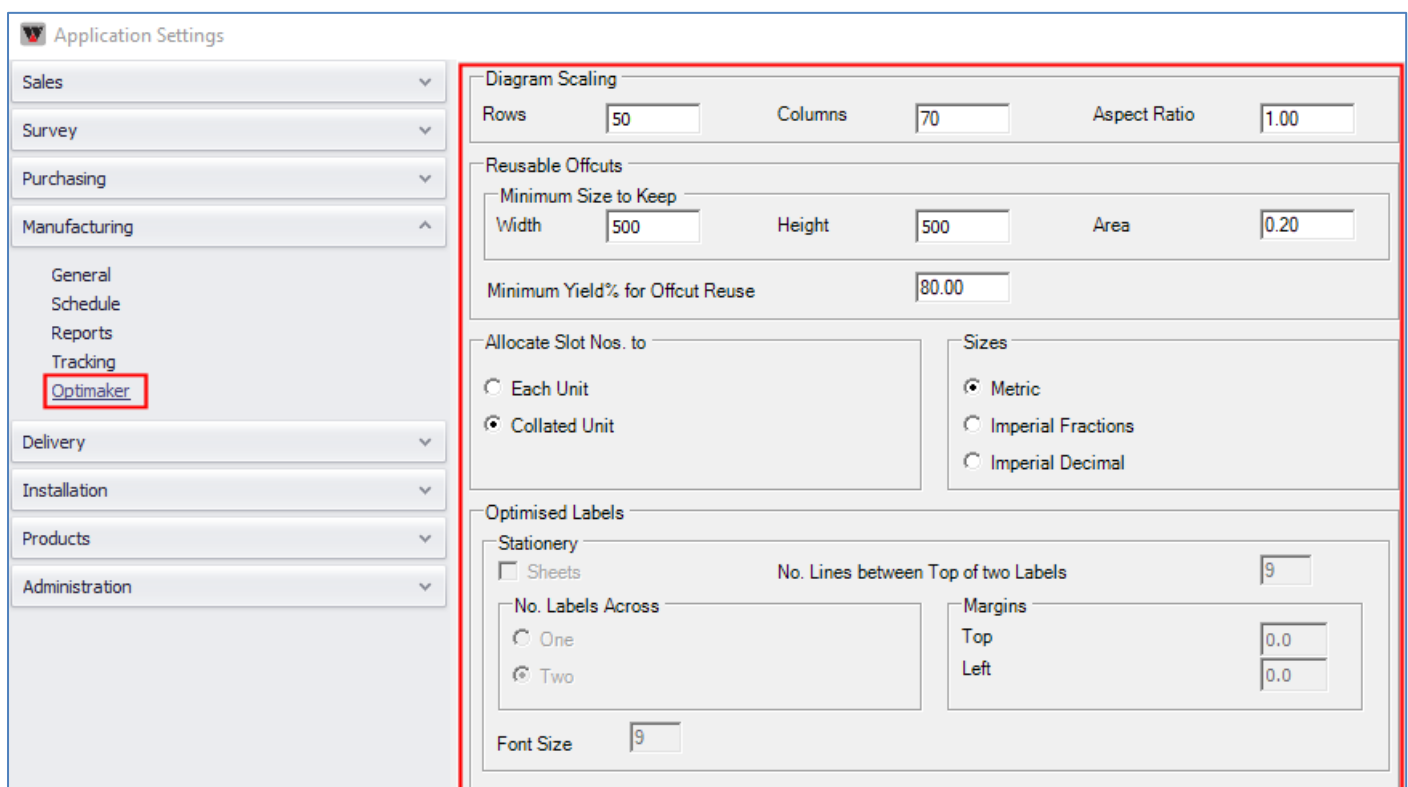
FENSA Registration - Preferences Settings

Preferences → Export: FENSA Registration Settings are now obsolete, and are removed.

Enhancements to Options

Optimaker - Settings

Preferences → Optimaker settings are now moved to Application Settings → Manufacturing: Optimaker.



Application Settings

Sales
Survey
Purchasing
Manufacturing
General
Schedule
Reports
Tracking
Optimaker
Delivery
Installation
Products
Administration

Diagram Scaling
Rows: 50 Columns: 70 Aspect Ratio: 1.00

Reusable Offcuts
Minimum Size to Keep
Width: 500 Height: 500 Area: 0.20
Minimum Yield% for Offcut Reuse: 80.00

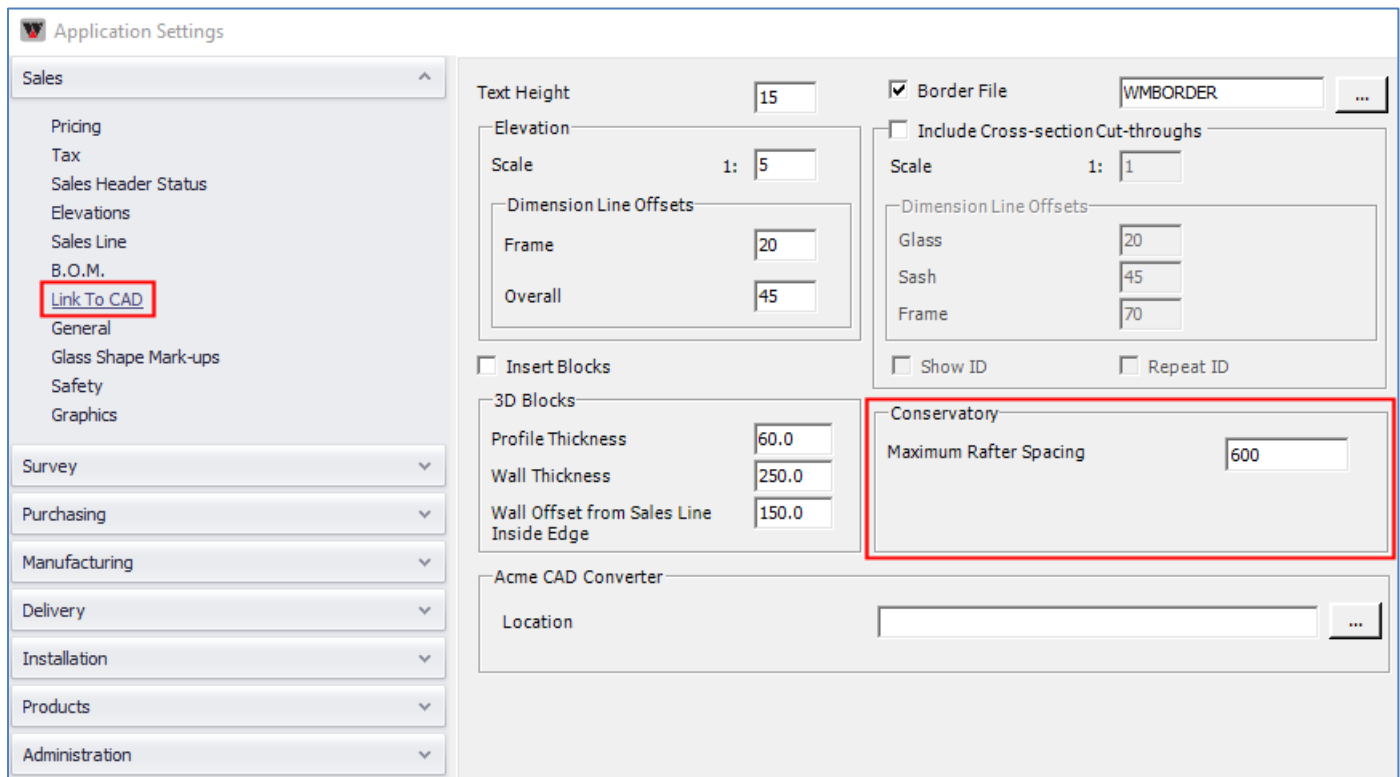
Allocate Slot Nos. to
☐ Each Unit
☒ Collated Unit

Sizes
☒ Metric
☐ Imperial Fractions
☐ Imperial Decimal

Optimised Labels
Stationery
☐ Sheets
No. Lines between Top of two Labels: 9
No. Labels Across:
☐ One
☒ Two
Font Size: 9
Margins
Top: 0.0
Left: 0.0

Conservatory - Settings

Preferences → Export: Conservatory setting is now moved to Application Settings → Sales: Link to CAD.



The screenshot shows the 'Application Settings' dialog box with the 'Sales' category selected. The 'Link To CAD' option is highlighted with a red box. The 'Conservatory' section is also highlighted with a red box, showing the 'Maximum Rafter Spacing' set to 600.

Category	Setting	Value
Sales	Text Height	15
	Elevation	
	Scale	1: 5
	Dimension Line Offsets	
	Frame	20
	Overall	45
	<input type="checkbox"/> Insert Blocks	
	3D Blocks	
	Profile Thickness	60.0
	Wall Thickness	250.0
Wall Offset from Sales Line Inside Edge	150.0	
<input checked="" type="checkbox"/> Border File	WMBORDER	
<input type="checkbox"/> Include Cross-section Cut-throughs		
Scale	1: 1	
Dimension Line Offsets		
Glass	20	
Sash	45	
Frame	70	
<input type="checkbox"/> Show ID		
<input type="checkbox"/> Repeat ID		
Conservatory		
Maximum Rafter Spacing	600	
Acme CAD Converter		
Location		

Issues Fixed

Sales – Order Entry – Line Configuration – Grids 21334

The problem with spokes not getting calculated correctly is now fixed.

Manufacturing – Reports- Grid Cutting List - 19208

Sizes in Grid Cutting List report were blank when Sizes other than <Default> are selected. This is now fixed.

Windowmaker 2022 R1

General Enhancements

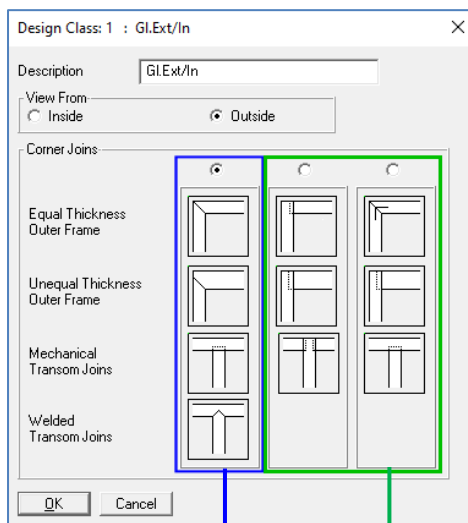
Designs

The program now allows to store up to 3000 designs. Earlier this was limited to 2000.

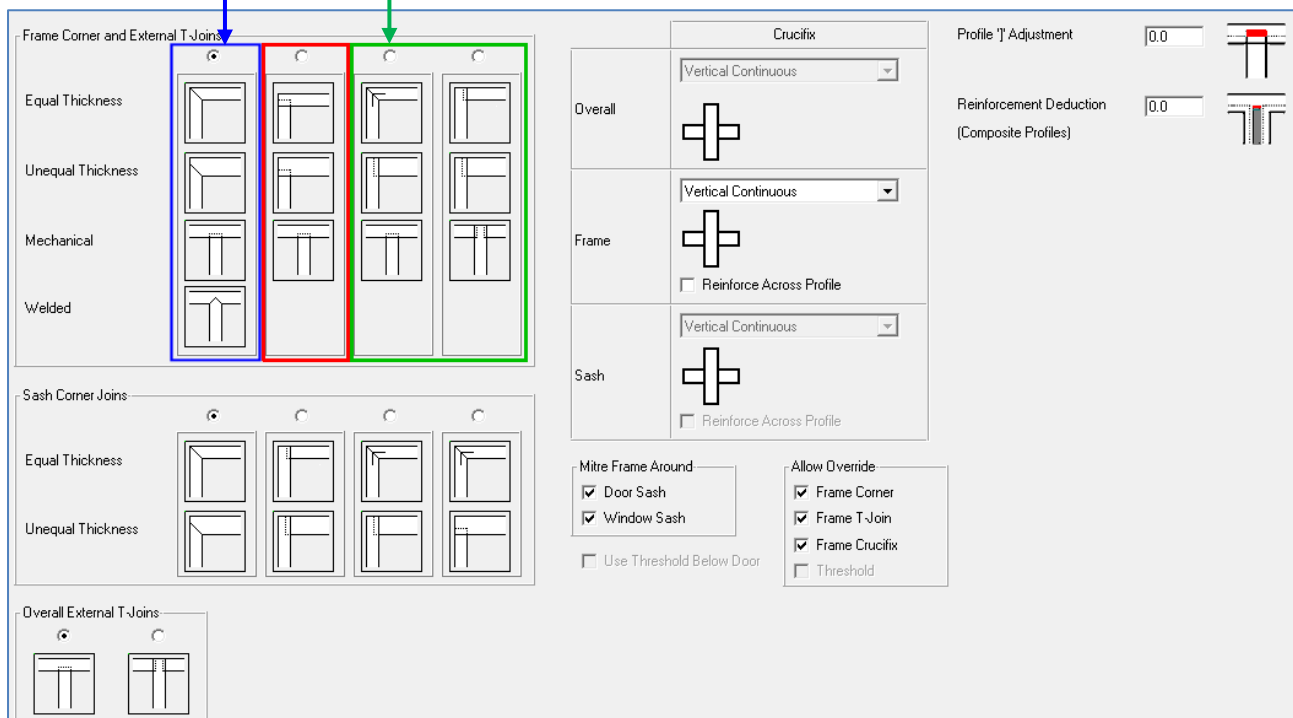
Auto Frame Joins

Design Class → Corner Joins settings are now moved to System Joins page. This makes join configuration easier as all related settings are now in one place.

Before Upgrade



After Upgrade



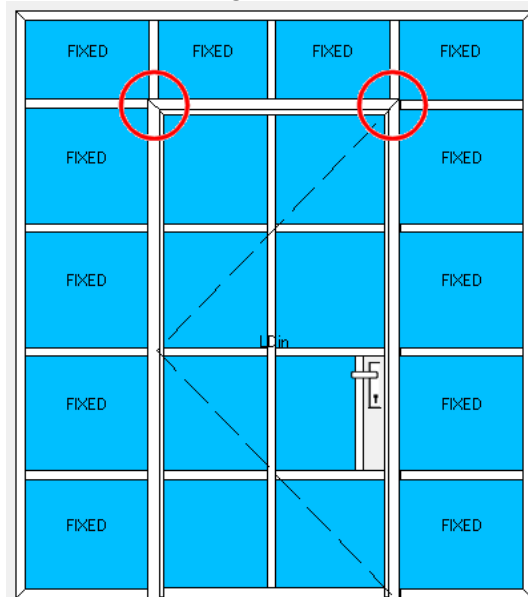
A new set of choices is now available as highlighted in red above. This is especially useful for wood systems. These settings are only applied when the rules have 'End Types' Welded/Mechanical Auto. The Frame joins around Sashes can now default to Mitred joins if System → Joins: 'Mitre Frame Around' settings are selected.

Note: Only applicable for **Steel** systems

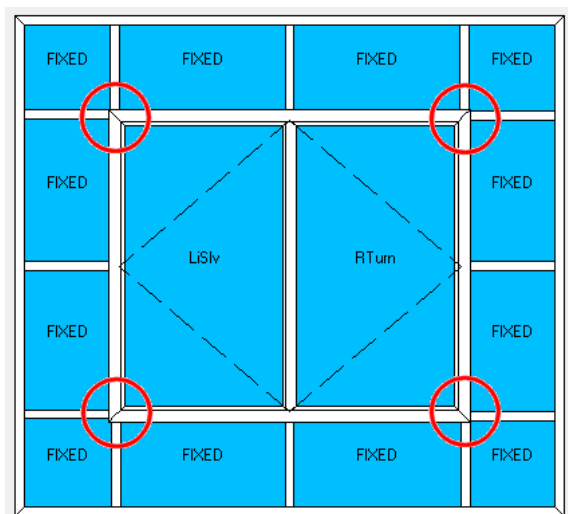
Mitre Frame Around

- ☒ Door Sash
- ☒ Window Sash

Door with Top Light



Window within Partition



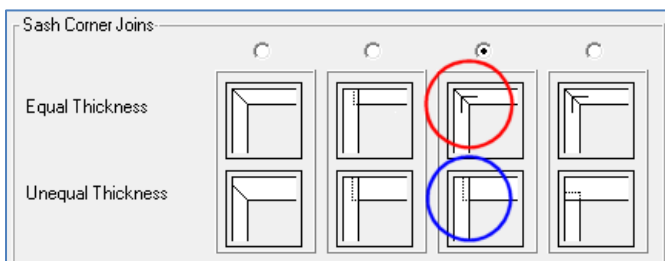
Auto Sash Corner Joins

Windowmaker now allows defining default Sash Corner Joins. These settings are only applied when the rules have 'End Types' Welded/Mechanical Auto. E.g. joins for designs with slim slider interlocks can be achieved with the highlighted setting.

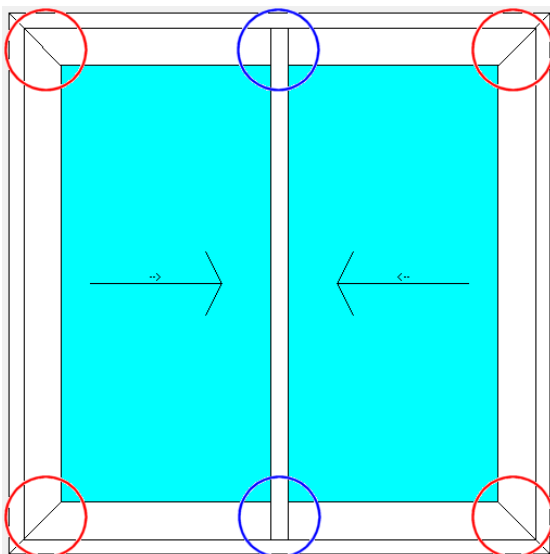
Sash Corner Joins

Equal Thickness

Unequal Thickness



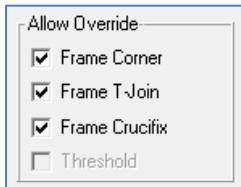
A diagram showing the Sash Corner Joins settings. There are four options for Equal Thickness and four options for Unequal Thickness. The third option in the Unequal Thickness row is highlighted with a red circle.



Overriding Frame Joins

System → Joins: 'Allow Overriding Joins at Order Entry' is now split into Frame Corner, Frame T-Join and Frame Crucifix. When selected, the program allows to override the respective joins during order entry. This gives greater flexibility to achieve the desired joins in designs.

Note: Only applicable for **Steel** and **Aluminium** systems

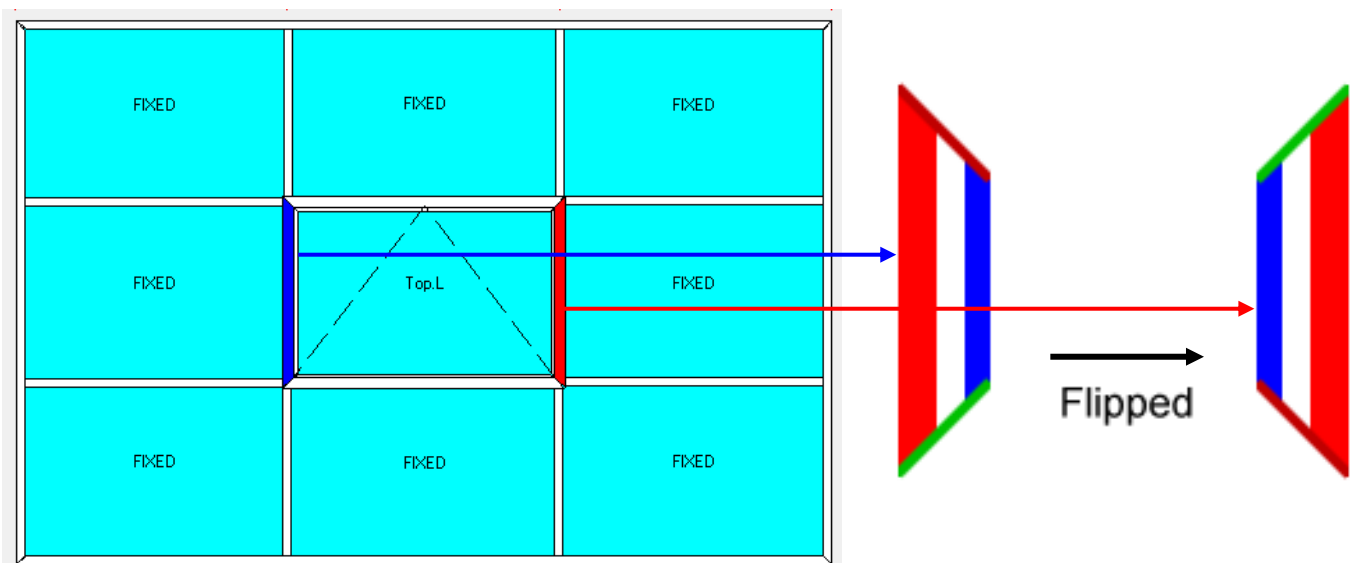
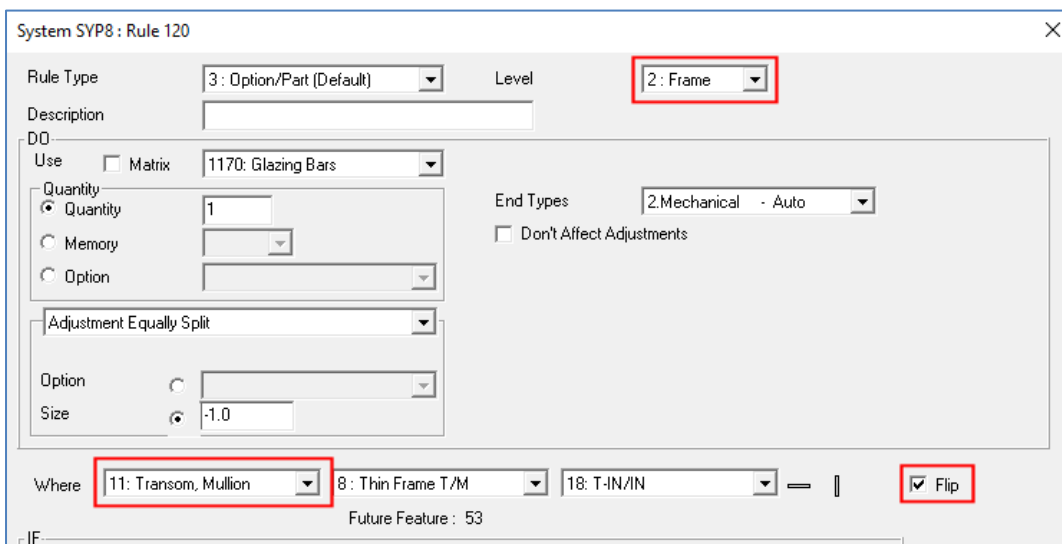


Asymmetric Frame Transom/Mullion

Windowmaker now handles the following more efficiently and correctly:

- Asymmetric Frame Transom/Mullion
- Profiles with a different inside and outside finish

For this, write Rules with 'Flip' selected for transom/mullion at the required positions.



Frame Mullion without Flip



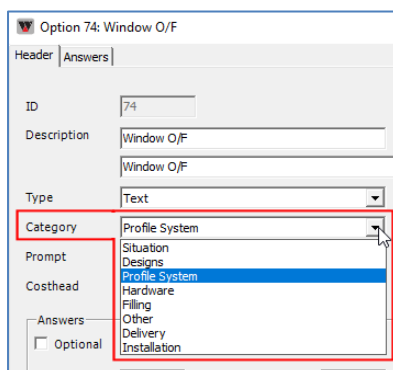
Frame Mullion Flipped



Options Category

The program now allows to define a Category for Options.

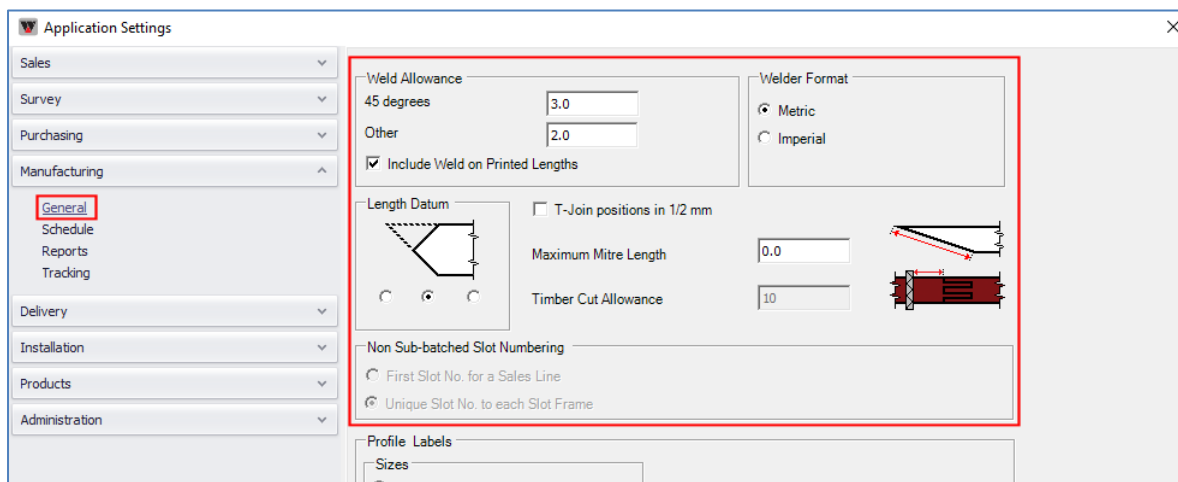
Note: This is for future developments

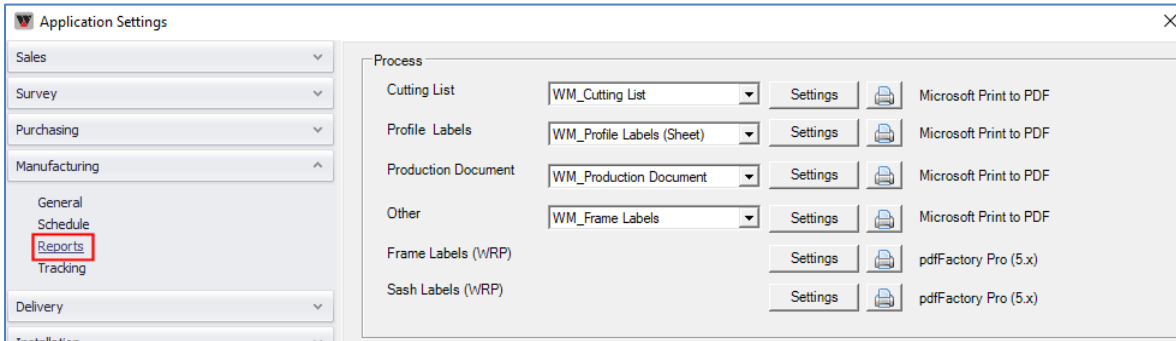


Application Settings – Manufacturing

Preferences → Production: Weld Allowance and related settings are now moved to Application Settings → Manufacturing: General.

'Frame Production' is now renamed 'Reports'.





Database Schema Changes

Below Views have been added to the Windowmaker database:

- dbo.BAT-WM_GTracking(623)_QualityCheckFailure(806)
- dbo.WMUserArea

Below View has been modified in the Windowmaker database:

- dbo.BAT-WM_NBottleneck Consumption(376)

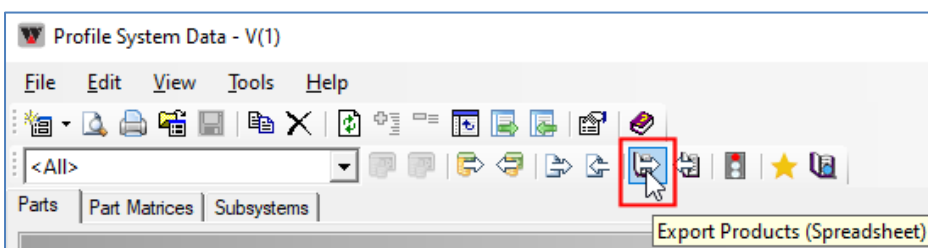
Enhancements to Options

Advanced Data Management Tools

Export/Import Products (.CSV) is now renamed as Export/Import Products (Spreadsheet).

- All the selected Product Types are exported to a single file - WMProducts.XLSX
- Each Product Type is exported to a separate page
- All Part Filter criteria Options and Answers include Long Descriptions
- Parts can now be made Inactive through the spreadsheet

Working on a single file makes data updates and maintenance much easier and more efficient. Option and Answer descriptions are especially helpful to map the Options used as criteria on Composite Profiles and Unit Parts.



Catalog H	Catalog	Product	Product	Inactive	Is Compos	Product N	Description	Long Description	Tag	Costhead	Costi
4ad72e38-	Profile System Data	101	6	0	FALSE	A65PF1*#	65mm Cm	PVC-U PROFILE A65PF1		1	
4ad72e38-	Profile System Data	102	6	0	FALSE	S65PF2*#	118mm 3T	PVC-U PROFILE S65PF2		1	
4ad72e38-	Profile System Data	103	6	0	FALSE	C45PF1*#	45mm Wir	PVC-U PROFILE C45PF1		1	
4ad72e38-	Profile System Data	104	6	0	FALSE	C56PF2*#	56mm Doc	PVC-U PROFILE C56PF2		1	
4ad72e38-	Profile System Data	105	6	0	FALSE	W65PF1*#	112mm W	PVC-U PROFILE W65PF1		1	

Bar Optimisation

Windowmaker now also considers cost of head position change during optimisation.

It can be defined on the Optimisation tab of the Saw Settings. This will be considered along with the other costs for optimisation. When the cost of the Head Position Change is comparatively high, pieces of the same size are grouped together.

Costs	
2 Single Bars vs. 1 Pair	0.00
Head Angle Change	0.00
Head Position Change	10.0
Standard vs. Variable Bar Length Trigger	0.00
Bar Loading	0.00
Offcut Removal	0.00

Note: Values used are just for illustration purposes

Without Head Position Change Cost

Inward Outer Frame			P-424-659W		
J250135	/0005	10	4	35.2500	\\
J250135	/0005	10	2	47.2500	\\
Waste			0.3438		
J250135	/0005	10	4	35.2500	\\
J250135	/0005	10	2	47.2500	\\
Waste			0.3438		
J250135	/0005	10	3	47.2500	\\
J250135	/0005	10	1	47.2500	\\
Offcut			47.2344		
J250135	/0005	10	1	35.2500	\\
J250135	/0005	10	1	35.2500	\\
J250135	/0005	10	2	47.2500	\\
Offcut			71.2188		
Total			20	825.0000	

With Head Position Change Cost

Inward Outer Frame			P-424-659W		
J250135	/0005	10	4	47.2500	\\
Offcut			47.2344		
J250135	/0005	10	3	47.2500	\\
J250135	/0005	10	1	47.2500	\\
Offcut			47.2344		
J250135	/0005	10	2	47.2500	\\
Offcut			141.7188		
J250135	/0005	10	5	35.2500	\\
Offcut			59.9531		
J250135	/0005	10	5	35.2500	\\
Offcut			59.9531		
Total			20	825.0000	

Link to Welder

Windowmaker can now link to Ferro 6-head welder.

Issues Fixed

Windowmaker 2022 R1 SP1

Manufacturing – Optimisation - 21333

Optimisation results for parts with zero cost was incorrect. This is now rectified.

Windowmaker 2022 R1

Sales – Order Entry – Line Configuration - 16628

The problem with the vertical scroll bar not being visible on the 'Lines' page of the Sales Line notebook when more than 100 sales lines are present, is now resolved.

Sales – Order Entry - 19494

Moving Quote from 'On Stop' to 'Quote Lost' status moved quote in 'Sales Quote - Live' view instead of 'Sales Quote - Complete' View. This is now corrected.

Reports – 20962

The problem with Reports 'Preview' not redirecting the report output to the 'Microsoft Print To PDF' printer even if installed is now resolved.

Sales Client - 18753

The problem with the Express Sales Client being unable to create a database using the Sales Data sent by the fabricator is now resolved.

Products- Panels – 20977

The problem with the change of Panel sizes after upgrade is now fixed.

Windowmaker 2022

General Enhancements

Windows 7 Operating Systems no longer supported

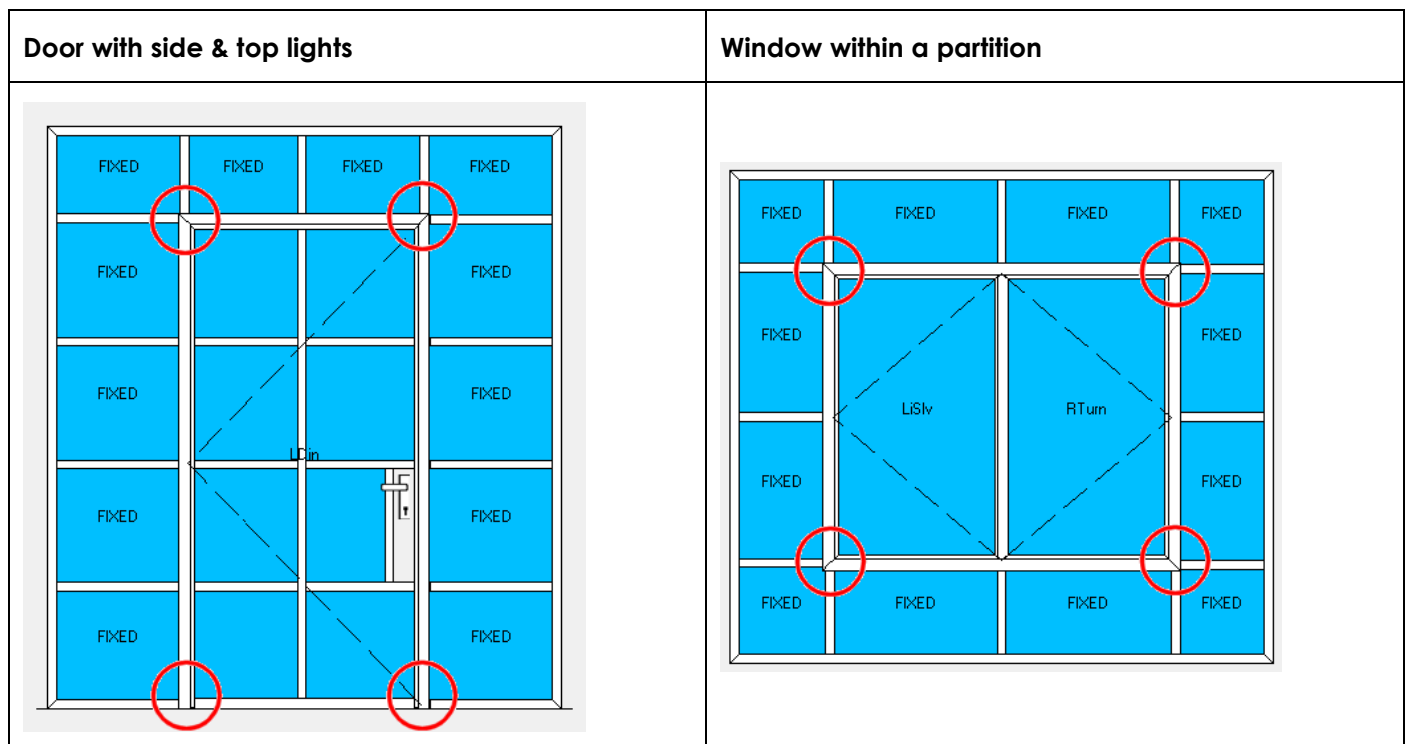
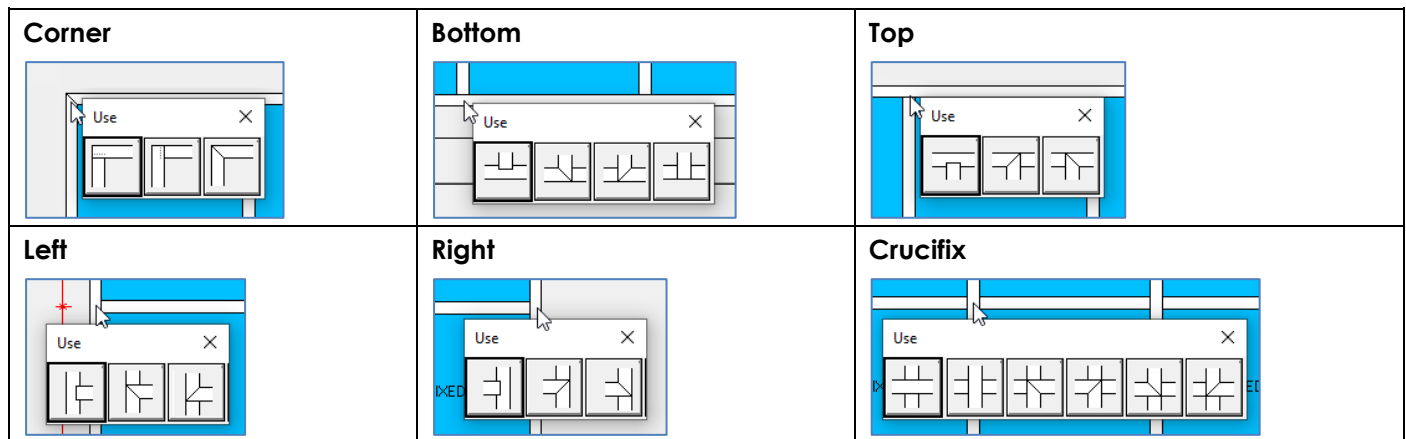
Windowmaker no longer supports Windows 7/Windows 7 SP1 operating systems.

Windowmaker Login Password

Windowmaker passwords can now be up to 25 characters. This is to allow for stricter password policies for SQL Server Logins.

Frame Joins – Steel

The program now allows to override the default Frame and Transom/Mullion join types for steel systems, during order entry. For this, 'Allow Overriding Joins at Order Entry' should be selected on the System → Joins tab.

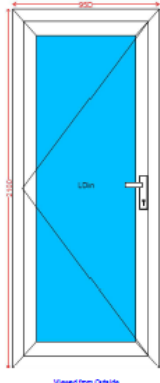


Remakes, Commercial Contracts – Sales Line Graphics (Windowmaker 2022 SP1)

The text in Sales Line graphics for Remakes and Stage Sub-orders is now more legible. You can now control the graphics details from Application Settings → Sales: Graphics.

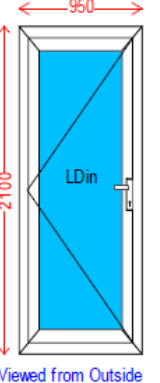
Before Upgrade

Super Quality Windows		Production Document	12-05-2022
11-020 / 0001		Qty 1	
IM01 Imperial Windows			
System	SY04 Int.Glazed Doors		
Design	200		
Description	Residoor L		
Size	950w x 2100h		
Coextruded Bead	Yes - Coex		
Drainage	Concealed		



After Upgrade

Super Quality Windows		Production Document	12-05-2022
00000054 / 0001		Qty 1	
IM01 Imperial Windows			
System	SY04 Int.Glazed Doors		
Design	200		
Description	Residoor L		
Size	950w x 2100h		
Coextruded Bead	Yes - Coex		
Drainage	Concealed		



Database Schema Changes

Changes specific to each table are as listed below:

Table	Column	Change
WMStation	QualityCheckData	Added
WMTrackingTable	QualityCheckStatus	Added
	HasFailedQualityChecks	Added
	QualityCheckData	Added

Enhancements to Options


Tracking - Quality Checks

Windowmaker Tracking is now enhanced to record quality checks at various stations on the production floor. Say goodbye to paper-based quality checklists!

- Set-up a quality checklist for each station. The checklist can vary according to the window/door type.
- Specify the frequency at which the quality checks should be performed at each station.
- Follow the on-screen quality checklist at the station and record the results. Only if all the checks pass, the frame/sash can progress to the next station.
- Analyse the failures and take corrective actions as appropriate e.g., which station, which operator.

For more details, refer to Windowmaker Help topic 'How to implement paperless quality control'.




Quality Check : FrameAsb (0033) - Station 1002: Frame Assembly - Sales Order: J00049/001 Qty. No.: 2/2 Frame: 1/1

☒ Pass ☐ Fail 

Checklist


Corners Cleaned?	<input checked="" type="checkbox"/>
Item Size Correct?	<input checked="" type="checkbox"/>

Size

			
Required	1000	1000	1414.0
Actual	1001	999	1414.0
Difference	1	-1	0.0

Remarks




Quality Check : FrameAsb (0033) - Station 1002: Frame Assembly - Sales Order: J00049/001 Qty. No.: 2/2 Frame: 1/1

☐ Pass ☒ Fail 

Checklist

Corners Cleaned?	<input checked="" type="checkbox"/>
Item Size Correct?	<input type="checkbox"/>

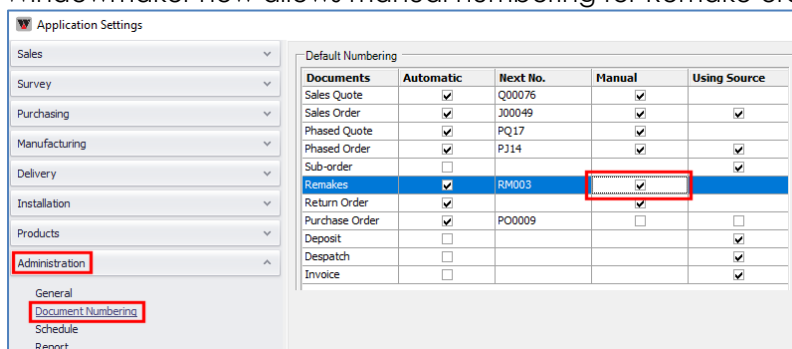
Size

			
Required	1000	1000	1414.0
Actual	1001	1004	1414.0
Difference	1	4	0.0

Remarks

Remakes

Windowmaker now allows manual numbering for Remake orders.



Documents	Automatic	Next No.	Manual	Using Source
Sales Quote	<input checked="" type="checkbox"/>	Q00076	<input checked="" type="checkbox"/>	
Sales Order	<input checked="" type="checkbox"/>	300049	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Phased Quote	<input checked="" type="checkbox"/>	PQ17	<input checked="" type="checkbox"/>	
Phased Order	<input checked="" type="checkbox"/>	P314	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sub-order	<input type="checkbox"/>			<input checked="" type="checkbox"/>
Remakes	<input checked="" type="checkbox"/>	RM003	<input checked="" type="checkbox"/>	
Return Order	<input checked="" type="checkbox"/>			
Purchase Order	<input checked="" type="checkbox"/>	PO0009	<input type="checkbox"/>	<input type="checkbox"/>
Deposit	<input type="checkbox"/>			<input checked="" type="checkbox"/>
Despatch	<input type="checkbox"/>			<input checked="" type="checkbox"/>
Invoice	<input type="checkbox"/>			<input checked="" type="checkbox"/>

Application Settings – Sales, Administration

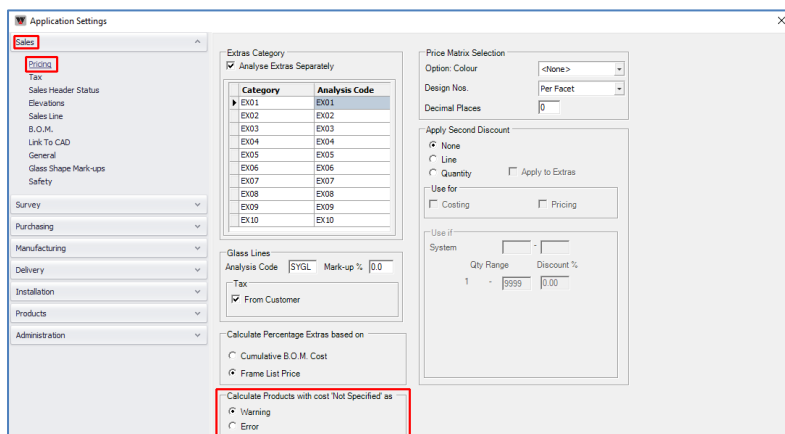
All the Preference settings on the Input and Output tabs are now moved to the Application Settings, as listed below:

Settings Before Upgrade (Preferences)	Settings After Upgrade (Application Settings)
Input: Customer Selection from List	Sales → General
Input: Use Windows NT Authentication Dimension Sequence	Administration → General
Input: Solution page as default Default Solution Page (now Default Graphics Size) Default Viewed from Side Special Internal Dimensions for Prompt when Design Description is modified Default Sales Line View Default Wall Height Max. Frames for automatic Sales Line calculation	Sales → Sales Line
Output: Variant No. Suppress Glass and Profile Colours Suppress Panels	Administration → Report
Output: BOM Settings Maximum Collation of Labour Position Identifier	Sales → B.O.M.

Preference Settings listed below are now obsolete, and are removed:

- Preferences → Input: Database Server name
- Preferences → Output: Fonts, Form Length, Matrix Column Widths

Also, “Calculate Products with cost ‘Not Specified’ as” is now moved from Application Settings → Sales → Sales Line to Application Settings → Sales → Pricing.



The screenshot shows the 'Pricing' tab in the Application Settings window. The 'Calculate Products with cost 'Not Specified' as' option is highlighted with a red box. The options are:

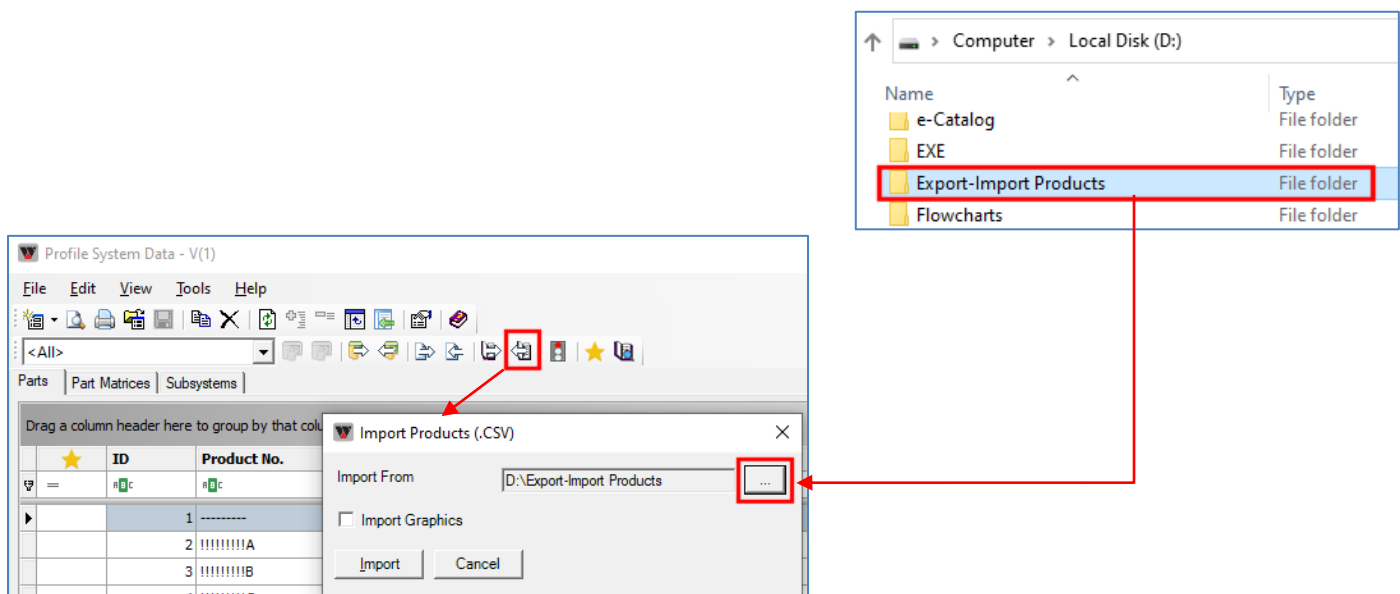
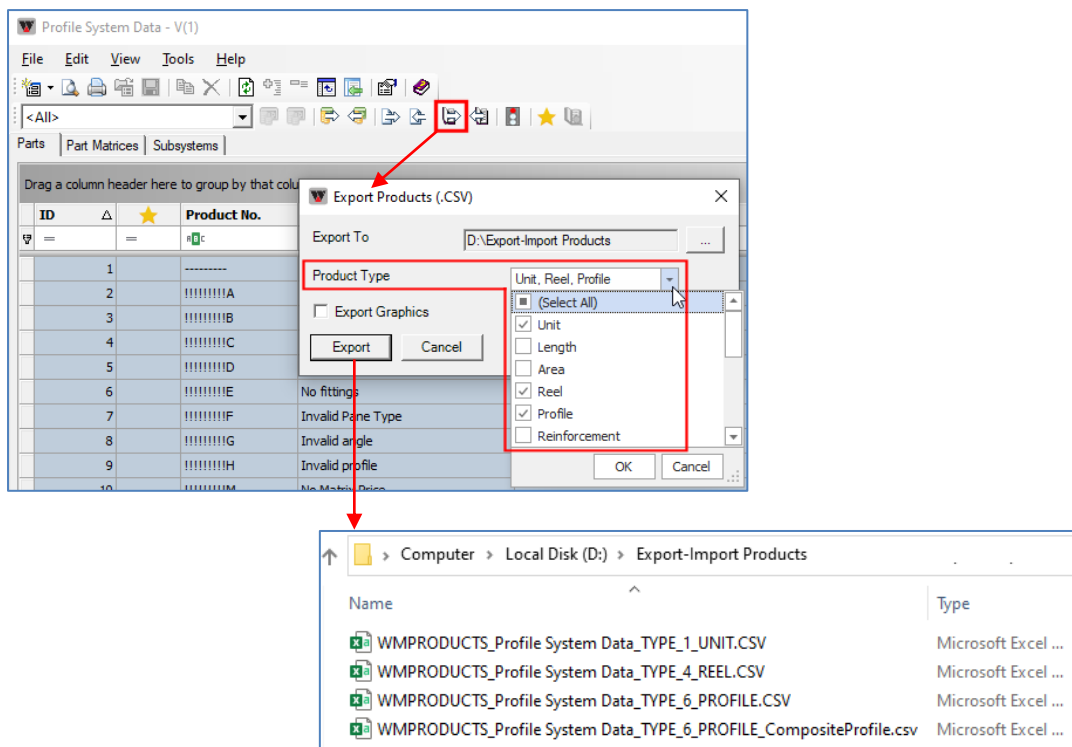
- ☐ Warning
- ☐ Error

Advanced Data Management Tools

Export Products (.CSV) now allows multiple Product Types to be exported simultaneously. A separate file is created in the specified folder, for each Product Type selected.

Import Products (.CSV) now imports all CSV files (i.e. Product Types) in the selected folder.

This makes data updates and maintenance easier and more efficient.



Link to Working Centres

The program now links to Schirmer BAZ 1000 Tandem Working Centre.

Issues Fixed

Windowmaker 2022 SP2

Sales - Job Import

When a Sales Order created with Sundry Account is imported into Windowmaker, customer name was getting erased. This is now fixed.

Windowmaker 2022

Sales - Order Entry - Pricing - 18077

Problem with Tax calculation when 'Analyse Extras Separately' is checked off and the Pricing is done using 'Price per Sales Header', is now fixed.

Sales - Order Entry - Dimensions - 15402

The Overall Internal Dimensions are now calculated without rounding error even when the Overall Clearances are set with 0.5 mm decimal values. Earlier, this was calculated incorrectly.

Sales - Multiline text - Option Answers - 18205

Mixed Option Answers contained as Merge Fields in the Sales Line Multiline text did not show the Answer position (e.g., <, >, _, etc.). This is now corrected.

Sales - Reports - Invoice 18754

The problem with Extras Sub-total not printing when Current Extras Total did not match the Stored Extras Nett, is now resolved for the Standard WM_Invoice report.

Purchase - Reports - Purchase Order - 18529

The problem with missing headings for Products sharing different Product Codes but the same Description is now solved.

Manufacturing - Process - Link to Stock- 18246

On running 'Process' on a Production batch with 'Update Stock' checked, the program did not clear some Stock Transactions from the WMStockTransaction table. This is now fixed, and the program removes all the old transactions, and replaces them with newly generated ones. This only affects users with 'Link to Stock' option without 'Stock Control'.