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Windowmaker 2022 ..... 18



### 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)	<a href="https://windowmaker.com/en/pdf/windowmaker-2021-r9.x-release-document.pdf">https://windowmaker.com/en/pdf/windowmaker-2021-r9.x-release-document.pdf</a>	
Windowmaker 2020 (v8.x)	<a href="https://windowmaker.com/en/pdf/windowmaker-2020-r8.x-release-document.pdf">https://windowmaker.com/en/pdf/windowmaker-2020-r8.x-release-document.pdf</a>	
Windowmaker 2018 (v7.x)	<a href="http://www.windowmaker.com/EN/PDF/Windowmaker%202018%20(v7.x)%20What's%20New.pdf">www.windowmaker.com/EN/PDF/Windowmaker%202018%20(v7.x)%20What's%20New.pdf</a>	<a href="http://www.windowmaker.com/EN/PDF/Windowmaker%202018%20(v7.x)%20Release%20Notes.pdf">www.windowmaker.com/EN/PDF/Windowmaker%202018%20(v7.x)%20Release%20Notes.pdf</a>
Windowmaker 2012 (v6.x)	<a href="http://www.windowmaker.com/EN/PDF/Windowmaker%202012%20(v6.x)%20What's%20New.pdf">www.windowmaker.com/EN/PDF/Windowmaker%202012%20(v6.x)%20What's%20New.pdf</a>	<a href="http://www.windowmaker.com/EN/PDF/Windowmaker%202012%20(v6.x)%20Release%20Notes.pdf">www.windowmaker.com/EN/PDF/Windowmaker%202012%20(v6.x)%20Release%20Notes.pdf</a>

You may also refer:

Windowmaker Technical Requirements	<a href="https://windowmaker.com/en/pdf/windowmaker-technical-requirements.pdf">https://windowmaker.com/en/pdf/windowmaker-technical-requirements.pdf</a>
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## Windowmaker 2022 R1.1

### What's New

This section lists the important features/updates introduced in this release.

### 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.

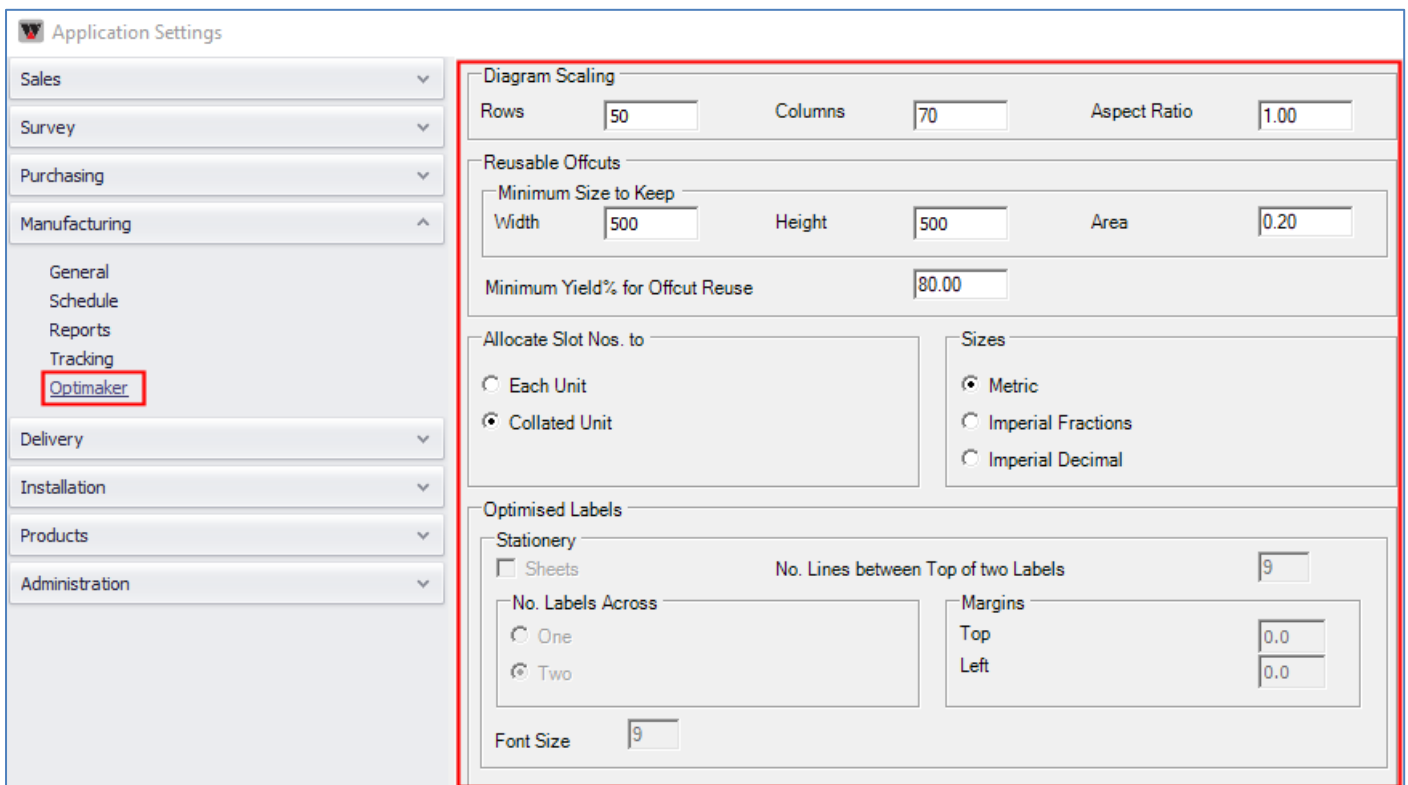
#### FENSA Registration - Preferences Settings

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.

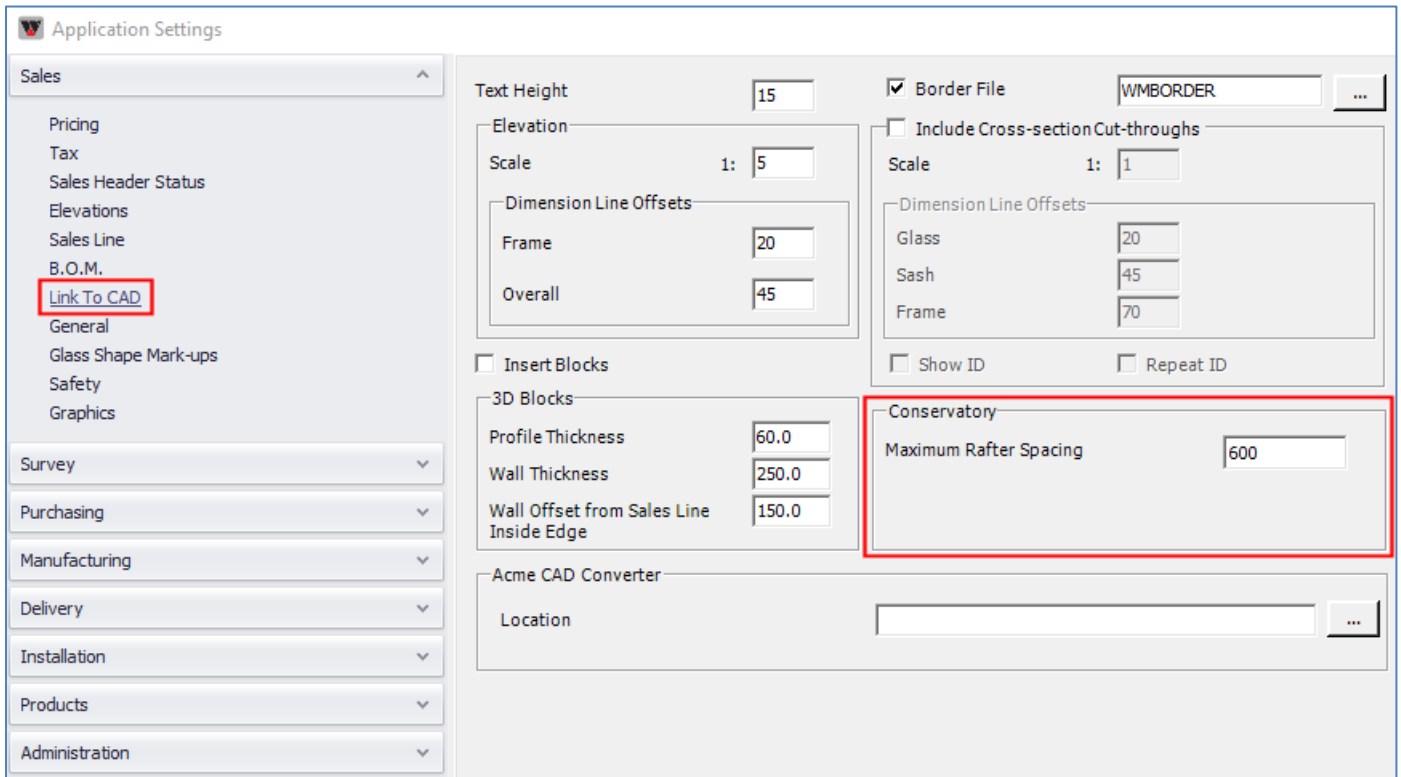


The screenshot shows the 'Application Settings' dialog box with the 'Manufacturing' category selected. The 'Optimaker' sub-category is highlighted in the left-hand menu. The main settings area is outlined in red and contains the following sections:

- 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 in the left sidebar. The 'Link To CAD' option is highlighted with a red box. In the main settings area, 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
	Border File	<input checked="" type="checkbox"/> WMBORDER
	Elevation	
	Scale	1: 5
	Dimension Line Offsets	
	Frame	20
	Overall	45
	Include Cross-section Cut-throughs	<input type="checkbox"/>
	Scale	1: 1
	Dimension Line Offsets	
Glass	20	
Sash	45	
Frame	70	
Insert Blocks	<input type="checkbox"/>	
3D Blocks		
Profile Thickness	60.0	
Wall Thickness	250.0	
Wall Offset from Sales Line Inside Edge	150.0	
Acme CAD Converter		
Location		
Conservatory		
Maximum Rafter Spacing	600	

## 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

#### What's New

This section lists the important features/updates introduced in this release.

#### General Enhancements

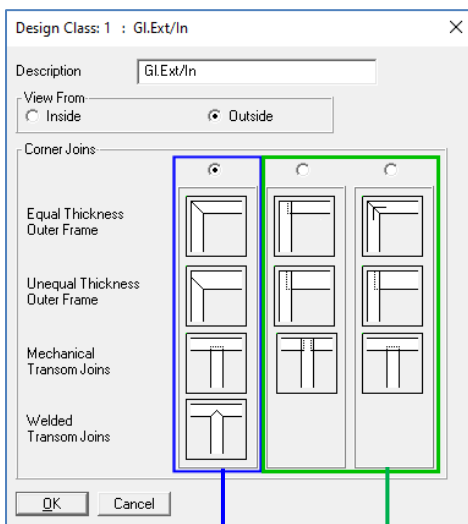
##### Designs

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

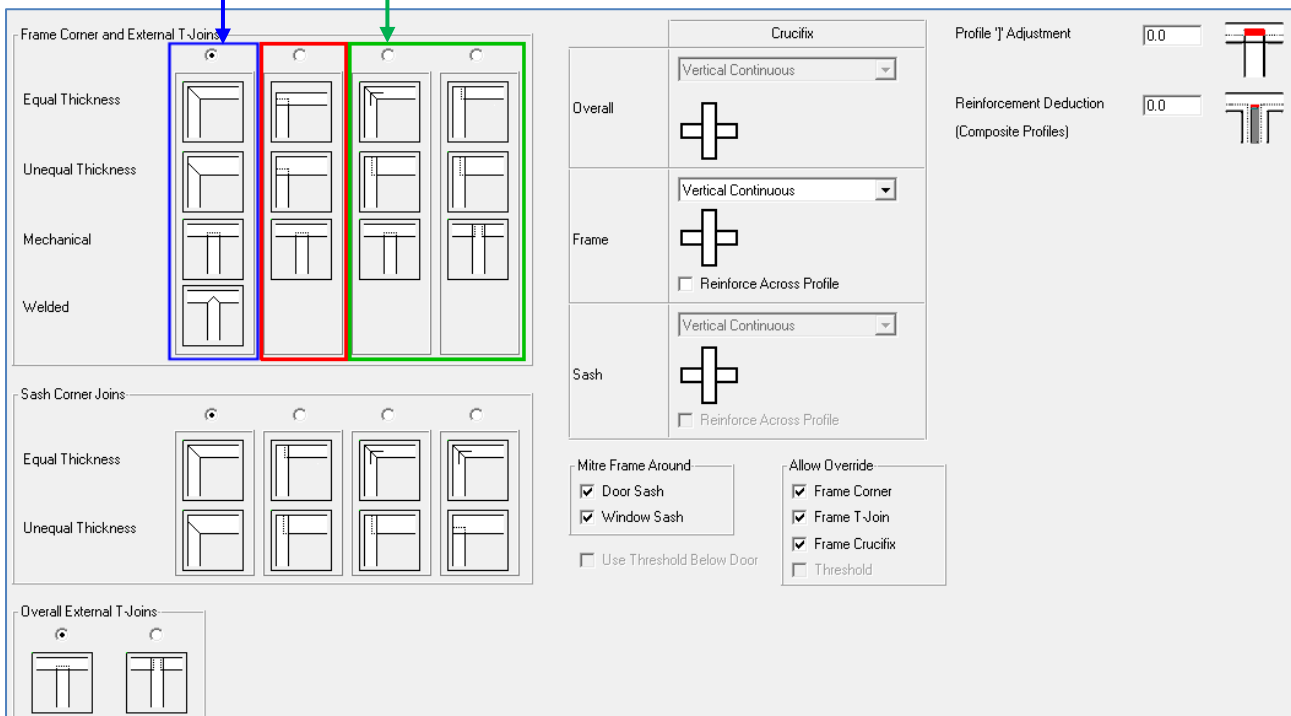
##### Auto Frame Joins

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



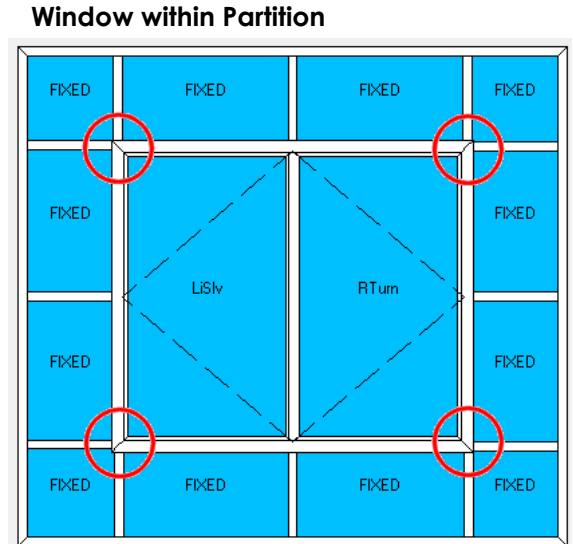
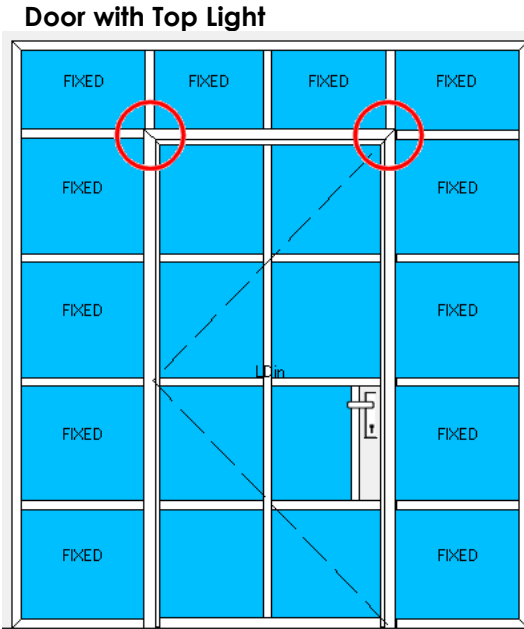
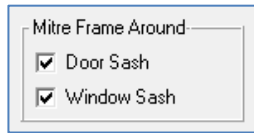
##### After Upgrade



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.

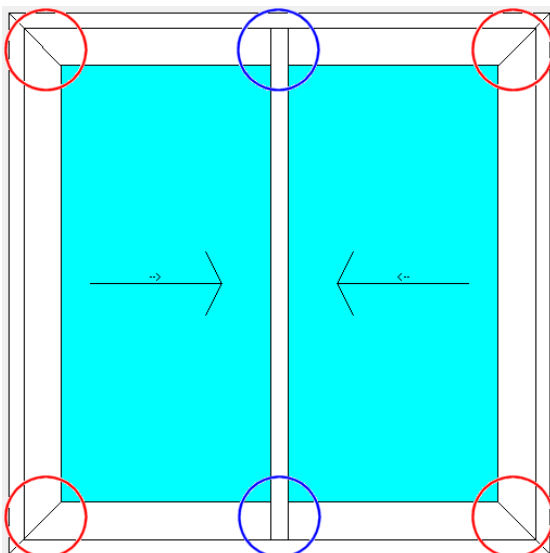
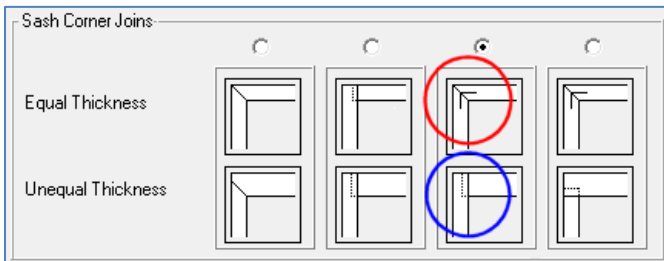
The Frame joins around Sashes can now default to Mitred joins if System → Joins: 'Mitre Frame Around' settings are selected.

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



### Auto Sash Corner Joins

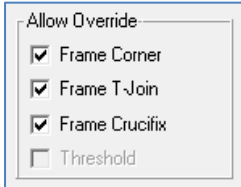
Windowmaker now allows defining default Sash Corner Joins. These settings are only applied when the rules have 'End Types' Welded/Mechanical Auto. E.g. joins for designs with slim slider interlocks can be achieved with the highlighted setting.



## 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

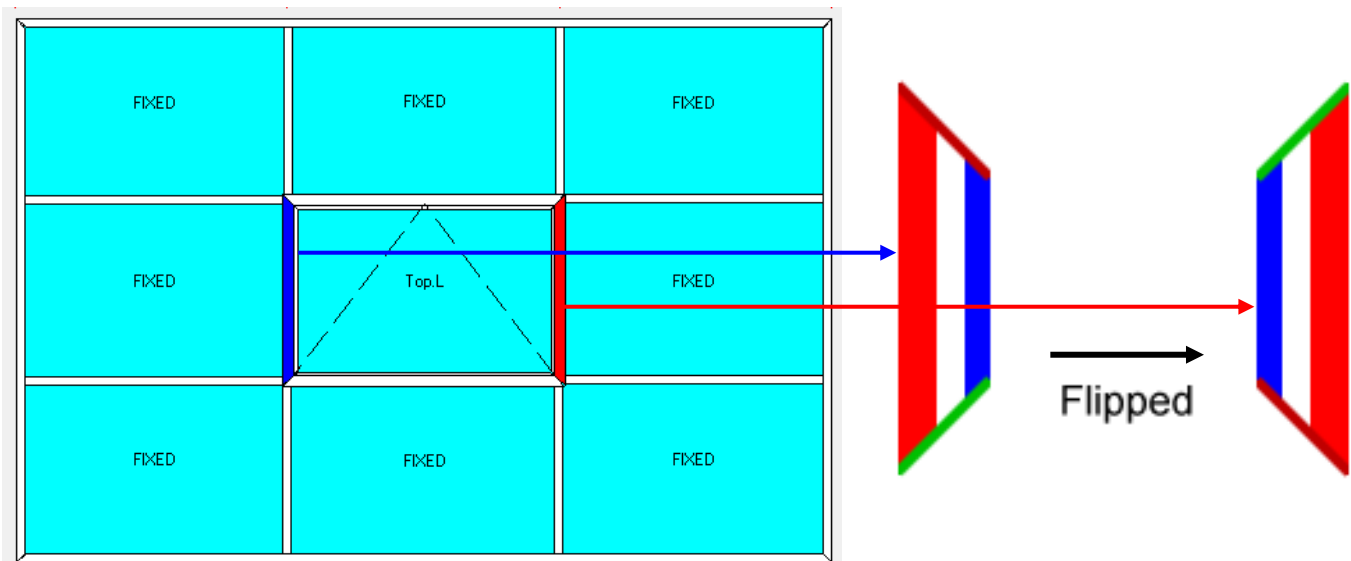
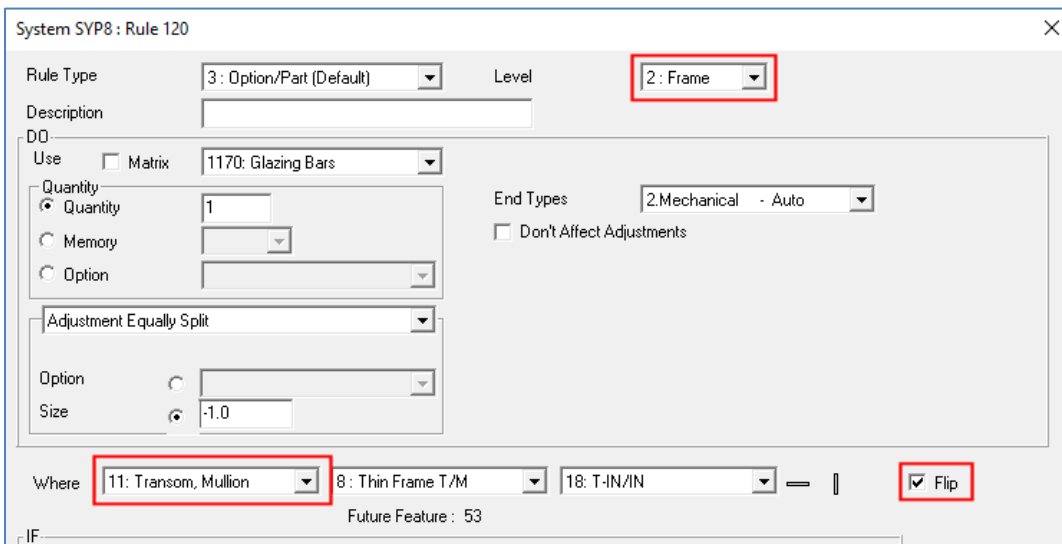


## Asymmetric Frame Transom/Mullion

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**

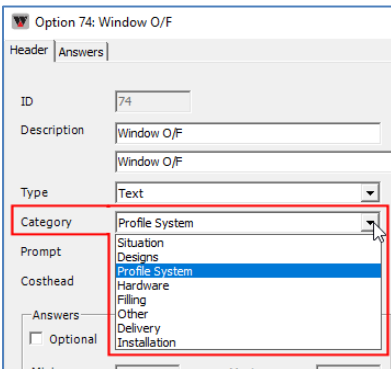
**Frame Mullion Flipped**



**Options Category**

The program now allows to define a Category for Options.

**Note:** This is for future developments



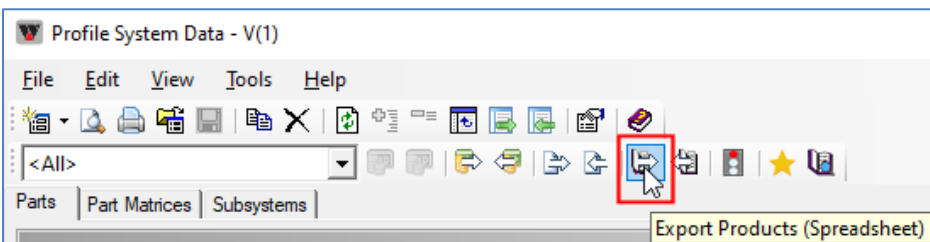
**Enhancements to Options**

**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 Wit	PVC-U PROFILE C45PF1			1
4ad72e38-	Profile System Data	104	6	0	FALSE	C56PF2*#	56mm Dox	PVC-U PROFILE C56PF2			1
4ad72e38-	Profile System Data	105	6	0	FALSE	W65PE1*#	112mm W	PVC-U PROFILE W65PE1			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 \/\
		<b>Waste</b>	<b>0.3438</b>
J250135	/0005	10	4 35.2500 \/\
J250135	/0005	10	2 47.2500 \/\
		<b>Waste</b>	<b>0.3438</b>
J250135	/0005	10	3 47.2500 \/\
J250135	/0005	10	1 47.2500 \/\
		<b>Offcut</b>	<b>47.2344</b>
J250135	/0005	10	1 35.2500 \/\
J250135	/0005	10	1 35.2500 \/\
J250135	/0005	10	2 47.2500 \/\
		<b>Offcut</b>	<b>71.2188</b>
<b>Total</b>		<b>20</b>	<b>825.0000</b>

### With Head Position Change Cost

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

## Link to Welder

Windowmaker can now link to Ferro 6-head welder.

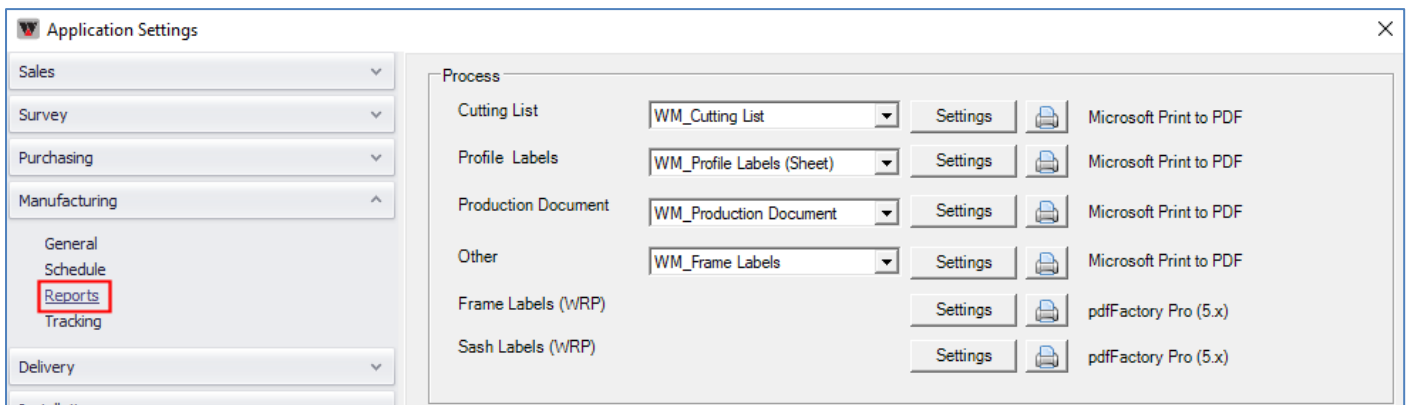
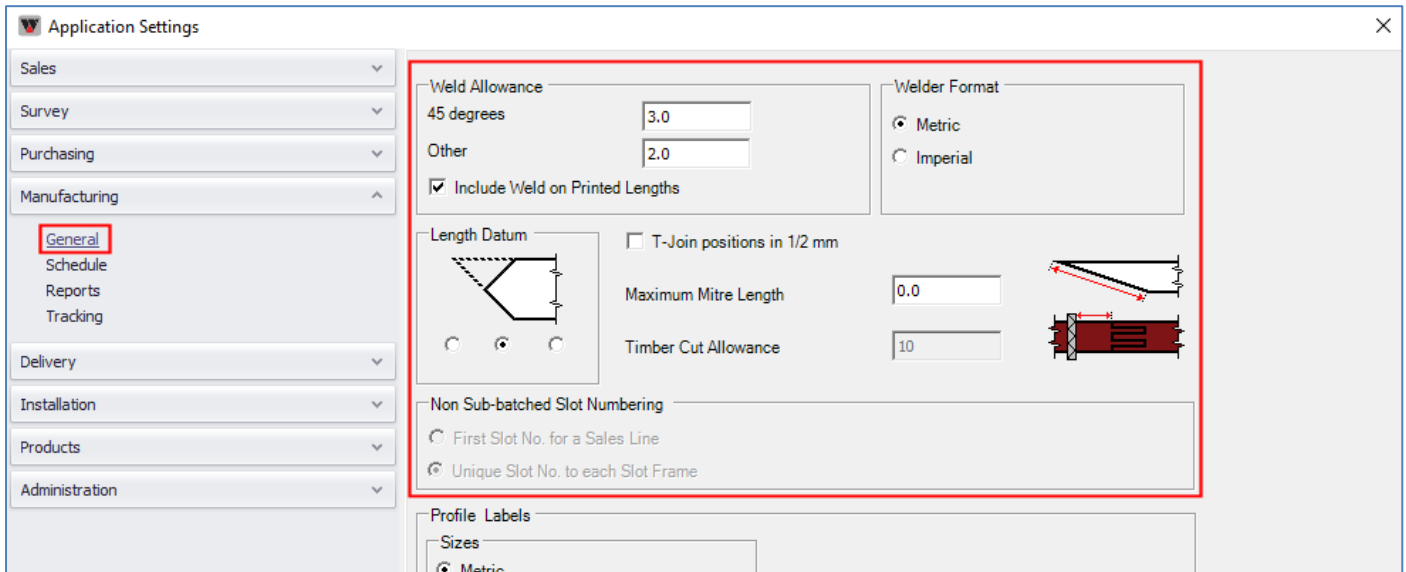
## Breaking Changes

### General Enhancements

#### 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)

## 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

### What's New

This section lists the important features/updates introduced in this release.

### General Enhancements

#### Windows 7 Operating Systems no longer supported

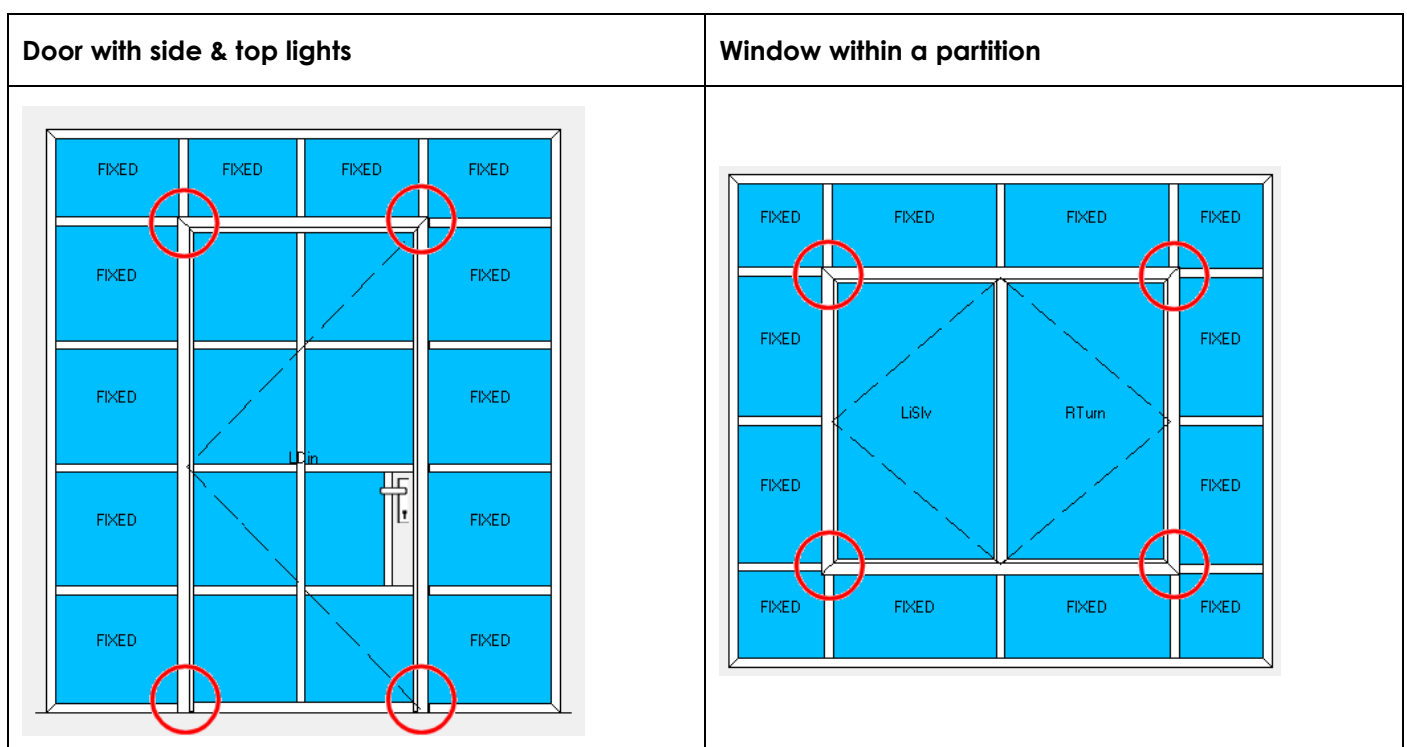
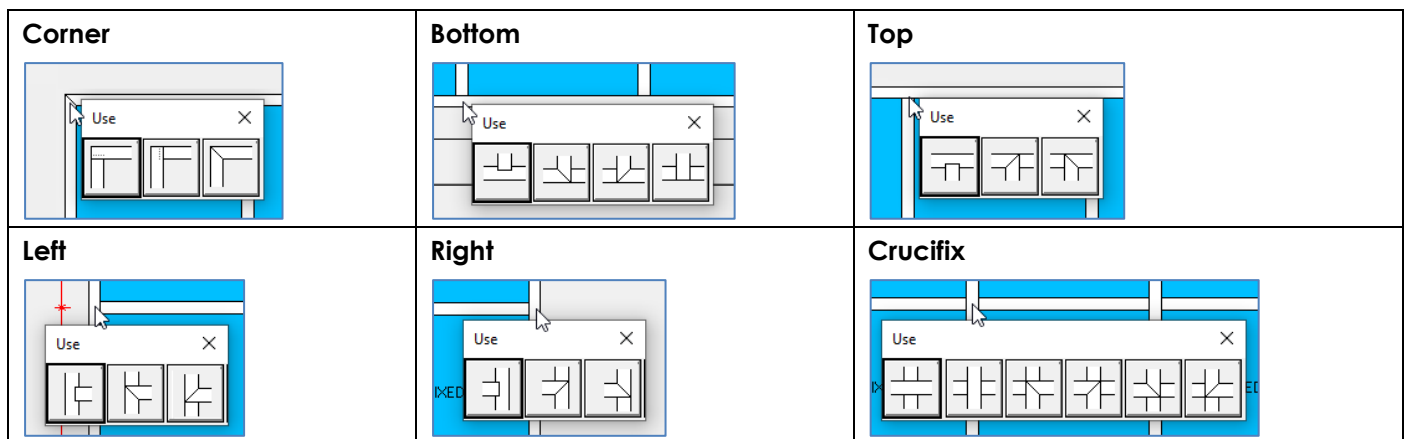
Windowmaker no longer supports Windows 7/Windows 7 SP1 operating systems.

#### 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.



### 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?	✔
Item Size Correct?	✔




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 ✘

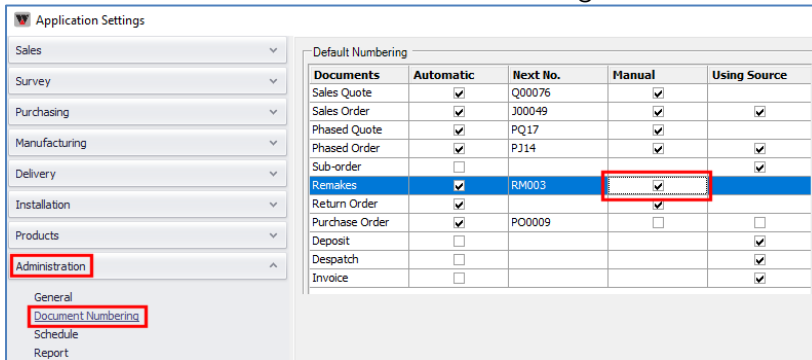
Checklist	
Corners Cleaned?	✔
Item Size Correct?	<input type="checkbox"/>

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.



## 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.

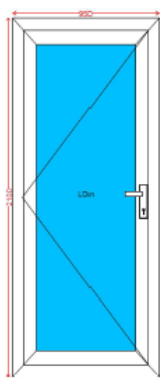
### Before Upgrade

**Super Quality Windows** **Production Document** 12-05-2022

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11-020 / 0001 Qty 1

**IM01 Imperial Windows**

System	SY04 Int.Glazed Doors	
Design	200	
Description	Residor L	
Size	950w x 2100h	
Coextruded Bead	Yes - Coex	
<b>Drainage</b>	<b>Concealed</b>	

Viewed from Outside

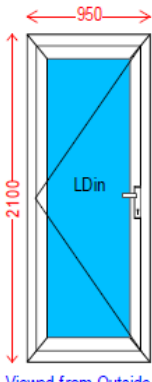
### After Upgrade

**Super Quality Windows** **Production Document** 12-05-2022

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00000054 / 0001 Qty 1

**IM01 Imperial Windows**

System	SY04 Int.Glazed Doors	
Design	200	
Description	Residor L	
Size	950w x 2100h	
Coextruded Bead	Yes - Coex	
<b>Drainage</b>	<b>Concealed</b>	

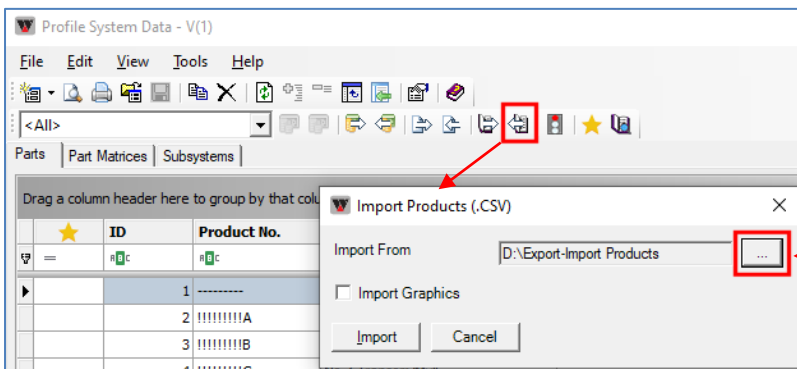
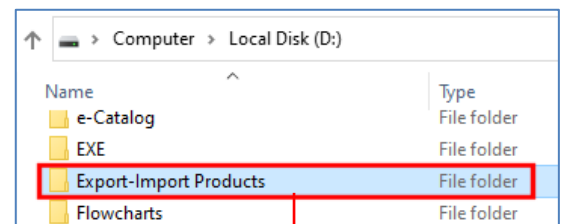
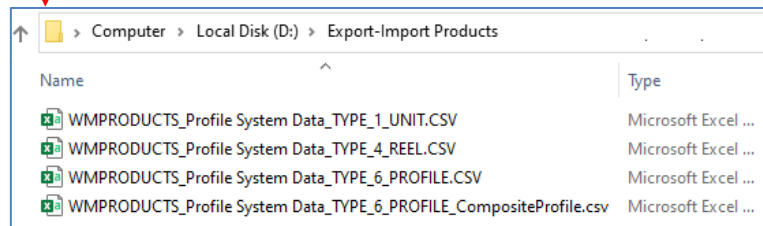
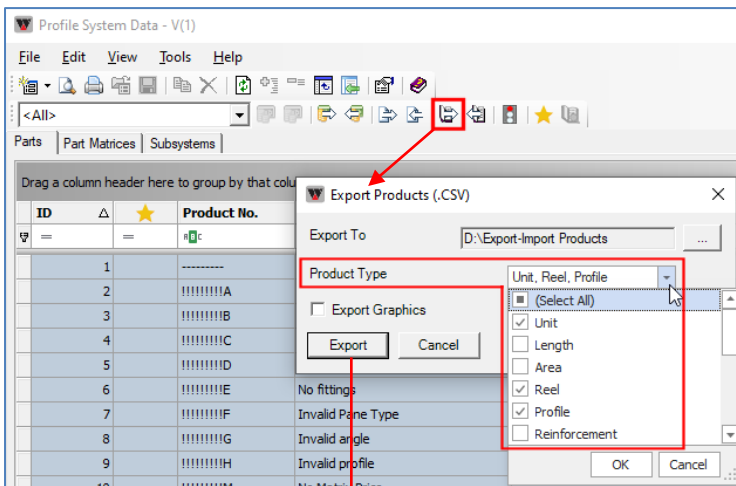
Viewed from Outside

## 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.



## Breaking Changes

### General Enhancements

#### Application Settings – Sales, Administration

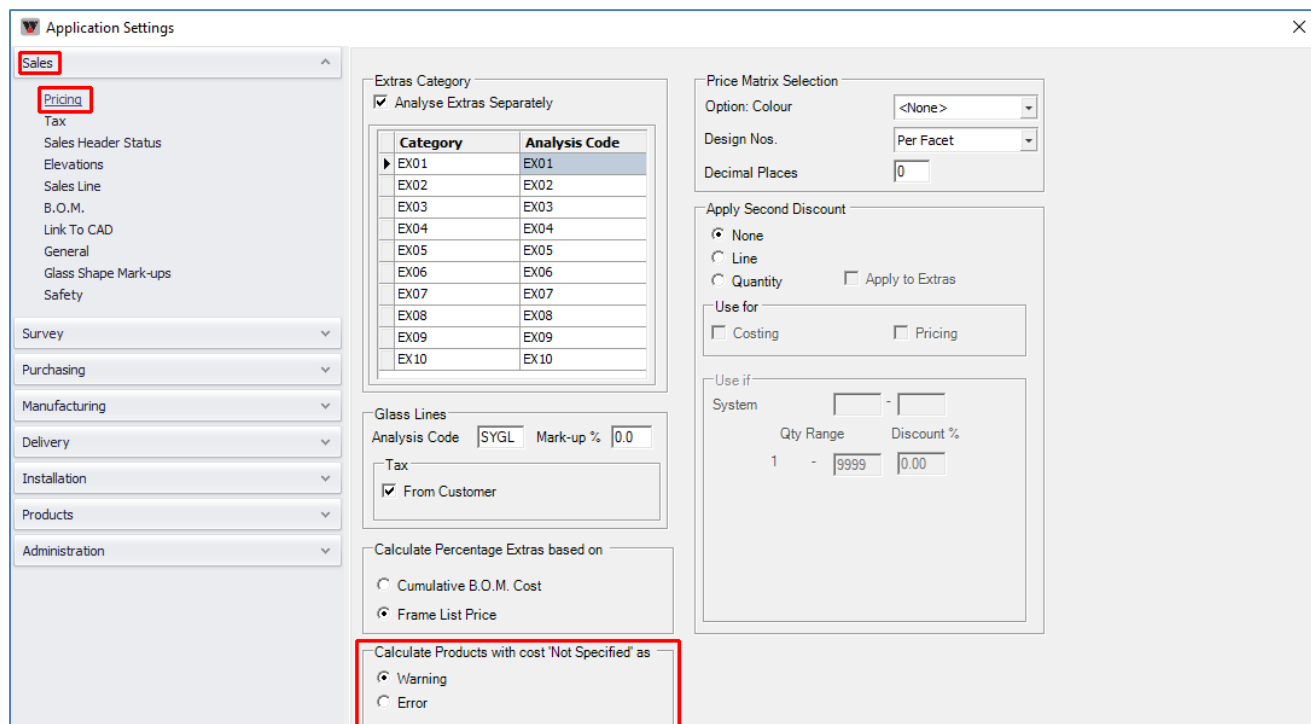
All the Preference settings on the Input and Output tabs are now moved to the Application Settings, as listed below:

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 'Application Settings' dialog box with the 'Sales' tab selected. The 'Pricing' sub-tab is active. A red box highlights the 'Calculate Products with cost 'Not Specified' as' section, where the 'Warning' radio button is selected. Other visible settings include 'Extras Category' (Analyse Extras Separately checked), 'Price Matrix Selection' (Option: Colour set to '<None>', Design Nos. set to 'Per Facet', Decimal Places set to '0'), 'Apply Second Discount' (None selected), and 'Glass Lines' (Analysis Code 'SYGL', Mark-up % '0.0', Tax 'From Customer' checked).

### 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

### 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'.