

## Contents

<b>Upgrading from older versions .....</b>	<b>2</b>
<b>What's New .....</b>	<b>3</b>
General Enhancements .....	3
Dashboards .....	3
Navigation Controls.....	4
Sales Header-Pricing .....	4
History .....	5
Crystal Reports – Part Images.....	6
Crystal Reports - Frame Labels .....	7
Elevations.....	8
User Rights.....	8
Part Filter Option Answers .....	8
Enhancement to Options .....	9
Georgian .....	9
Customer Special Terms.....	9
Commercial Orders, Surveying .....	9
Remakes, Production Scheduling.....	10
Entrance Doors .....	10
Dealer Client, Revisions .....	10
Link to Working Centre (Windowmaker 2020 R1 SP2).....	10
Link to Welder.....	10
Enhancement to Products .....	10
Windowmaker Lite (Windowmaker 2020 R1 SP2) .....	10
<b>Breaking Changes .....</b>	<b>11</b>
General.....	11
SQL Server 2008 R2.....	11
Windows 7 SP1, Windows Server 2008, Windows Server 2008 R2 Operating Systems .....	11
Crystal Reports – Purchase Order, Purchase Order (Entrance Doors), Glass Order .....	12
Database Schema Changes .....	12
<b>Issues Fixed .....</b>	<b>13</b>
Windowmaker 2020 R1 SP2 .....	13
Windowmaker 2020 R1 SP1 .....	14
Windowmaker 2020 R1 .....	14

### Upgrading from older versions

When upgrading please also refer to below documents for changes since your current version:

If your current version is	What's New	Release Notes
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>

## Windowmaker 2020 R1

### What's New

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

### General Enhancements

#### Dashboards

We now have a livelier and more informative Windowmaker main screen. It comes with a dashboard for each department. This makes day-to-day management of the activities much easier and helps you stay focussed.

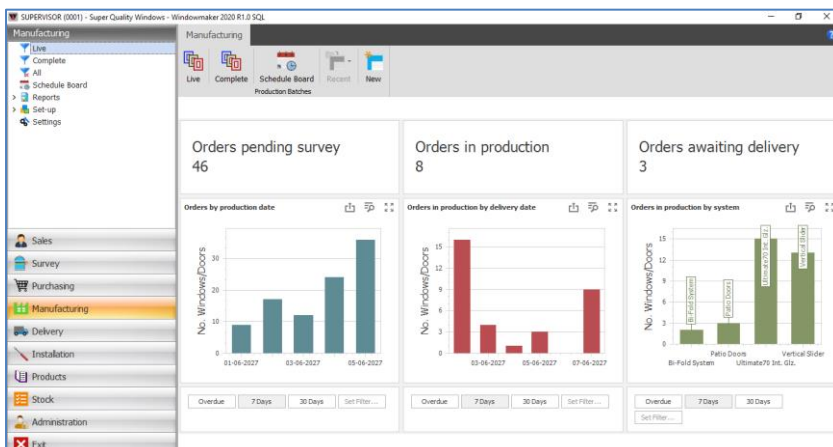
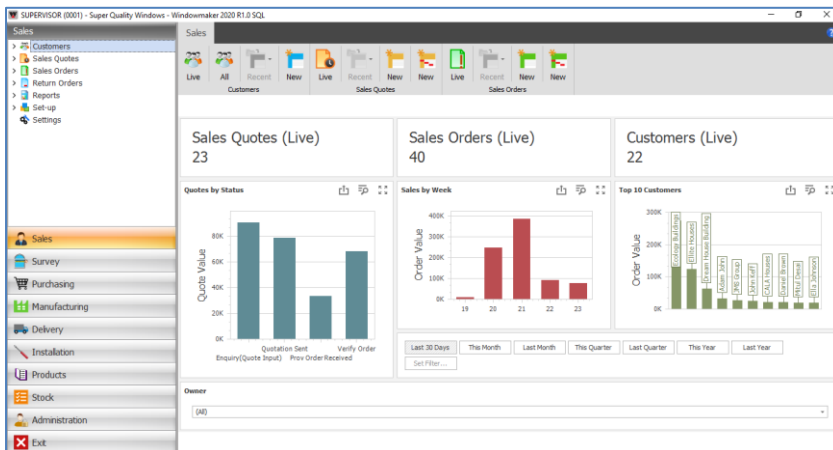
#### Benefits:

- ▲ Assist management decision-making with real time, easy to understand data.
- ▲ Export Wide range of management reports.
- ▲ Readily available key metrics to motivate staff and increase productivity.

e.g.:

- A factory manager can see a daily Windows/Doors count based on production date or delivery date.
- A factory manager can make informed decisions regarding staffing levels and overtime.
- A business owner can accurately forecast daily and weekly invoice total.
- A delivery manager can plan vehicle requirements well in advance, depending on Windows/Doors count per route.
- An operations manager can track number of Windows/Doors processed by each employee. This can be used it to motivate staff and increase productivity, set goals and reward good performance.

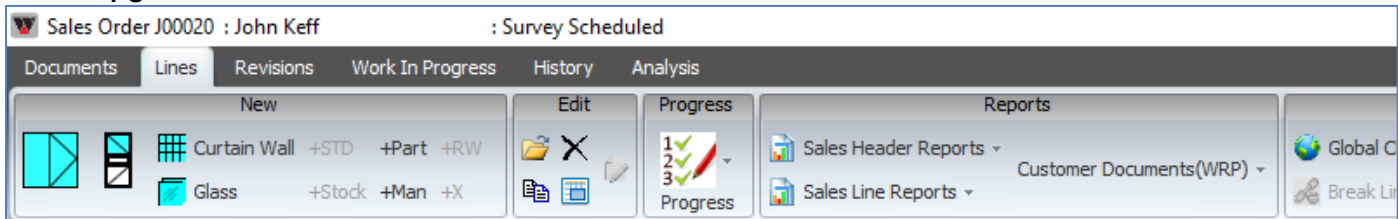
Note: Currently the dashboards are pre-defined. These will be made user-definable in future.



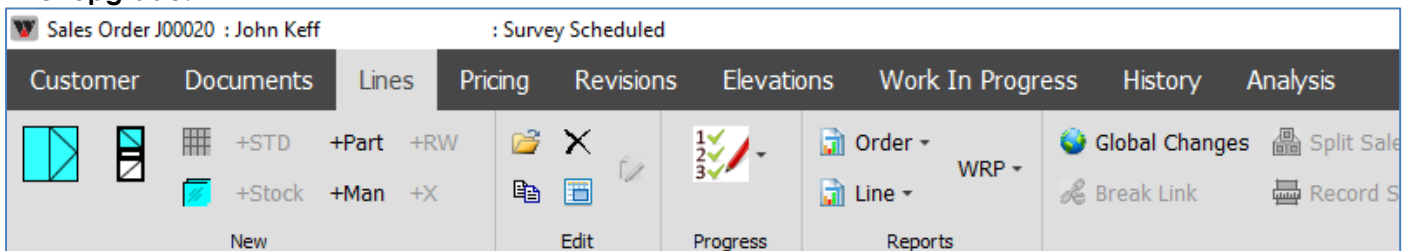
### Navigation Controls

The navigation controls of all 'ribbon controls' now have a bigger font to increase readability.

#### Before Upgrade:



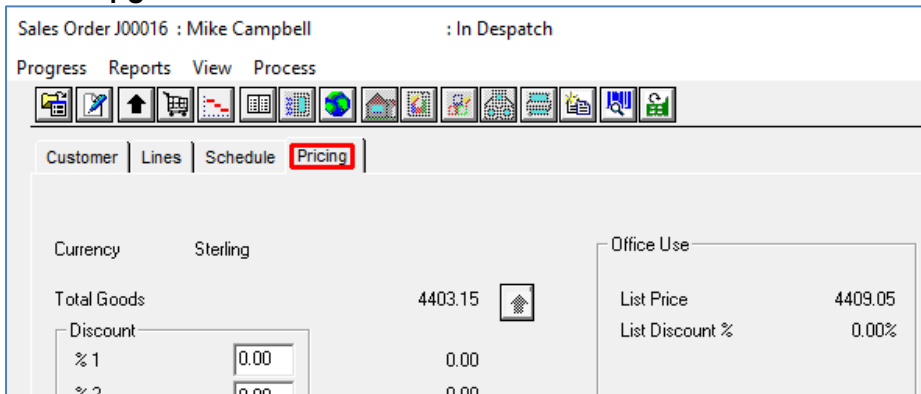
#### After Upgrade:



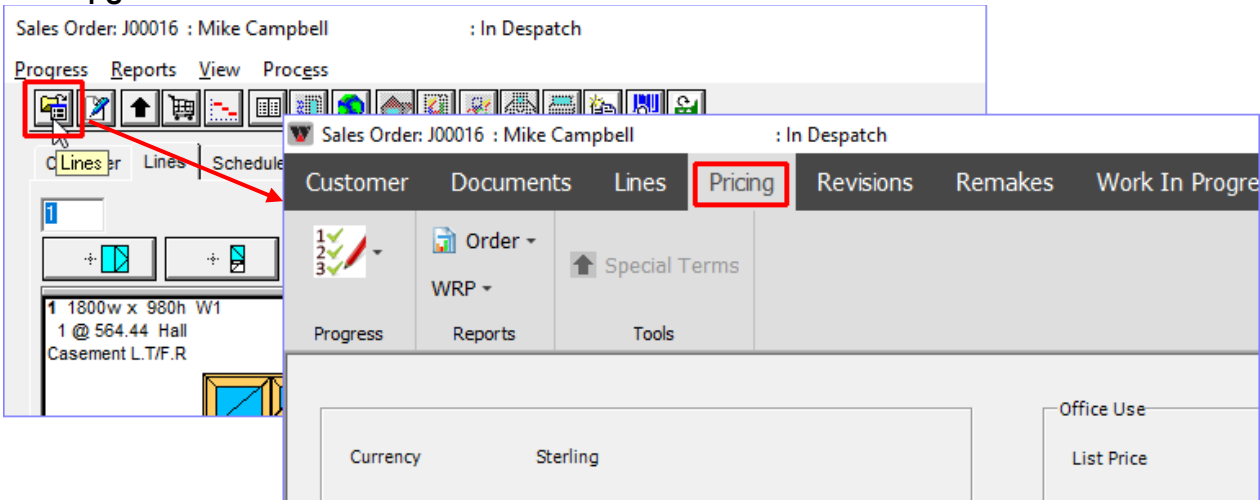
### Sales Header-Pricing

The Sales Quote/Order → Pricing page is now moved to the new Sales Header notebook. This is being done as part of using the latest technology to take advantage of the rich features available.

#### Before Upgrade



#### After Upgrade



# Windowmaker 2020 R1

## Release Document



### History

In Sales Header list, History of the focussed quote is now displayed in a panel on the right side. It will be visible on the Lines tab of the new Sales Header notebook as well. These panels can be set to auto-hide mode. This makes history information readily available for the respective quote/order, without having to open quote/history records. This also helps to stay up to date on quotes/orders.

### Benefits:

- ▲ Empower staff with all the latest information regarding every quote and order.
- ▲ Improve accountability for all actions taken by the fabricator and their customer.
- ▲ Reduce staff workload and increase productivity.
- ▲ Go paperless by attaching handwritten documents.

Order	Account	Name	Order Value	Status	Order Date	Area	Cat
J00006	XX06	Oscar Alen	26767.00	In Despatch	06-05-2027	East	
J00007	XX06	Noah Daniel	23247.80	In Production	06-05-2027	East	
J00008	XX01	Henry Milton	4558.32	In Despatch	06-05-2027	London	
J00009	XX01	Ruby Abbot	5064.80	In Production	10-05-2027	London	
J00010	XX02	Connor Sullivan	13146.38	Order Dispatched	26-05-2027	North West	
J00011	XX07	Harry Wilson	13522.47	In Despatch	26-05-2027	South West	
J00012	XX02	Johnny Watson	27127.57	In Production	26-05-2027	North West	
J00013	XX06	Mason White	26908.20	In Despatch	26-05-2027	East	
J00014	XX03	Arthur Hughes	26783.20	In Production	26-05-2027	Yorkshire and the Humber	
J00015	XX03	Daniel Brown	24104.90	Order Dispatched	26-05-2027	Yorkshire and the Humber	
J00016	XX03	Mike Campbell	4403.15	In Despatch	20-05-2027	Yorkshire and the Humber	
J00017	XX10	Eve Edwards	2389.71	Prov Order Accepted	01-06-2027	West Midlands	
J00018	XX03	Mr. Jonathon Ri...	4746.22	Final Order Accepted	03-06-2027	Yorkshire and the Humber	
J00019	XX02	Adam John	32772.80	Survey Scheduled	12-06-2027	North West	
J00020	XX02	John Keff	25428.65	Survey Scheduled	12-06-2027	North West	
J00021	XX01	Peter Brown	14411.70	Survey Scheduled	05-05-2027	London	
J00022	XX06	Daniel Brown	10180.18	Survey Scheduled	19-05-2027	East	
J00023	XX01	Mark Johnson	12832.00	Survey Scheduled	01-06-2027	London	
J00024	XX06	Daniel Brown	10151.06	Survey Scheduled	01-06-2027	East	
J00025	XX09	John Barson	9816.25	Prov Order Accepted	20-05-2027	North East	
J00026	XX09	Stella Aspel	10579.74	Survey Scheduled	13-05-2027	North East	
73			2173722.33				

History

Customer enquiry regarding delivery 01-06-2027

Confirmed delivery date Alva

(50->60) Frame Assembly to In 29-05-2027

(45->50) Weld & Clean to Frame 29-05-2027

(37->45) Cutting to Weld & Clean 29-05-2027

(35->37) In Production to Cutting 28-05-2027

Glass PO Sent 28-05-2027

(25->35) Final Order Accepted to In 28-05-2027

SUP03/PO0013 27-05-2027

Scheduled for Production 27-05-2027

(22->25) Survey Completed to Final 27-05-2027

(19->22) Under Survey to Survey 25-05-2027

WM\_Link to Windowmaker Measure 24-05-2027

Line	System	Long Description	Size	Quant...	Reference	Location	Status	Total Price	Total Net	Total Disc. %
0001	ER01	Casement L.T/F.R	1800 x 980	1	W1	Hall	In Desp...	564.44	564.44	0.00
0002	ER01	Casement L.T/F.R	1800 x 980	1	W2	Hall	In Desp...	564.44	564.44	0.00
0003	ER01	Casement L.R	1310 x 980	1	W3	Bedroom 1	In Desp...	409.30	409.30	0.00
0004	ER01	Casement L.R	1310 x 980	1	W4	Bedroom 1	In Desp...	409.30	409.30	0.00
0005	ER01	French Door L=,RDISlv=	1950 x 2100	1	D1	Hall	In Desp...	844.49	844.49	0.00
0006	ER01	Door L= In	955 x 2100	1	D2	Bedroom 1	In Desp...	437.17	437.17	0.00
0007	ER01	Door L= In	955 x 2100	1	D3	Kitchen	In Desp...	437.17	437.17	0.00
0008	ER01	1-OFF	1200 x 980	1	W5	Kitchen	In Desp...	289.56	289.56	0.00
0009	ER01	Casement L.F.R	1800 x 980	1	W6	Dining Room	In Desp...	447.28	447.28	0.00

History

Customer enquiry regarding delivery 01-06-2027

Confirmed delivery date Alva

(50->60) Frame Assembly to In 29-05-2027

(45->50) Weld & Clean to Frame 29-05-2027

(37->45) Cutting to Weld & Clean 29-05-2027

(35->37) In Production to Cutting 28-05-2027

Glass PO Sent 28-05-2027

(25->35) Final Order Accepted to In 28-05-2027

SUP03/PO0013 27-05-2027

Scheduled for Production 27-05-2027

(22->25) Survey Completed to Final 27-05-2027

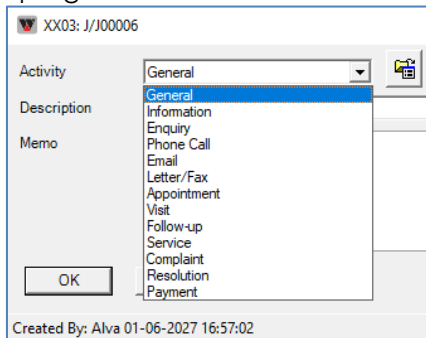
(19->22) Under Survey to Survey 25-05-2027

# Windowmaker 2020 R1

## Release Document



The program has also been enhanced with more Activity types:



### Crystal Reports – Part Images

Reports can now show profile cross-section and fittings images. This helps easily identify correct parts e.g. by operators at the shop floor to pick profiles from racks.

The reports include:

- Production Document
- Load List
- Cutting List
- Cill Cutting Plan
- Specification Summary

Super Quality Windows

Production Document

01-06-2027

Q00055 / 0002

Qty 1

XX01 Stella Aspel

D1/ Living Room

System ER01 Ultimate70 Int. Glz.

Design 311





Description French Door L= RDISiv=

Ref.: D1

Location: Living Room

Size : 1800w X 2150h

Viewed from Outside

Description	Stock No.		Qty	Size	Cut	
<b>ER Main profiles</b>						
Outer Frame Large	EWS006W		2	1806w	1/	
			2	2156h	1/	
T/M / French Mull	EWS002W		1	2040h	[]	
Door Sash - Z	EWS018W		4	852w	1/	
			4	2062h	1/	
Transom/Mullion	EWS022W		2	727w	<>	

Super Quality Windows		Load List		01-06-2027	
Batch 1/ J00040 03-06-2027				Saw station Profile Saw	
Description	Stock No.	Qty	Size	Bars	
<b>Order J00040 Customer XX01 Stella Aspel</b>					
Outer Frame Large	EWS006W			5 x 6000	
<b>Total</b>		22	27088	5	
T/M / French Mull	EWS002W			1 x 2252	
T/M / French Mull	EWS002W			1 x 6000	
<b>Total</b>		3	2497	1 + 1	
Transom/Mullion	EWS022W			1 x 3748	
<b>Total</b>		2	1474	1	
Trans/Mull - Z	EWS003W			1 x 6000	
<b>Total</b>		2	1431	1	
Sash - T (C'mnt)	EWS005W			4 x 6000	
<b>Total</b>		24	18368	4	
Door T Sash	EWS019W			2 x 6000	
<b>Total</b>		8	11696	2	

**Super Quality Windows**  
17 Brighton Road,  
Surbiton, Surrey,  
KT6 5LR, UK



### Specification Summary

To

Stella Aspel

98b St. Paul St,

LONDON,

N1 7DF

UK

Tel. 8451 231252

Email: maria@gmail1.com

Quote No.

Customer Ref.

Quote Date










Sales Person

Q00055

Thomas | +44 (0) 20 8390 4931

sales@wmwindows.com

ER Main profiles

<div>Outer Frame</div> <div>EWS001W</div> 	<div>T/M / French Mull</div> <div>EWS002W</div> 	<div>Tran/Mull - Z</div> <div>EWS003W</div> 	<div>Sash - T (C'mnt)</div> <div>EWS005W</div> 	<div>Outer Frame Large</div> <div>EWS006W</div> 
<div>Door Sash - Z</div> <div>EWS018W</div> 	<div>Door T Sash</div> <div>EWS019W</div> 	<div>Outer Frame</div> <div>EWS021W</div> 	<div>Transom/Mullion</div> <div>EWS022W</div> 	

	Description	Stock No.	
Generic Hardware	Casement Wedge	CasementWedge	
	Cockspur Wedge	CockspurWedge	
	Door Flag/3D Hinge	FLGHNG-WH	
	Frict Hinge L 14" SS	FRHSS14-L	
	Frict Hinge R 14" SS	FRHSS14-R	
	Frict Hinge L 8" SS	FRHSS8-L	
	Frict Hinge R 8" SS	FRHSS8-R	
	FR Door Shootbolt	Shootbolt2	
	Shootbolt Keeper	ShootboltKeep	

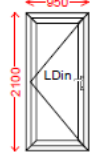





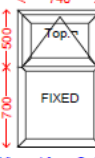



Created with Windowmaker Software

1

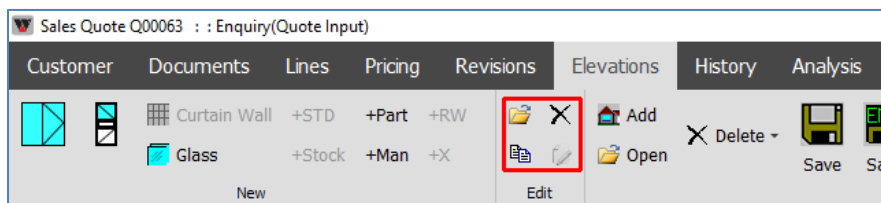
### Crystal Reports - Frame Labels

Frame Labels can now be printed on Avery L7163 stationery (14 labels per sheet or corresponding roll) as well. This makes stationery management easier as one can use the same stationery as used for Profile Labels.

<b>J0051/ 0002/ 1</b> D1 Kitchen  Viewed from Outside 1/ PB20 /F002 /01 15/07/202 Wed	<b>XX05 Tom Shah</b> SY04 Int.Glazed Doors Residoor L <b>950w x 2100h</b> PVC Colour White Outer Frame 72mm Door Z-Sash 112mm 4-12-4 Clear CREF - 0230 U-value 2.70 	<b>J0051/ 0004/ 2</b> W3 Living Room  Viewed from Outside 1/ PB20 /F002 /02 15/07/202 Wed	<b>XX05 Tom Shah</b> ER01 Ultimate70 Int. Glz Casement Right <b>740w x 1200h</b> PVC Colour White Outer Frame 72mm T-Sash (C'mnt) 75mm 4-12-4 Clear CREF - 0230 U-value 2.63 
<b>J0051/ 0003/ 1</b> W2 Bedroom 1  Viewed from Outside 1/ PB20 /F002 /03 15/07/202 Wed	<b>XX05 Tom Shah</b> SYHS Horizontal Sliders Horizontal Slider <b>900w x 1200h</b> PVC Colour White 4-12-4 Clear CREF - 0230 U-value 2.80 	<b>J0051/ 0004/ 1</b> W3 Living Room  Viewed from Outside 1/ PB20 /F002 /04 15/07/202 Wed	<b>XX05 Tom Shah</b> ER01 Ultimate70 Int. Glz 1-OFF <b>740w x 1200h</b> PVC Colour White Outer Frame 72mm T-Sash (C'mnt) 75mm 4-12-4 Clear CREF - 0230 U-value 2.69 

### Elevations

The program now allows to 'Copy' and 'Delete' Sales Lines from the Elevations page. This makes order entry faster. Earlier, these were only possible from the Lines page.

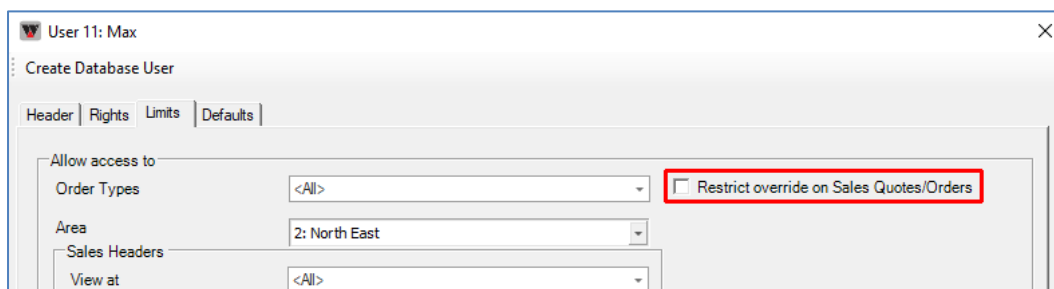


### User Rights

A new User Right "Restrict override on Sales Quotes/Orders" for Order Types is now available. Selecting this disables the Order Type at following places for the user:

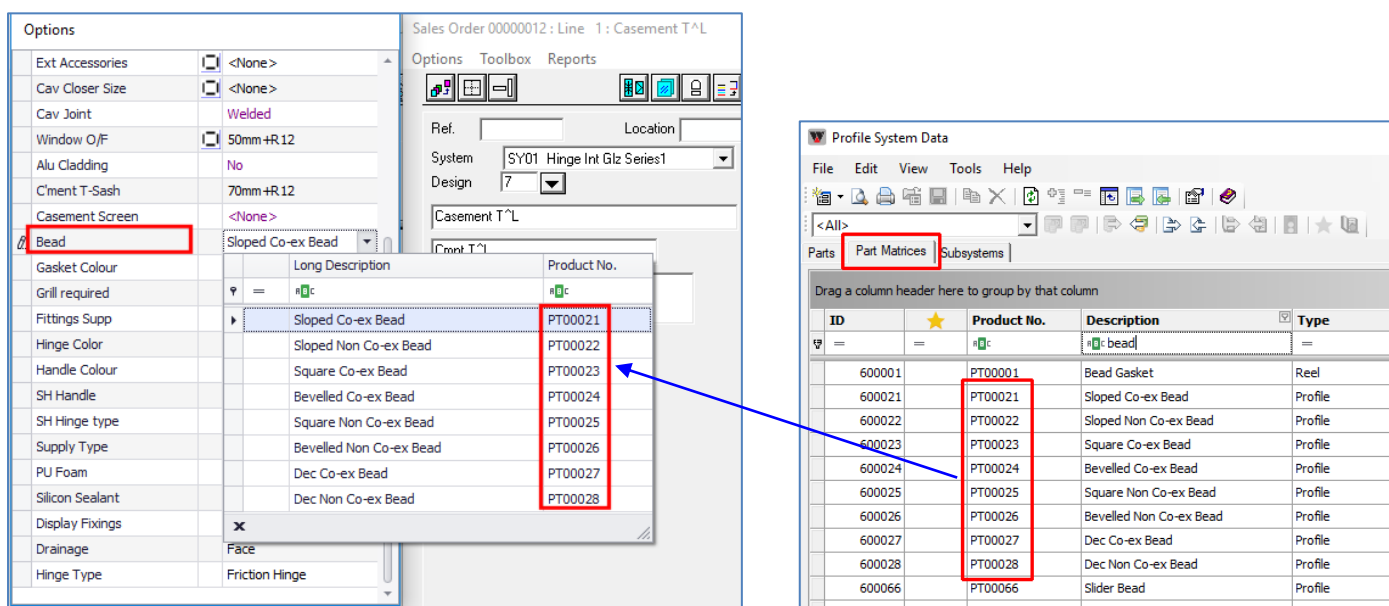
- Sales Quote/Order | Customer page
- Sales Quote/Order | Pricing page: Special Terms
- Creating Remake line

This helps to prevent sales staff changing the order type to an inappropriate one (with a lower mark-up %) in a bid to reduce the order value.



### Part Filter Option Answers

Part Matrices can now be answers to Options of type 'Profiles (Part Filter)' and 'Unit (Part Filter)'. Such Part Matrices can also be set as 'Favourites'. This makes data set-up simpler e.g. for beads, espags, friction stays, strikers etc.

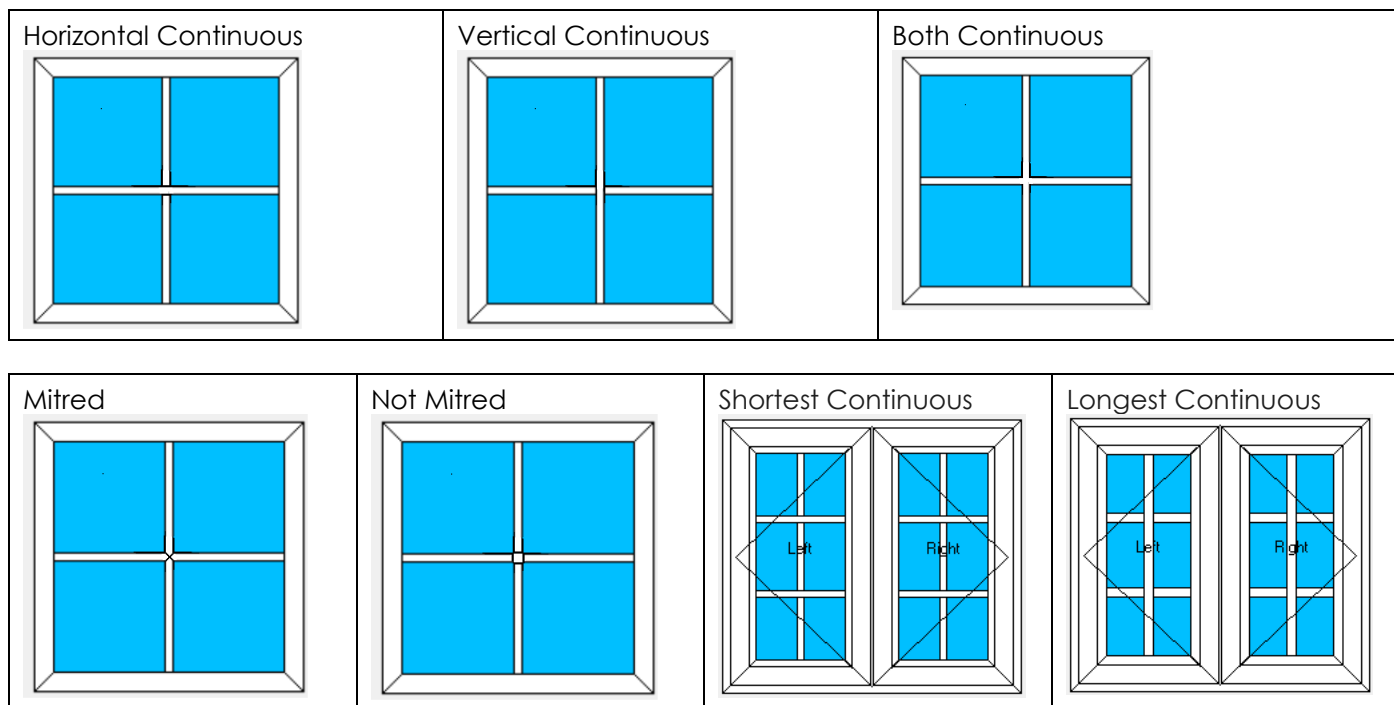




## Enhancement to Options

### Georgian

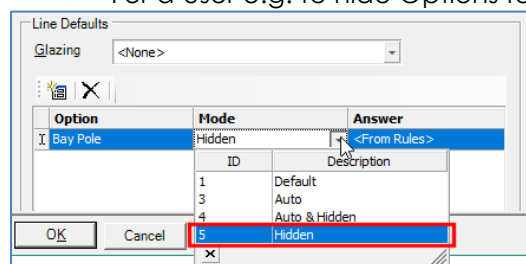
Sales Line graphics now show appropriate graphics to reflect selected crucifix type of Georgian bars. This helps to accurately convey the continuity of Georgians to customers. It also makes manufacturing easier.



### Customer Special Terms

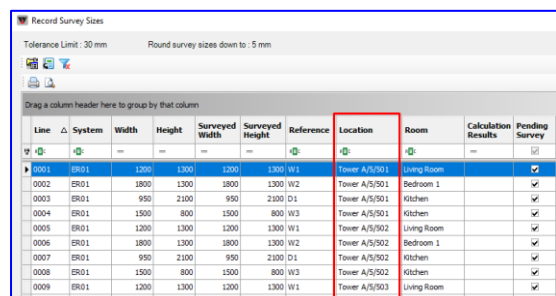
Options can now be set as 'Hidden':

- For a Customer e.g. to hide some Options for a dealer.
- For a User e.g. to hide Options for sales users, that are only relevant to production.



### Commercial Orders, Surveying

Record Survey Sizes dialog now displays the property Location (Area/Floor/ID). This makes identifying Sales Lines easier.



The screenshot shows the 'Record Survey Sizes' dialog box. The table displays survey data with the following columns: Line, System, Width, Height, Surveyed Width, Surveyed Height, Reference, Location, Room, Calculation Results, and Pending Survey. The 'Location' column is highlighted in red.

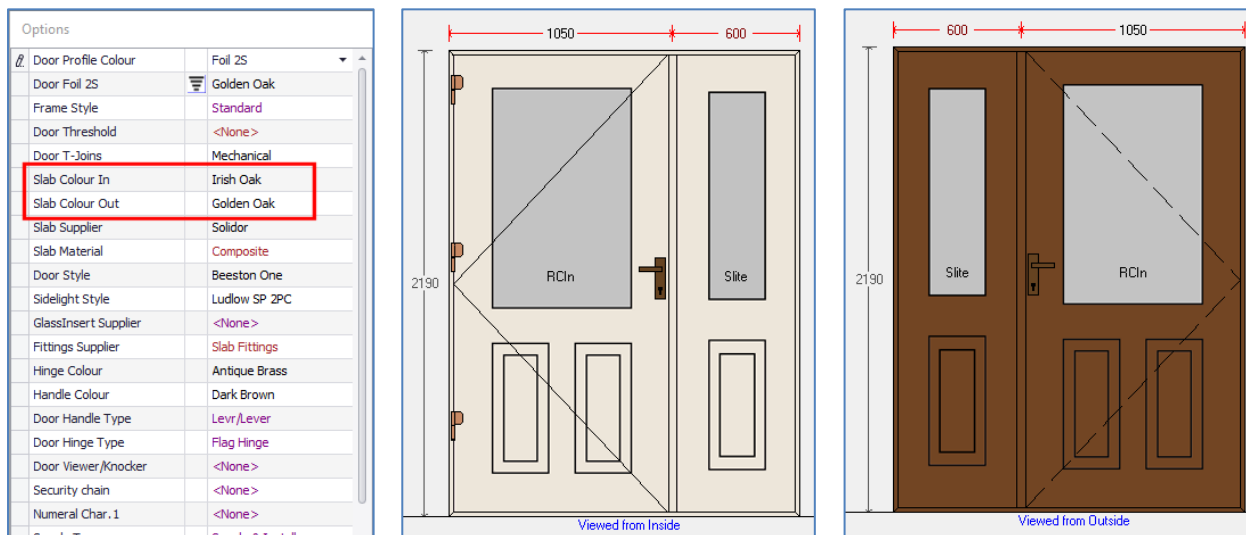
Line	System	Width	Height	Surveyed Width	Surveyed Height	Reference	Location	Room	Calculation Results	Pending Survey
0001	ER01	1300	1300	1300	1300	W1	Tower A/S/001	Living Room		✓
0002	ER01	1800	1300	1800	1300	W2	Tower A/S/001	Bedroom 1		✓
0003	ER01	950	2100	950	2100	D1	Tower A/S/001	Kitchen		✓
0004	ER01	1500	800	1500	800	W3	Tower A/S/001	Kitchen		✓
0005	ER01	1200	1300	1200	1300	W1	Tower A/S/002	Living Room		✓
0006	ER01	1800	1300	1800	1300	W2	Tower A/S/002	Bedroom 1		✓
0007	ER01	950	2100	950	2100	D1	Tower A/S/002	Kitchen		✓
0008	ER01	1500	800	1500	800	W3	Tower A/S/002	Kitchen		✓
0009	ER01	1200	1300	1200	1300	W1	Tower A/S/003	Living Room		✓
0010	ER01	1800	1300	1800	1300	W2	Tower A/S/003	Bedroom 1		✓

### Remakes, Production Scheduling

Remake lines can now be scheduled even if production bottleneck BOM lines are not included. A new setting "Ignore capacity requirement of Remakes for production scheduling" is provided for this. However, if bottlenecks are selected, they will be considered while calculating capacity requirements.

### Entrance Doors

It is now possible to have separate Door Slab finish for inside and outside.



### Dealer Client, Revisions

Revisions and Elevations features are now available in Windowmaker Dealer Client.

### Link to Working Centre (Windowmaker 2020 R1 SP2)

Windowmaker can now generate link to working centre files (\*.WMW) for reinforcements as well.

### Link to Welder

Windowmaker now links to Sturtz Toast Rack Buffer.

### Enhancement to Products

#### Windowmaker Lite (Windowmaker 2020 R1 SP2)

Un-dongled Windowmaker Lite now allows enhanced storage capacity for sales quotes/orders:

Program Level	Max. No. Quotes/Orders	
	Before upgrade	After upgrade
Base version (free)	1	5
Storage Level 1	5	50
Storage Level 2	50	250
Storage Level 3	250	500

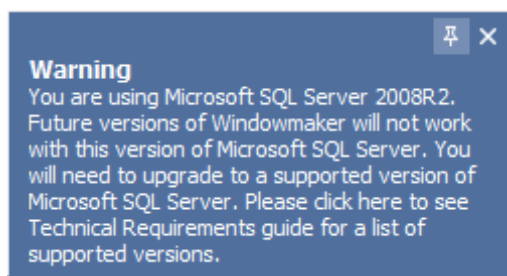
### Breaking Changes

This section lists important behaviour changes, which are introduced in this version. These must be read in order to understand how they might affect your installation & upgrade process.

### General

#### SQL Server 2008 R2

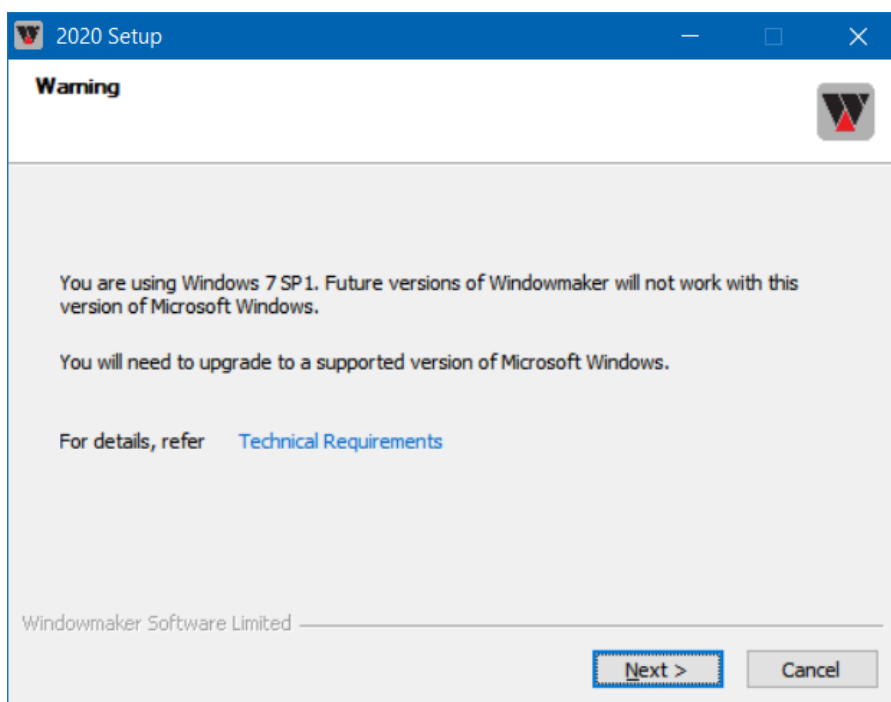
Microsoft has deprecated support to SQL Server/Express 2008 R2. Windowmaker products will stop supporting this in near future. Therefore, we recommend upgrading to the latest SQL version at the earliest. If Windowmaker is run on this server, a warning message to this effect will be displayed at start-up and at every 30 minutes, for Senior Manager and SUPERVISOR users.



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

#### Windows 7 SP1, Windows Server 2008, Windows Server 2008 R2 Operating Systems

Microsoft has deprecated support to Windows 7 SP1, Windows Server 2008 and Windows Server 2008 R2 Operating Systems. Windowmaker products will stop supporting these in near future. Therefore, we recommend upgrading to the latest operating system at the earliest. A warning message to this effect will be displayed while installing Windowmaker on these operating systems. e.g.:




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

### Crystal Reports – Purchase Order, Purchase Order (Entrance Doors), Glass Order

These reports now have a new format consistent with other Windowmaker reports. This improves the readability of the report.

**Super Quality Windows**  
17 Brighton Road,  
Surbiton, Surrey,  
KT6 5LR, UK



### Purchase Order

To		Deliver to			
Clevedon Glass Unit 4 Tweed Road Industrial Estate Clevedon Avon BS21 6RR		17 Brighton Road, Surbiton, Surrey, KT6 5LR UK			
P.O. No.	Order Ref.	Order Date	Due Date		
PO0006	J00036	01-06-2027	31-05-2027		
Order/ Sales Line	Position	Reference	Location	Size	Qty
<b>4-20-4 Clr Tuff K</b>					
J00036/ 0003	X--> /G.A1/1	D03	Garden	811w x 1869h	1
J00036/ 0003	<--X /G.B1/2	D03	Garden	811w x 1869h	1
J00036/ 0003	X--> /G.C1/3	D03	Garden	810w x 1869h	1
J00036/ 0003	<--X /G.D1/4	D03	Garden	810w x 1869h	1
J00036/ 0009	X--> /G.A1/1	D04	Balcony	786w x 1869h	1
J00036/ 0009	<--X /G.B1/2	D04	Balcony	786w x 1869h	1
J00036/ 0009	X--> /G.C1/3	D04	Balcony	785w x 1869h	1
J00036/ 0009	<--X /G.D1/4	D04	Balcony	785w x 1869h	1
J00036/ 0004	X--> /G.A1/1	D03	Dining Area	773w x 1869h	1
J00036/ 0004	<--X /G.B1/2	D03	Dining Area	773w x 1869h	1
J00036/ 0004	X--> /G.C1/3	D03	Dining Area	773w x 1869h	1
J00036/ 0004	<--X /G.D1/4	D03	Dining Area	773w x 1869h	1
J00036/ 0002	FIR /G.A1/1	D03	Bedroom 1 & 2	764w x 2170h	1
J00036/ 0002	RIR /G.B1/2	D03	Bedroom 1 & 2	764w x 2170h	1
J00036/ 0002	FIR /G.C1/3	D03	Bedroom 1 & 2	764w x 2170h	1
J00036/ 0001	FIR /G.A1/1	D03	Bedroom 1 & 2	764w x 2170h	1
J00036/ 0001	RIR /G.B1/2	D03	Bedroom 1 & 2	764w x 2170h	1
J00036/ 0001	FIR /G.C1/3	D03	Bedroom 1 & 2	764w x 2170h	1
					<b>18</b>

### Database Schema Changes

New database tables/views:

Name	Remarks
<b>Tables</b>	
WMProductMappingTable	For a part this will store the filter criteria specified on it. There will be a row per criterion.
<b>Views</b>	
BAT-WM_NOrdersAtInproduction(762)	Manufacturing Dashboard
BAT-WM_NOrdersAwaitingDelivery(763)	
BAT-WM_NOrdersByProduction(758)	
BAT-WM_NOrdersInproduction(757)	
BAT-WM_NOrdersInproductionBySystem(759)	
BAT-WM_NOrdersPendingSurvey(764)	
DEL-WM_NLiveDeliveries(765)	Delivery Dashboard
DEL-WM_NOrdersInDespatch(766)	
DEL-WM_NOrdersInDespatchByDeliveryDate(767)	
DEL-WM_NOrdersInDespatchByRoute(768)	
DEL-WM_NOrdersInProduction(762)	
DEL-WM_NOverdueOrders(769)	
DEL-WM_NSiteFilter(29)	
DEL-WM_NRouteFilter(513)	

INS-WM_NOrdersByStatus(748)	Installation Dashboard
INS-WM_NOrdersNotYetScheduledForInstallation(754)	
INS-WM_NOrdersToBeInstalled(753)	
CUS-WM_NLiveCustomers(743)	Sales Dashboard
CUS-WM_NTopNCustomers(746)_Rb	
ORD-WM_NQuotesByStatus(744)_Rb	
ORD-WM_NSalesByWeek(747)_Rb	
ORD-WM_NSalesOrderCount(742)	
ORD-WM_NSalesQuoteCount(741)	
ORD-WM_NValidOwnerList	
ORD-WM_NSalesByDesign(774)_Rb	Product Dashboard
ORD-WM_NSalesBySystem(773)_Rb	
PUR-WM_NPurchaseBackOrder(780)_Rb	Purchase Dashboard
PUR-WM_NPurchasesDue(777)_Rb	
PUR-WM_NPurchasesLive(778)_Rb	
STK-WM_NStockConsumption(760)	Stock Dashboard
STK-WM_NStockToReorder(761)	
SUR-WM_NOrdersByStatus(748)	Survey Dashboard
SUR-WM_NOrdersNotYetScheduledForSurvey(752)	
SUR-WM_NOrdersToBeSurveyed(750)	

### New Indexes:

Table Name	Index Name	Columns
WMSaleslineTable	idxWMSalesLineTable_3	[StatusID] ASC, [SiteID] ASC, [SalesHeaderID] ASC
WMProduct	idxWMProduct_4	[ProductID] ASC, [CatalogHeaderID] ASC, [ProductType] ASC, [ProductNo] ASC
WMUser	idxWMUser_3	[UserID] ASC, [UserID] ASC, [AreaID] ASC

Other changes specific to each table are as listed below:

Table	Column	Change
WMProduct	CostheadID	Added

## Issues Fixed

### Windowmaker 2020 R1 SP2

#### Order Entry | Manual Sales Line – 1054

The problem with Manual Sales Line becoming non-editable if there was a "\*" in the description is now corrected.

#### Order Entry | Remakes - 850

The issue in Remake Sales lines not listing individual components of Composite Profiles is now corrected. These can now be selected from the list of components.

#### Sales Client | Synchronization – 1952

The problem with first time synchronization failing when data at central server is created with 'First Use' is now resolved.

#### Setup | Parts - 963

It is now possible for Windowmaker Lite users to setup Finish Costs. This is mainly useful for Aluminium profiles. This was not allowed earlier even if the 'Costing, Pricing' option was available to the user.

### Windowmaker 2020 R1 SP1

#### Setup | Prices matrices - 2080899

Price Matrices were corrupted on upgrading to Wm2020 R1. This is now fixed.

#### Order Entry | Sales Line | Wall Pane type - 2079830

It will now always be possible to have a WALL pane type at the bottom in a Sales line where there is a T-join of Couplers.

#### Order Entry | Elevations - 2080772

The problem with the hovering of the mouse also changing the selection of the sales lines on the Wallchart on Elevation tab is now fixed. This earlier caused difficulty in deleting the desired sales lines from this view as the selection kept changing with the mouse movement.

### Windowmaker 2020 R1

#### Order Entry | Remakes - 2080141

Grids in Georgian glass were calculated incorrectly in Remakes. This is now rectified.

#### Order Entry | Dimensions | Equalise Glass- 2080470

Multi-frame sales line with equalised Glass dimensions did not actually calculate the correct equalised sizes. However, on re-opening the Sales line, the dimensions would get changed leading to mistakes in ordering glass. This is now corrected to calculate and display the correct sizes the first time itself.

#### Order Entry | Sales Headers | Reports | Documents - 2079370

The Header information such as Quote/Order No., Date and other details not printing on all the pages of documents such as Quotation, Order Acknowledgement and Invoice when footer texts spanned across multiple pages is now rectified.

#### Order Entry | Sales Lines | Combination Pane Types – 2079663

The problem with the Program displaying the 'Check BOM' warning for certain combination pane types incorrectly is now resolved.

#### Order Entry | Sales Lines - 2078811

An order which was processed in batch can be edited, erasing the Production data without warning the user. This is now rectified by providing a proper warning so that user may not accidentally delete it.

#### Products | Systems | Rules - 2080545

The negative values in the range of a Size type option could not be specified correctly in Rules condition. This is now corrected.

#### Products | Systems | Rules - 1977237

If a GoSub/GoTo rule pointed at a corrupt rule and 'Compact' was performed, some other rule took the position of the corrupt rule, totally modifying the GoSub/Goto rule. This caused the Sales line B.O.M to get changed. This is now corrected so that the corrupt rule is eliminated and the GoSub/GoTo rule now points to no rule. The Sales line therefore remains unaffected by the compacting of the rules.

#### Products | Setup | Costheads – 1868998

The problem with "Supplier Discount %" column on the Costhead not displaying values with the correct decimal places on some machines when "Export" or "Search" operation was performed is now resolved.