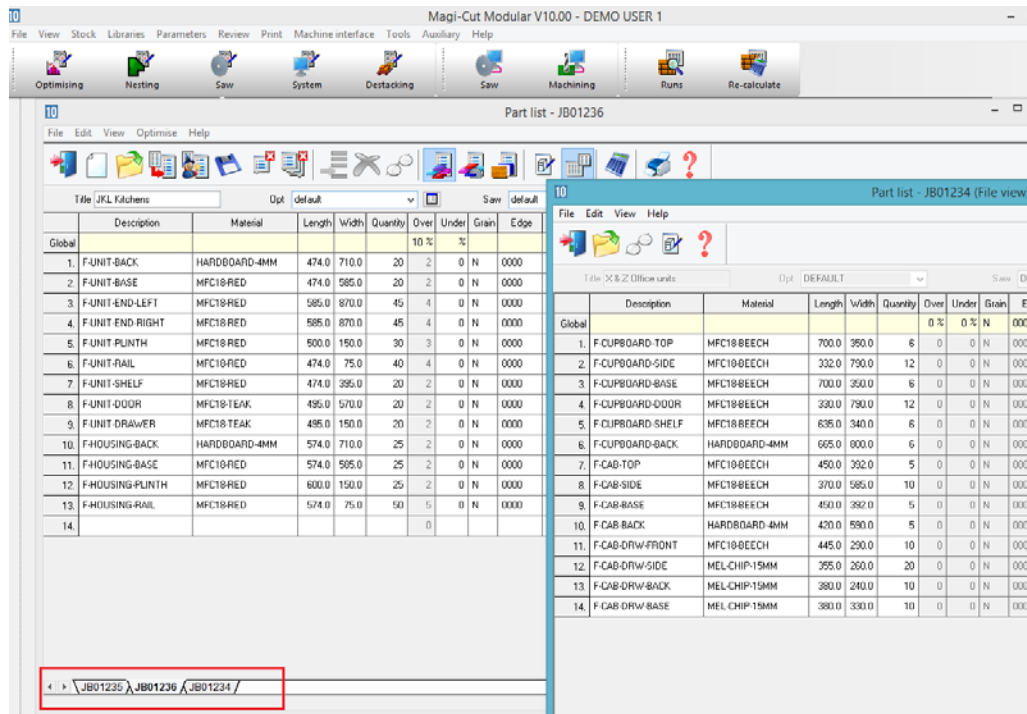


## V10 – What's new

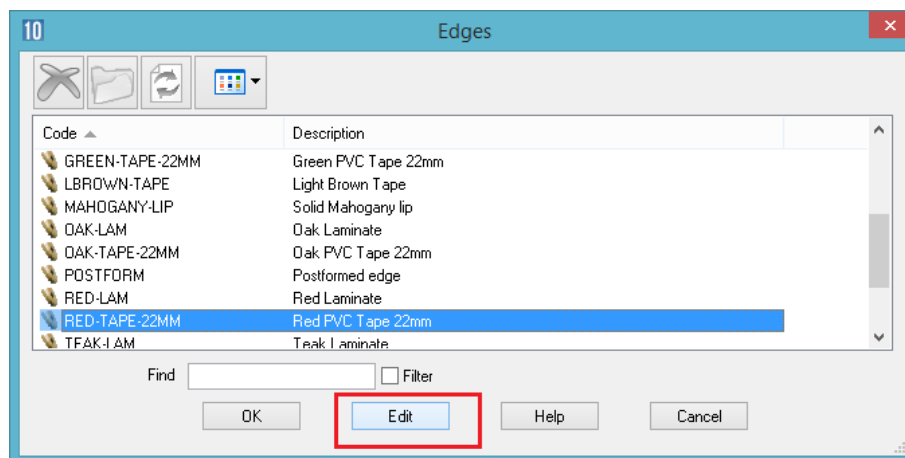
Version 10 is a new major release of Magi-Cut, with many enhancements in the central areas of the software, in particular the part list, board list and review runs. New features include:-

### 1. PART LIST

- Multiple part lists can be open on separate tabs (up to 5) to facilitate copying parts between lists by switching tabs. A further part list can also be open in file view so that two part lists can be viewed together.



- A new edit button has been added to the library selection dialogs. This allows direct editing of pattern, edging and de-stacking libraries from within the part list and cutting list.





- The board list now has a material section which includes material description, material parameters, picture thumbnail, maximum book height and density. Note, that the material details for each board with the same material code will be automatically kept in sync.
- The material picture can be a BMP or JPG file, or set to solid colour.

Board list - Bedroom & bathroom

Title: Example Prod req 03

Global	Board	Type	Material	Length	Width	Thickness	Quantity	Cost	Limit	Bin	Grain	Material				
												Description	Book	Parameters	Picture	Density
1.	HARDBOARD-4MM/01		HARDBOARD-4...	2440.0	1220.0	4.0	771	0.890	0	133	N	Hardboard 4mm	8	HBD04		0.750
2.	MEL-CHIP-18MM/01		MEL-CHIP-18MM	3050.0	1220.0	18.0	933	3.180	0	150	N	Prelaminated - White 18mm	0			0.500
3.	MEL-CHIP-18MM/02		MEL-CHIP-18MM	2440.0	1220.0	18.0	334	3.140	0	151	N	Prelaminated - White 18mm	0			0.500
4.	MFC18-BEECH/01		MFC18-BEECH	3050.0	1525.0	18.0	1702	3.210	0		N	Prelaminated - Beech 18mm	0			0.400
5.	MFC18-BEECH/02		MFC18-BEECH	2440.0	1220.0	18.0	1630	2.960	0		N	Prelaminated - Beech 18mm	0			0.400
6.	MFC18-OAK/01		MFC18-OAK	3050.0	1220.0	18.0	430	3.300	0		N	Prelaminated - Oak 18mm	0			0.400
7.	MFC18-OAK/02		MFC18-OAK	2440.0	1220.0	18.0	109	2.970	0		N	Prelaminated - Oak 18mm	0			0.400
8.	MFC18-RED/01		MFC18-RED	3050.0	1220.0	18.0	30	5.210	0		N	Prelaminated - Red 18mm	0			0.400
9.	MFC18-RED/02		MFC18-RED	2440.0	1220.0	18.0	14	4.820	0		N	Prelaminated - Red 18mm	0			0.400
10.	MFC18-TEAK/01		MFC18-TEAK	2440.0	1220.0	18.0	1020	3.110	0		N	Prelaminated - Teak 18mm	0			0.400
11.	MFC18-TEAK/02		MFC18-TEAK	3050.0	1525.0	18.0	955	3.110	0		N	Prelaminated - Teak 18mm	0			0.400
12.	X00125/0001	X	MFC18-TEAK	780.0	1011.0	18.0	1	1.550	0		N	Prelaminated - Teak 18mm	0			0.400
13.	X00135/0003	X	MFC18-TEAK	564.0	488.0	18.0	2	1.550	0		N	Prelaminated - Teak 18mm	0			0.400
14.	X00148/0001	X	MFC18-TEAK	950.0	620.0	18.0	1	1.550	0		N	Prelaminated - Teak 18mm	0			0.400
15.	MFC18-EBONY/01		MFC18-EBONY	3050.0	1220.0	18.0	805	5.760	0		N	Prelaminated - Ebony 18mm	0			0.400
16.																

- When the board list is extracted from the board library the boards can now be sorted automatically according to a custom sequence.

System parameters

Boards

Board order in automatically created lists:

Board selection from board library

Include offcuts

Create zero dimension boards for missing materials

Include alternative materials  Boards & offcuts

Optimising with an existing board list

Use existing list

Re-select all boards

Append new boards

Prompt before modifying existing list

Board list optimising method

Use one board list per run

Use one board list per batch

Allow re-use of offcuts from earlier runs in the batch

Source for laminates

Edging library

Board library

Board list

Board order in automatically created lists

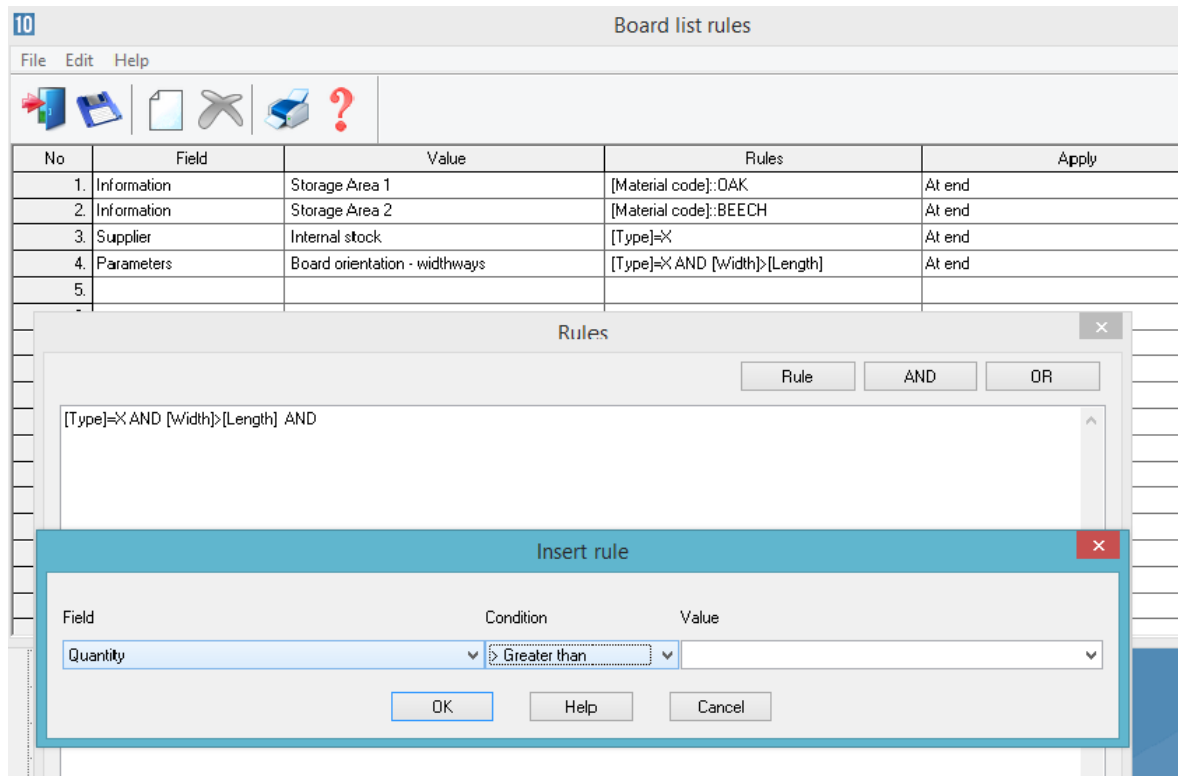
Sort by: Material

Then by: Board

Then by:

OK Cancel

- Board list rules – similar to cutting list rules – the fields in the board list can be set by user-defined rules.



- A new field 'type' has been added to the board list. This is set to 'X' if the board is an offcut size. Board codes no longer need to start with 'X' to designate an offcut. Other board code prefixes can be used but no prefix is needed. The optimiser will only look at the new 'type' field to distinguish an offcut.

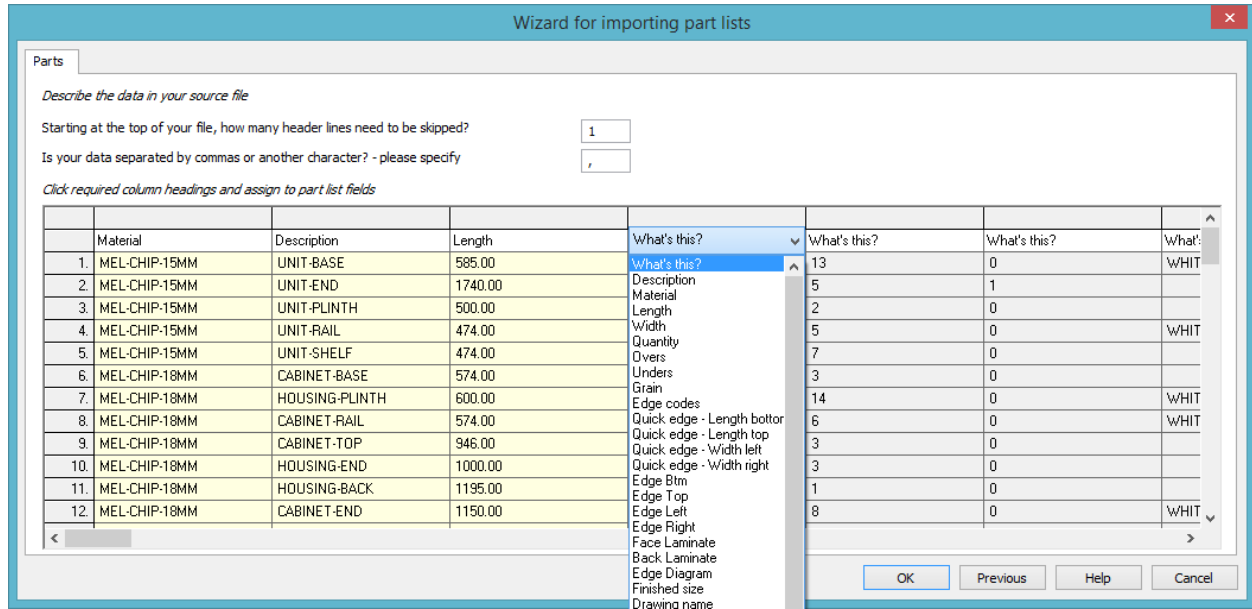
The 'Board list - Bedroom & bathroom' window displays the following table:

	Board	Type	Material	Length	Width	Information	Quantity	Cost	Limit	Bin	Supplier
Global											
1.	HARDBOARD-4MM/01		HARDBOARD-4...	2440.0	1220.0		771	0.890	0	133	General Boards Inc
2.	MEL-CHIP-18MM/01		MEL-CHIP-18MM	3050.0	1220.0		933	3.180	0	150	General Boards Inc
3.	MEL-CHIP-18MM/02		MEL-CHIP-18MM	2440.0	1220.0		334	3.140	0	151	General Boards Inc
4.	MFC18-BEECH/01		MFC18-BEECH	3050.0	1525.0	Storage Area 2	1702	3.210	0		
5.	MFC18-BEECH/02		MFC18-BEECH	2440.0	1220.0	Storage Area 2	1630	2.960	0		
6.	MFC18-OAK/01		MFC18-OAK	3050.0	1220.0	Storage Area 1	430	3.300	0		
7.	MFC18-OAK/02		MFC18-OAK	2440.0	1220.0	Storage Area 1	109	2.970	0		
8.	MFC18-RED/01		MFC18-RED	3050.0	1220.0		30	5.210	0		
9.	MFC18-RED/02		MFC18-RED	2440.0	1220.0		14	4.820	0		
10.	MFC18-TEAK/01		MFC18-TEAK	2440.0	1220.0		1020	3.110	0		
11.	MFC18-TEAK/02		MFC18-TEAK	3050.0	1525.0		955	3.110	0		
12.	X00125/0001	X	MFC18-TEAK	780.0	1011.0		1	1.550	0		Internal stock
13.	X00135/0003	X	MFC18-TEAK	564.0	488.0		2	1.550	0		Internal stock
14.	X00148/0001	X	MFC18-TEAK	950.0	620.0		1	1.550	0		Internal stock
15.	MFC18-EBONY/01		MFC18-EBONY	3050.0	1220.0		805	5.760	0		
16.											

The 'Type' column for rows 12-14 shows 'X'. The dropdown menu for row 15 shows 'Stock board' and 'Offcut' options.

### 3. IMPORT & EXPORT

- Import wizard - ASCII and XLS(X) files may be configured and imported directly within the part list. The external file can be previewed and then the relevant columns assigned to their equivalent part list column.



- Unicode import - part lists, board lists and patterns can be imported – non ANSI characters are replaced with ‘?’.
- Unicode export - reports can be exported in Unicode format

## 4. REVIEW RUNS

- Summaries may be sorted by up to 3 chosen fields
- Totals may be shown at top of each summary

View Settings Summaries Stock Help

Print view  
Zoom  
Grid labels  
Grid lines  
 Totals at the top  
 Runs  
 Recent first  
Filter / group runs...  
Titles

### Pattern summary

Example of large part list

Large part list?///?DEFAULT/?DEFAULT??

Ptn No	Board	Length mm	Width mm	Waste %	Yield %	Board Qty	Qty Cyc	Qty Rip	Qty Xct	Cycle mm:ss	Total hh:mm:ss	Open Parts	Total cuts per pattern
<b>Total</b>				<b>8.10</b>	<b>91.90</b>	<b>740</b>	<b>375</b>	<b>1289</b>	<b>5216</b>	<b>4:56</b>	<b>32:32:00</b>		<b>6505</b>

Average book 2.0 (30.7) Bundle loading and pattern setu... 1:36:45

- The material picture thumbnail can be included on many reports

10 Review runs

File Edit View Settings Summaries Stock Help

Favourites  
Batch reports  
Summaries

Management summary  
Part summary  
Sundry parts  
Board summary  
Pattern summary  
Input summary  
Material summary

### Part summary

Kitchen units

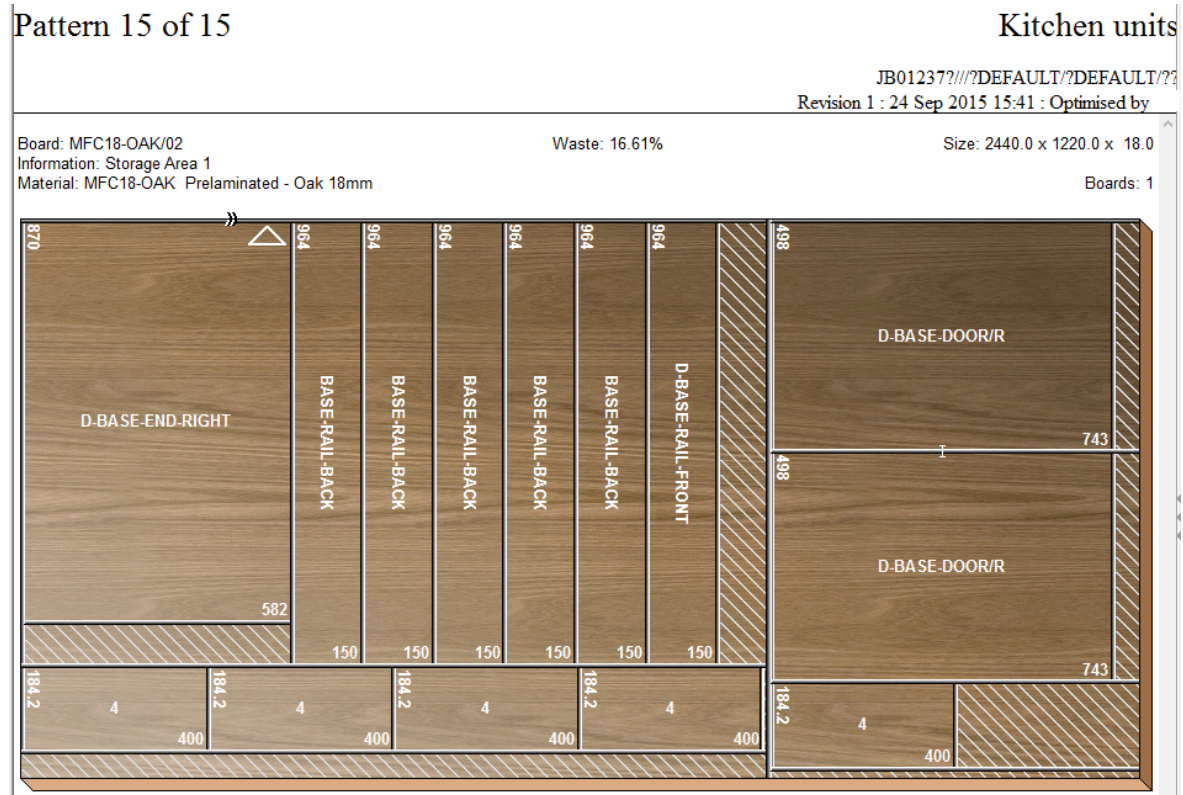
00001?///?DEFAULT/?DEFAULT??

No	Part / Description	Picture	Length mm	Width mm	Total Req	From Stock	Over Under	Total Prod	m2 / Part	Total m2	Material cost /Part	Material cost Total	Weight	Perimeter mm	Cost Saw	Cost Mch
<b>MFC18-BEECH Prelaminated - Beech 18mm Thickness 18.0 Book 5</b>					<b>91</b>	<b>0</b>	<b>91</b>			<b>23.38</b>		<b>84.12</b>	<b>210.44</b>	<b>30.294</b>	<b>14.69</b>	<b>89.20</b>
40.	BASE-DRAWER		500.0	186.3	8	0	8	0.093	0.74	0.40	3.19	5.36	1.373	0.85	3.06	
41.	BASE-DOOR		500.0	554.8	8	0	8	0.277	2.22	1.19	9.51	15.98	2.110	1.29	3.61	
53.	D-BASE-DOOR/L		498.0	743.0	5	0	5	0.370	1.85	1.59	7.93	13.32	2.482	0.96	2.36	
54.	D-BASE-DOOR/R		498.0	743.0	5	0	5	0.370	1.85	1.59	7.93	13.32	2.482	0.96	2.36	
55.	SINK-FALSE-DRAWER		1000.0	186.3	5	0	5	0.186	0.93	0.80	3.99	6.71	2.373	0.90	1.67	
					<b>31</b>	<b>0</b>	<b>31</b>		<b>7.60</b>		<b>32.55</b>	<b>54.69</b>	<b>10.819</b>	<b>4.96</b>	<b>13.06</b>	
<b>MFC18-OAK Prelaminated - Oak 18mm Thickness 18.0 Book 5</b>																
1.	BASE-CABINET-END-LEFT		582.0	870.0	10	0	10	0.506	5.06	1.73	17.33	36.45	2.904	2.22	19.58	
2.	BASE-CABINET-END-RIGHT		582.0	870.0	10	0	10	0.506	5.06	1.73	17.33	36.45	2.904	2.22	19.58	
3.	BASE-CABINET-DRAWER-LONG		900.0	184.3	10	0	10	0.166	1.66	0.57	5.68	11.94	2.169	1.65	4.44	
4.	BASE-CABINET-DRAWER		400.0	184.3	30	0	30	0.074	2.21	0.25	7.57	15.92	1.169	2.68	10.69	
5.	BASE-CABINET-DOOR		400.0	556.8	10	0	10	0.223	2.23	0.76	7.62	16.03	1.914	1.46	4.44	
6.	BASE-CABINET-BOTTOM		864.0	582.0	10	0	10	0.503	5.03	1.72	17.21	36.20	2.892	2.22	13.19	
7.	BASE-CABINET-RAIL-FRONT		864.0	150.0	20	0	20	0.130	2.59	0.44	8.87	18.66	2.028	3.10	8.89	
8.	BASE-CABINET-RAIL-BACK		864.0	150.0	10	0	10	0.130	1.30	0.44	4.44	9.33	2.028	1.56	3.89	
9.	BASE-CABINET-DIVIDER		560.0	533.3	10	0	10	0.299	2.99	1.02	10.22	21.50	2.187	1.68	12.92	
11.	BASE-PLINTH		864.0	125.0	10	0	10	0.108	1.08	0.37	3.70	7.78	1.978	1.51	5.00	
12.	BASE-CABINET-SHELF		464.0	560.0	10	0	10	0.260	2.60	0.89	8.89	18.71	2.048	1.57	0.00	
21.	D-BASE-END-LEFT		582.0	870.0	5	0	5	0.506	2.53	1.73	8.67	18.23	2.904	1.11	9.93	
22.	D-BASE-END-RIGHT		582.0	870.0	5	0	5	0.506	2.53	1.73	8.67	18.23	2.904	1.11	9.93	
24.	D-BASE-BOTTOM		964.0	582.0	5	0	5	0.561	2.81	1.92	9.60	20.20	3.092	1.19	6.04	
25.	BASE-PLINTH		964.0	125.0	5	0	5	0.121	0.60	0.41	2.06	4.34	2.178	0.83	2.64	
26.	D-BASE-RAIL-FRONT		964.0	150.0	5	0	5	0.145	0.72	0.50	2.48	5.21	2.228	0.85	2.43	
27.	BASE-RAIL-BACK		964.0	150.0	5	0	5	0.145	0.72	0.50	2.48	5.21	2.228	0.85	2.08	
28.	BASE-SHELF		964.0	400.0	5	0	5	0.386	1.93	1.32	6.60	13.88	2.728	1.04	0.00	
29.	D-BASE-DOOR/L		498.0	743.0	5	0	5	0.370	1.85	1.27	6.33	13.32	2.482	0.96	2.36	
30.	D-BASE-DOOR/R		498.0	743.0	5	0	5	0.370	1.85	1.27	6.33	13.32	2.482	0.96	2.36	
31.	D-BASE-DIVIDER		40.0	709.0	5	0	5	0.028	0.14	0.10	0.49	1.02	1.498	0.58	2.08	
					<b>190</b>	<b>0</b>	<b>190</b>		<b>47.49</b>		<b>162.57</b>	<b>341.92</b>	<b>48.943</b>	<b>31.35</b>	<b>142.47</b>	
<b>MFC18-RED Prelaminated - Red 18mm Thickness 18.0 Book 5</b>																
57.	D-BASE-END-LEFT		582.0	870.0	30	0	30	0.506	15.19	2.85	85.60	109.36	2.904	6.67	58.19	
58.	D-BASE-END-RIGHT		582.0	870.0	30	0	30	0.506	15.19	2.85	85.60	109.36	2.904	6.67	58.19	
60.	D-BASE-BOTTOM		964.0	582.0	30	0	30	0.561	16.83	3.16	94.85	121.18	3.092	7.11	34.86	
61.	BASE-PLINTH		964.0	125.0	30	0	30	0.121	3.61	0.68	20.37	26.03	2.178	5.01	14.44	
62.	D-BASE-RAIL-FRONT		964.0	150.0	30	0	30	0.145	4.34	0.81	24.45	31.23	2.228	5.13	13.19	
63.	BASE-RAIL-BACK		964.0	150.0	30	0	30	0.145	4.34	0.81	24.45	31.23	2.228	5.13	11.11	
64.	BASE-SHELF		964.0	400.0	30	0	30	0.386	11.57	2.17	65.19	83.29	2.728	6.28	0.00	
65.	D-BASE-DOOR/L		498.0	743.0	30	0	30	0.370	11.10	2.09	62.56	79.92	2.482	5.69	12.78	

Advanced  
Patterns  
Machining  
Custom

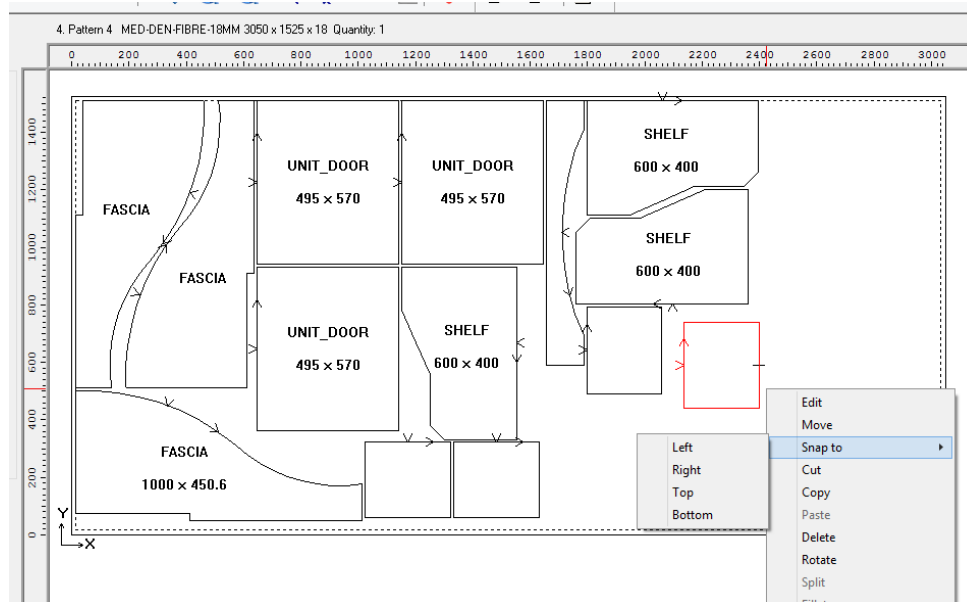
Part summary (Parts - Req and Prod)

- Pattern enhancement - choice of font and size for annotating part description and dimensions on pattern, and enhanced display of pattern drawing using bitmap or JPG file with image of material. Pictures can be scaled according to board size. The full pattern and pattern preview pictures can be set independently allowing colour coding to be used in one view and material picture in the other.

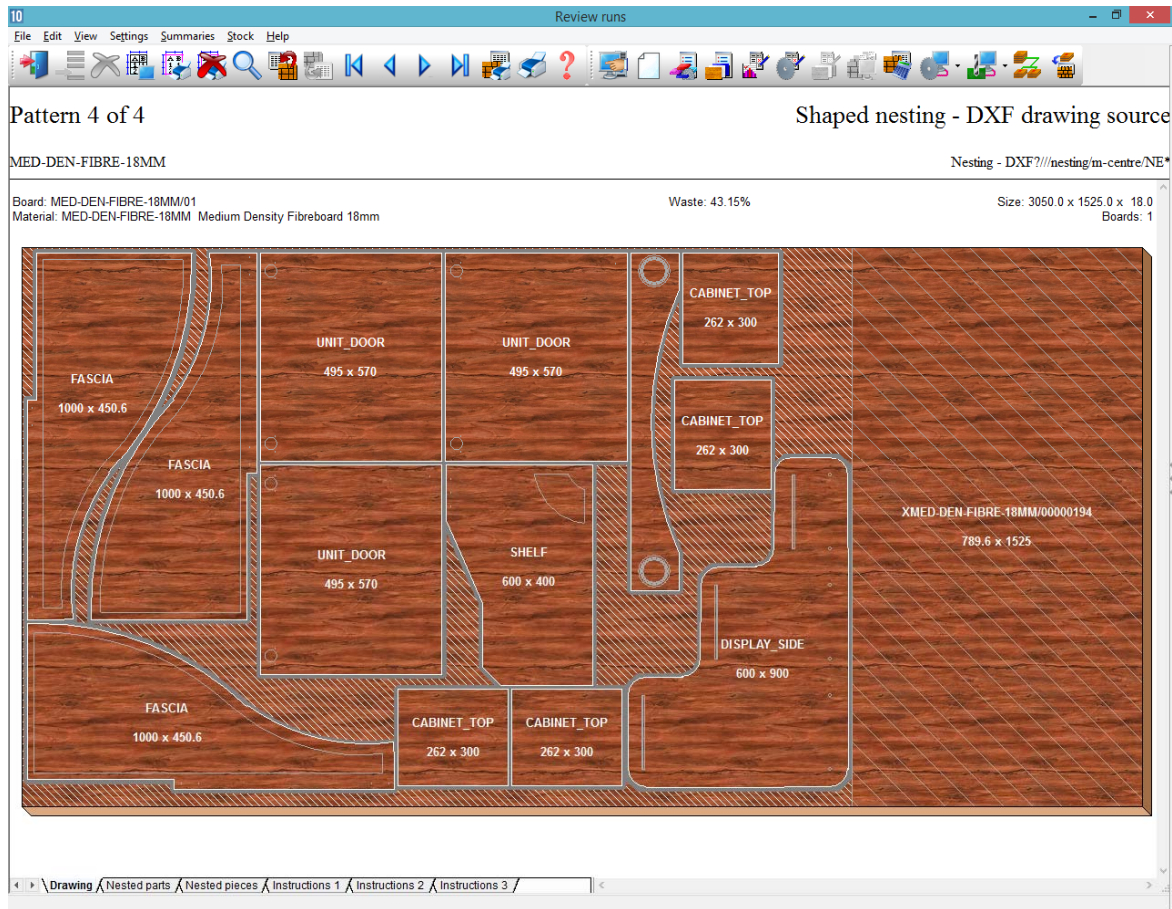


## 5. NESTING

Nested pattern editor – allows snap up, down, left or right to near shapes obeying minimum part separation.



- Nested patterns can now be displayed showing picture of material.



- Nesting optimiser – shape nesting 2 – support for strict priority optimisation within each sheet
- Nesting optimiser – shape nesting2 – obeys type 9 stock limit on boards –ie. Exceed stock when no other boards available



## 6. SAW INTERFACE

- Saw transfer – option in review runs to transfer a single run (instead of whole batch) to saw

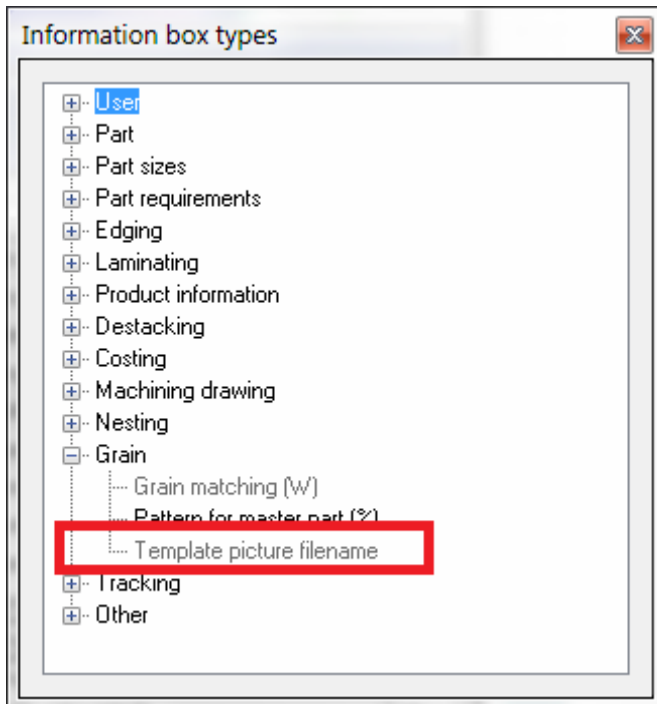
The screenshot shows the 'Review runs' application window. The 'Management summary' window is open, displaying a table with columns: 'by', 'm2', 'm3', 'Weight', 'Percent', 'Rate', 'Cost', and 'Kitchen & bedroom-'. The table contains several rows of data. A context menu is open over the first row, with 'Transfer to saw' highlighted. A sub-menu is also open, showing options like 'Holzma Cadmatic III', 'Holzma Cadmatic IV', 'ASCII Pattern Export', 'Online label PC', 'DXF for saw', and 'Cutting Centre'.

by	m2	m3	Weight	Percent	Rate	Cost	Kitchen & bedroom-
32	10.61	0.19		81.18%			Number of
0	0.00	0.00		0.00%			Headcut
4	1.05	0.02	7.53	8.03%			Rotated
	1.41	0.03		10.79%			Recut
	0.00	0.00		0.00%			Number
4	13.07	0.24	94.09	100.00%			Cutting
							Throughput
							Waste
							Waste (%)
	13.07	0.24		100.00%		39.41	
	0.00	0.00		0.00%		0.00	
	-1.05	-0.02		-8.03%	0.000	0.00	
	12.02	0.22		91.97%		39.41	
hr					50.000	20.56	
32	10.61	0.19	76.39	81.18%	5.652	59.97	

- combiTec – Support for combiTec for single saw - calculation of cutting times for combiTec recut patterns

The screenshot shows the 'Saw parameters - default Single Saw' dialog box. The 'Single saw' tab is selected. The 'Extra time per combiTec recut slot' field is highlighted with a red box. The dialog box contains various settings for the saw, including 'Saw loading' (Front/Rear), 'Pre-stacking table', 'Distance to cutting line', 'Waste flap / waste strip dimensions (mm)', 'Size of waste flap', 'Width of packing strips', 'Min length of packing strips', 'Operating times (Seconds)', and 'Small books'.

- A new information box type 'Template picture filename' has been implemented. This allows the position of the part in a grain match template to be shown on a picture on the part label.



## **7. EDGING LIBRARY**

- Edging module – all the features of the Edging Library (EL) including cutting size adjustment, laminate calculations, edging summary are now included with all optimiser modules (LO, SO, PO, NE).