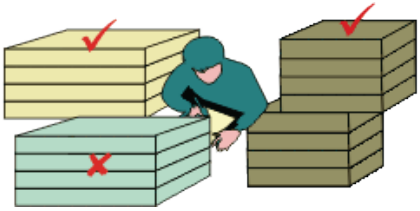
Stock Control – Datasheet SC

For accurate and efficient inventory management



A complete stock system for sheet materials but it can also be integrated with external systems such as the Bargstedt SQL server stock management system.

Offcuts generated in one optimisation can be sent back to the board library for use in later runs with customised cost adjustment.

The exact amount of stock can be reserved for future jobs.

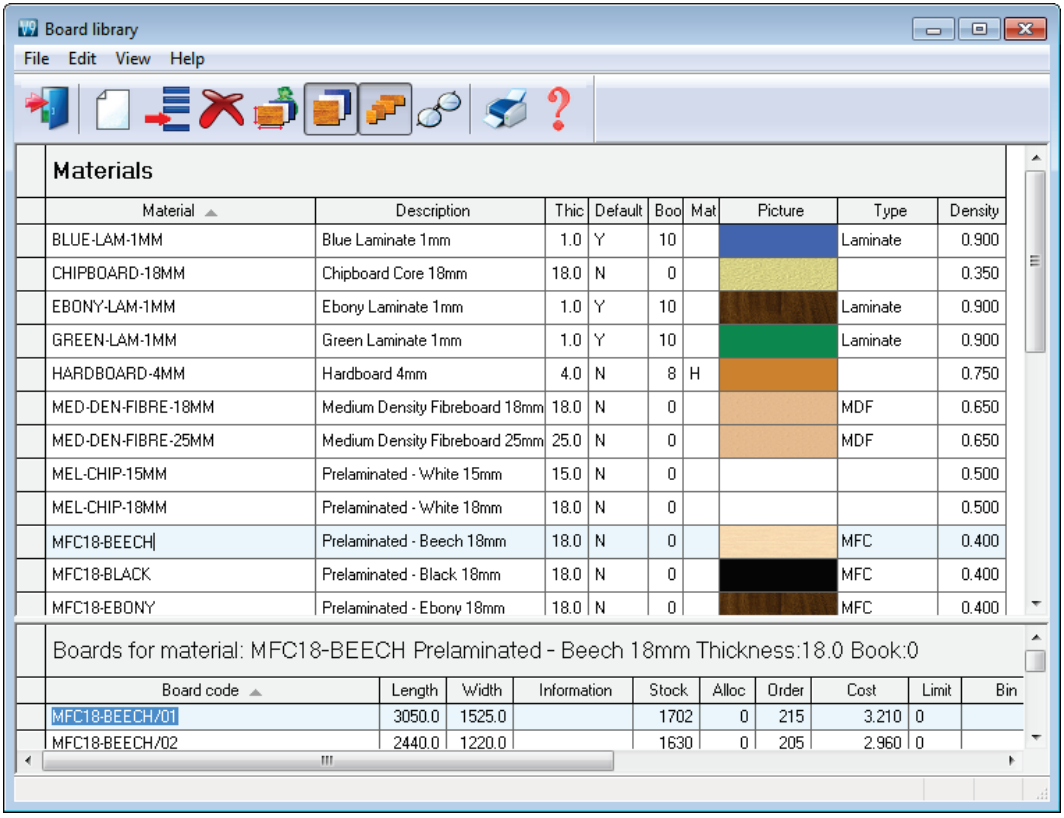
The simplest operation is to control the physical stock in the Board library.

- Optimise run (or batch of runs)
- Issue stock for runs

The sheets required for cutting are removed from the library and any offcuts generated by the run are entered as new items in the library.

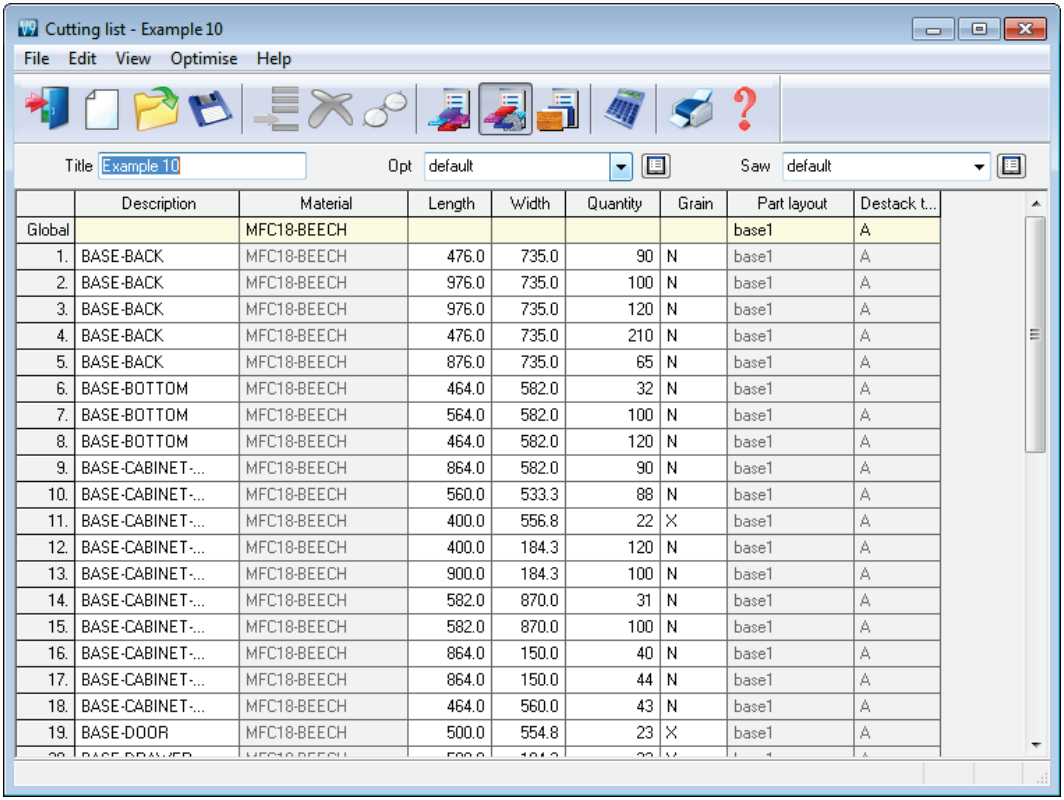
Control physical stock

The board inventory is shown in the Board library.



The material code is a unique identifier for each material. The board code is a unique code for each material and size. The Board library includes offcuts generated from earlier jobs (labelled with **X …**)

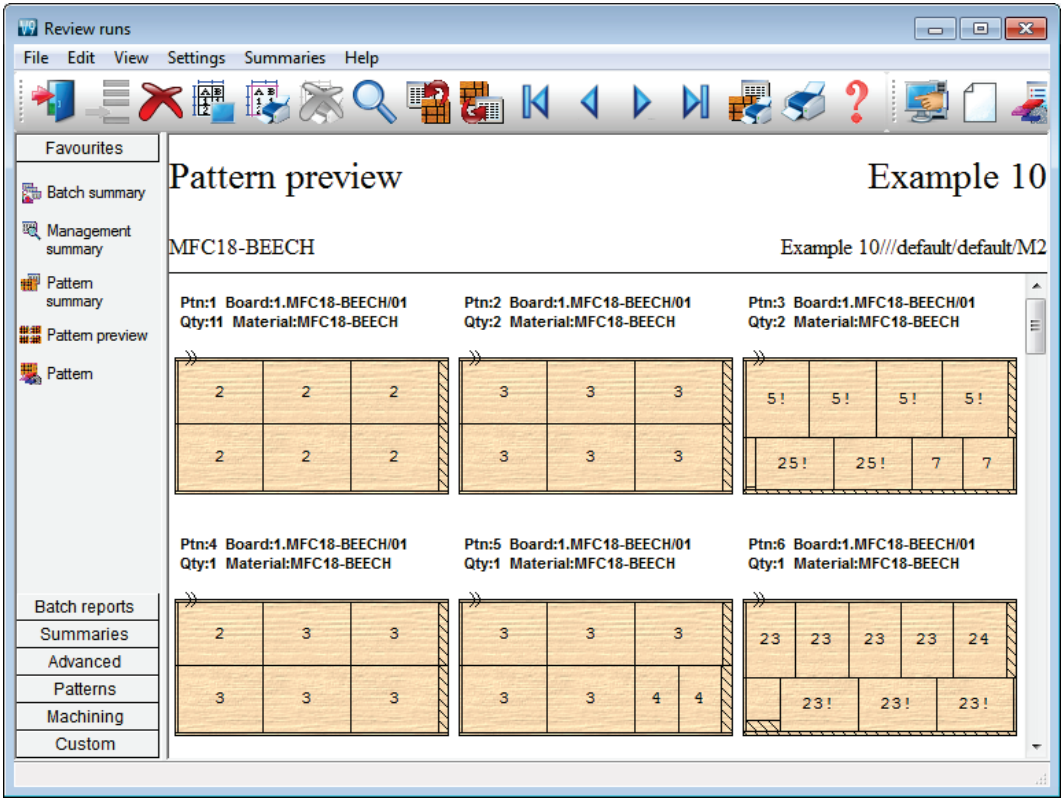
The material code against each part in the part list is used to match up part requirements and materials available.



	Description	Material	Length	Width	Quantity	Grain	Part layout	Destack t...
Global		MFC18-BEECH					base1	A
1.	BASE-BACK	MFC18-BEECH	476.0	735.0	90	N	base1	A
2.	BASE-BACK	MFC18-BEECH	976.0	735.0	100	N	base1	A
3.	BASE-BACK	MFC18-BEECH	976.0	735.0	120	N	base1	A
4.	BASE-BACK	MFC18-BEECH	476.0	735.0	210	N	base1	A
5.	BASE-BACK	MFC18-BEECH	876.0	735.0	65	N	base1	A
6.	BASE-BOTTOM	MFC18-BEECH	464.0	582.0	32	N	base1	A
7.	BASE-BOTTOM	MFC18-BEECH	564.0	582.0	100	N	base1	A
8.	BASE-BOTTOM	MFC18-BEECH	464.0	582.0	120	N	base1	A
9.	BASE-CABINET-...	MFC18-BEECH	864.0	582.0	90	N	base1	A
10.	BASE-CABINET-...	MFC18-BEECH	560.0	533.3	88	N	base1	A
11.	BASE-CABINET-...	MFC18-BEECH	400.0	556.8	22	X	base1	A
12.	BASE-CABINET-...	MFC18-BEECH	400.0	184.3	120	N	base1	A
13.	BASE-CABINET-...	MFC18-BEECH	900.0	184.3	100	N	base1	A
14.	BASE-CABINET-...	MFC18-BEECH	582.0	870.0	31	N	base1	A
15.	BASE-CABINET-...	MFC18-BEECH	582.0	870.0	100	N	base1	A
16.	BASE-CABINET-...	MFC18-BEECH	864.0	150.0	40	N	base1	A
17.	BASE-CABINET-...	MFC18-BEECH	864.0	150.0	44	N	base1	A
18.	BASE-CABINET-...	MFC18-BEECH	464.0	560.0	43	N	base1	A
19.	BASE-DOOR	MFC18-BEECH	500.0	554.8	23	X	base1	A

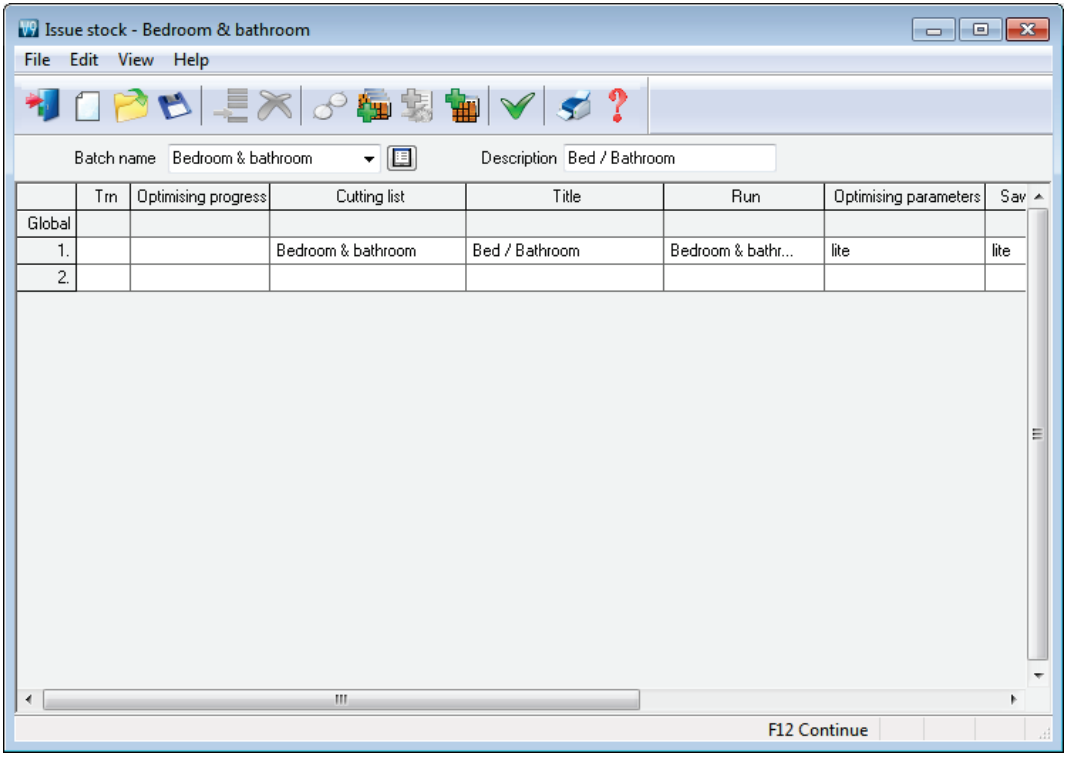
For the above parts the board sizes considered are those matching the material code: MFC18-BEECH.

The quantity of boards required is calculated by the optimization.



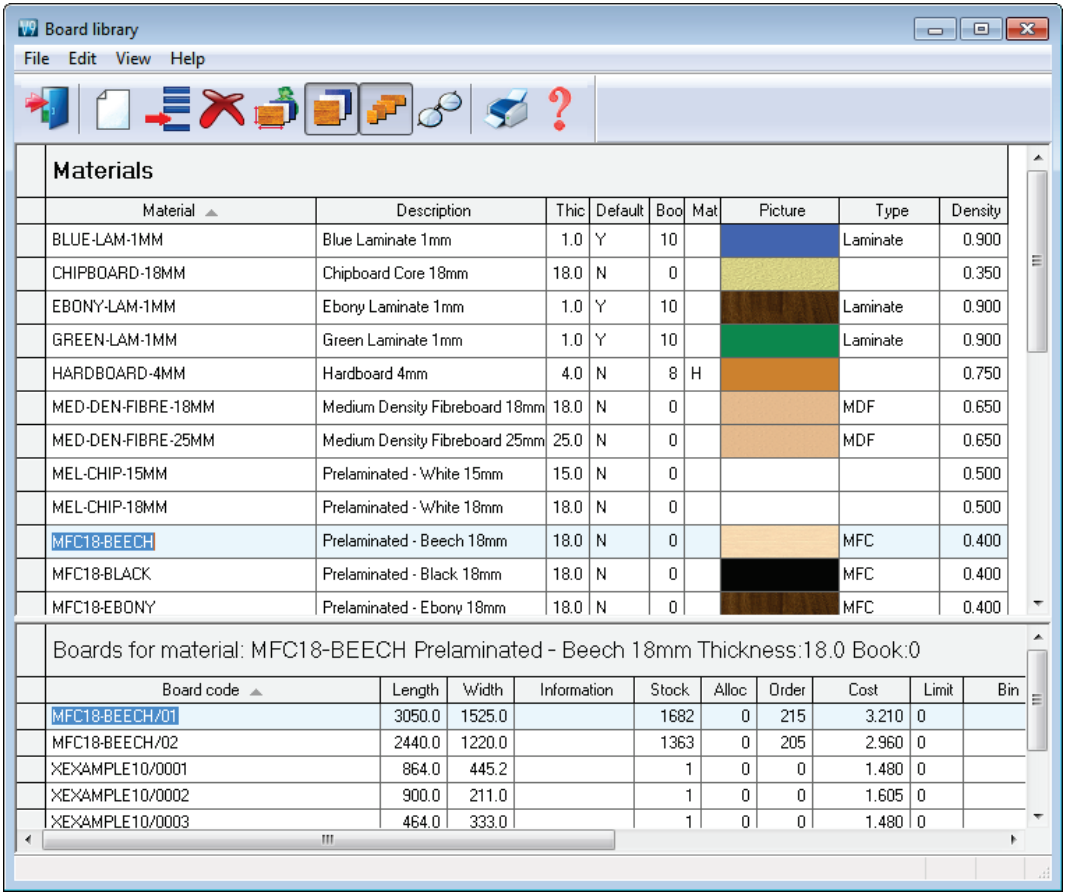
The run can be checked and viewed via 'Review runs'.

Once the run is committed for cutting (data sent to saw) the stock can be updated by the 'Issue stock for runs' options.



The Board library is updated.

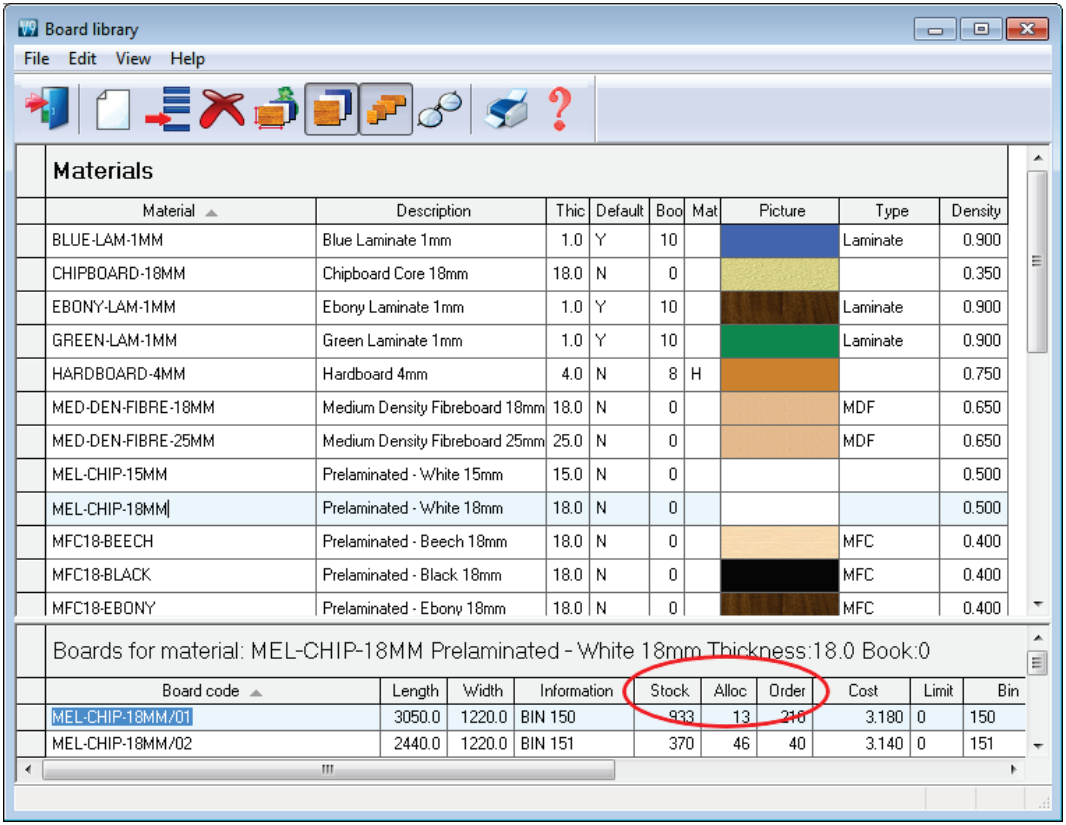
The quantities are adjusted in the board library and any new offcuts added to library.



The program carefully controls the operation of part lists and optimising - once a run has been used for a stock issue it cannot be manually changed or re-optimised

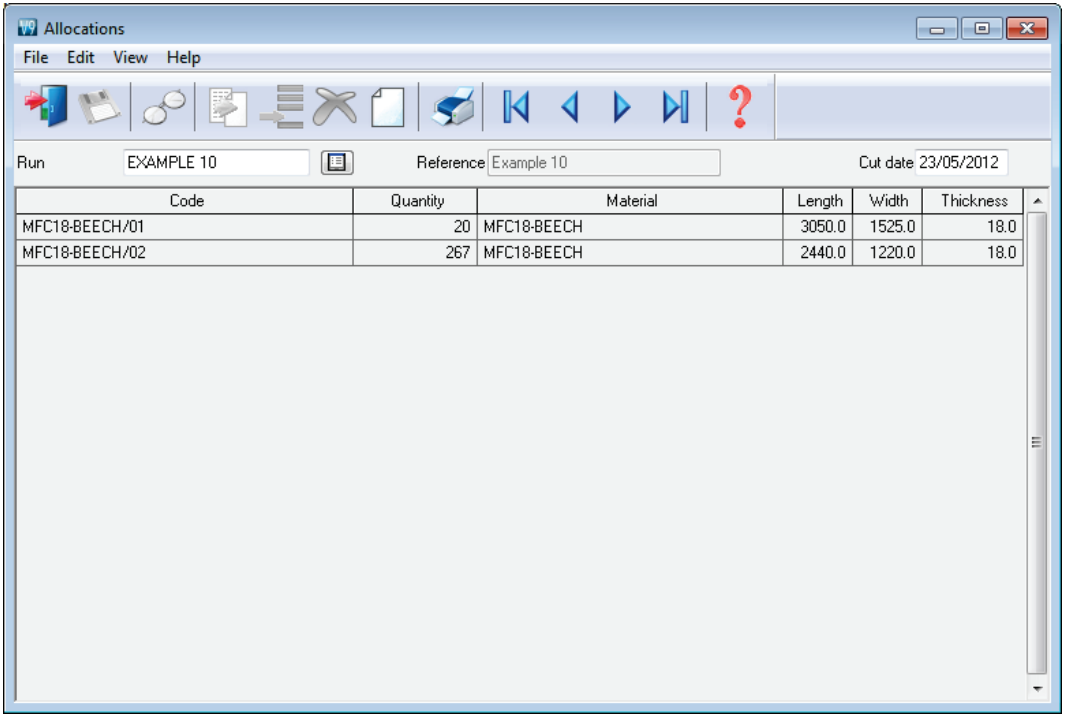
Stock allocation and receipts

The SC module includes a full set of options for the allocation and receipt of stock.



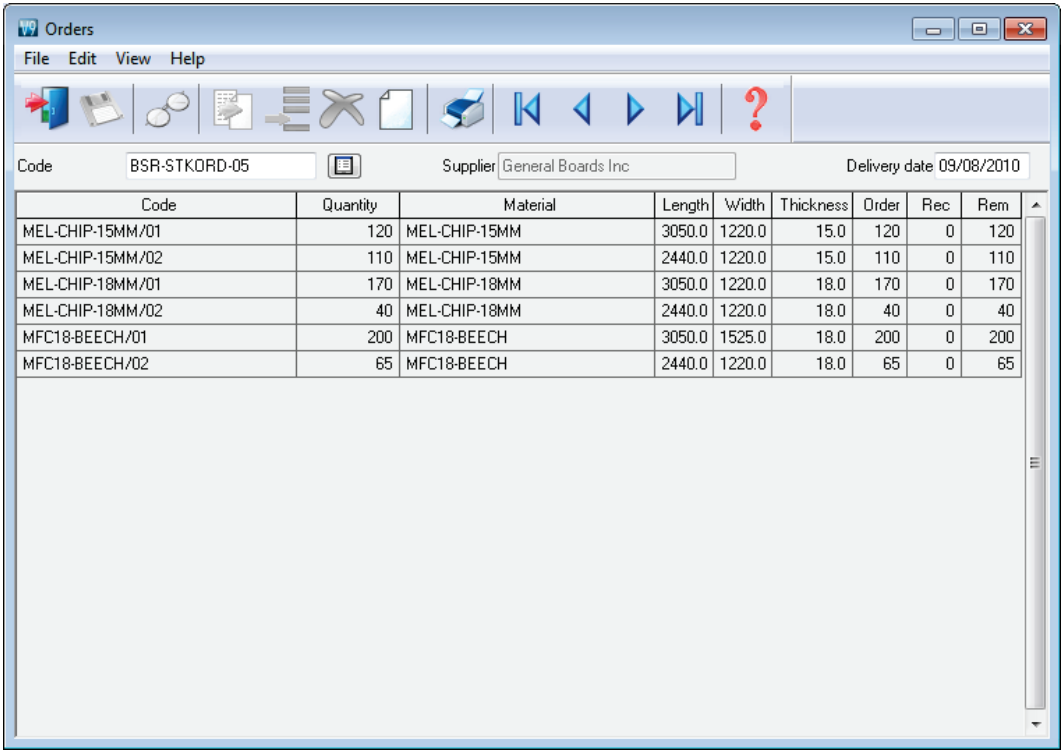
Allocation can be used after optimising to reserve the stock for the job. Receipts are used to record incoming stock and adjust stock levels.

The Board library includes fields for Stock on order and Allocated stock and the optimiser takes account of the allocated stock (reserved stock) when optimising so that reserved stock is not used. A stock allocation screen deals with stock reservation.



Stock deliveries and use can be co-ordinated with the Board library.

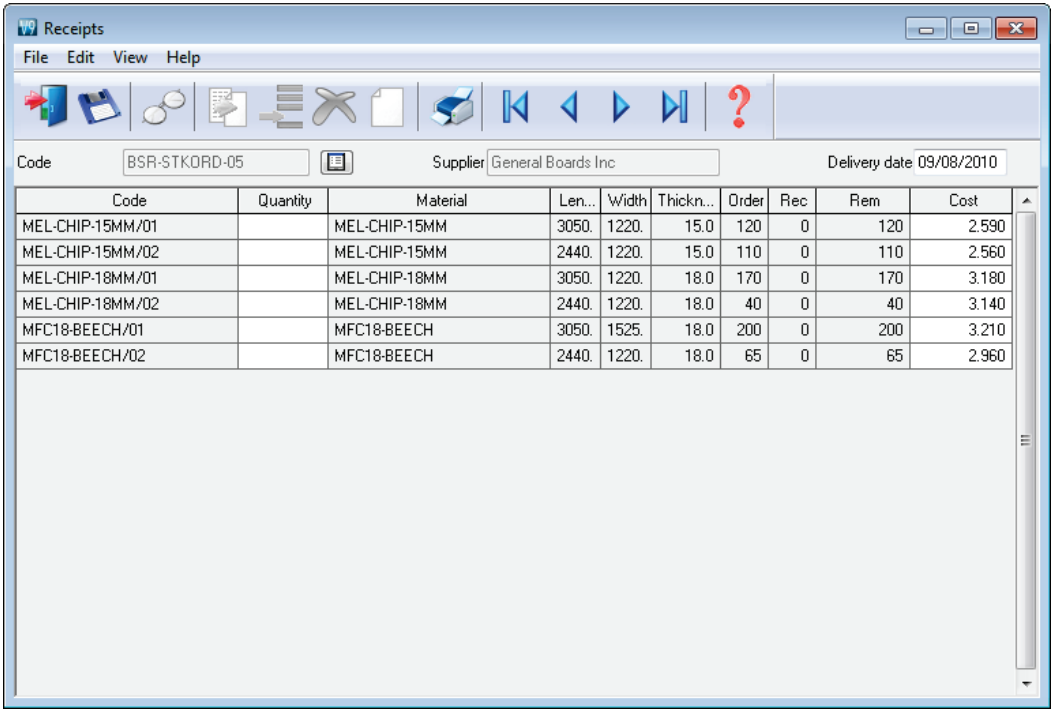
Stock is ordered via the Order screen:-



Code	Quantity	Material	Length	Width	Thickness	Order	Rec	Rem
MEL-CHIP-15MM/01	120	MEL-CHIP-15MM	3050.0	1220.0	15.0	120	0	120
MEL-CHIP-15MM/02	110	MEL-CHIP-15MM	2440.0	1220.0	15.0	110	0	110
MEL-CHIP-18MM/01	170	MEL-CHIP-18MM	3050.0	1220.0	18.0	170	0	170
MEL-CHIP-18MM/02	40	MEL-CHIP-18MM	2440.0	1220.0	18.0	40	0	40
MFC18-BEECH/01	200	MFC18-BEECH	3050.0	1525.0	18.0	200	0	200
MFC18-BEECH/02	65	MFC18-BEECH	2440.0	1220.0	18.0	65	0	65

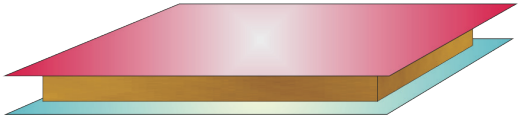
The Orders are stored in a library so a record of each order is maintained.

Stock receipts are recorded in the Receipts screen.



Code	Quantity	Material	Len...	Width	Thickn...	Order	Rec	Rem	Cost
MEL-CHIP-15MM/01		MEL-CHIP-15MM	3050.	1220.	15.0	120	0	120	2.590
MEL-CHIP-15MM/02		MEL-CHIP-15MM	2440.	1220.	15.0	110	0	110	2.560
MEL-CHIP-18MM/01		MEL-CHIP-18MM	3050.	1220.	18.0	170	0	170	3.180
MEL-CHIP-18MM/02		MEL-CHIP-18MM	2440.	1220.	18.0	40	0	40	3.140
MFC18-BEECH/01		MFC18-BEECH	3050.	1525.	18.0	200	0	200	3.210
MFC18-BEECH/02		MFC18-BEECH	2440.	1220.	18.0	65	0	65	2.960

Pre-laminated material - where boards are laminated prior to cutting the stock update automatically keeps track of both core material and laminate material used.

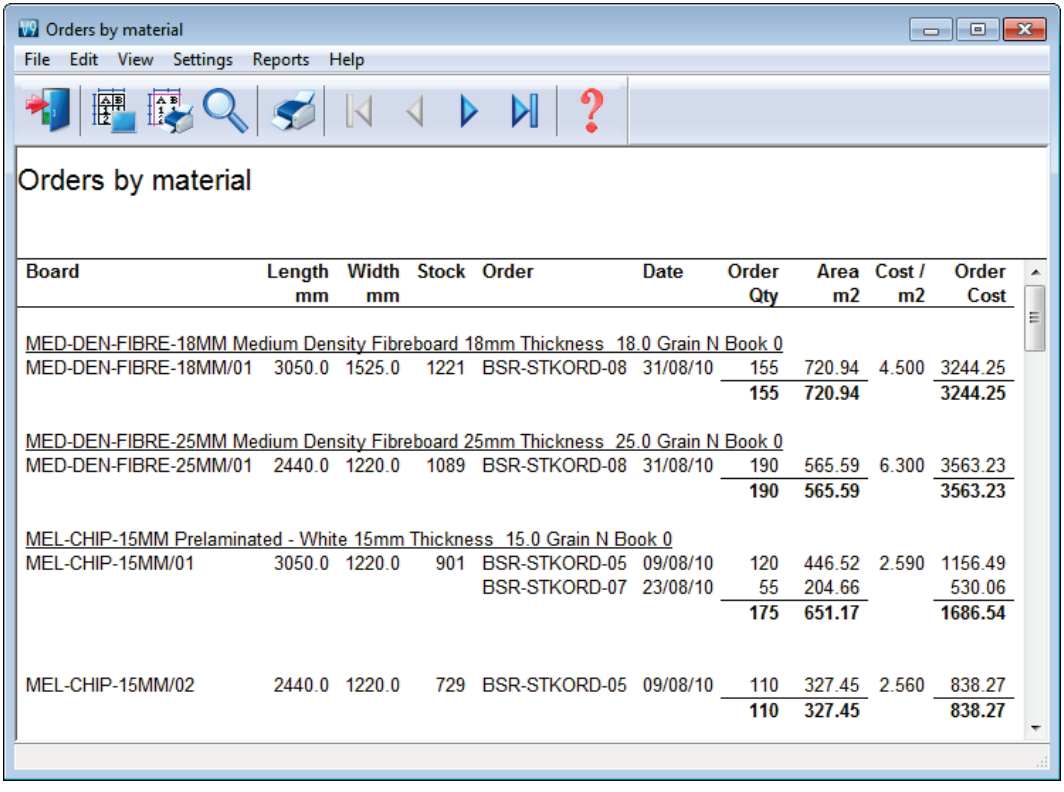


Laminates and core material are stored in the Board library.

Stock reports

A range of reports are available for monitoring the stock process.: Orders by material, Orders by supplier, Allocations by material Stock valuation, Minimum free stock, Monthly material summary, Stock issues summary, Audit trail report, Stock history, End of month/year

Orders by Material



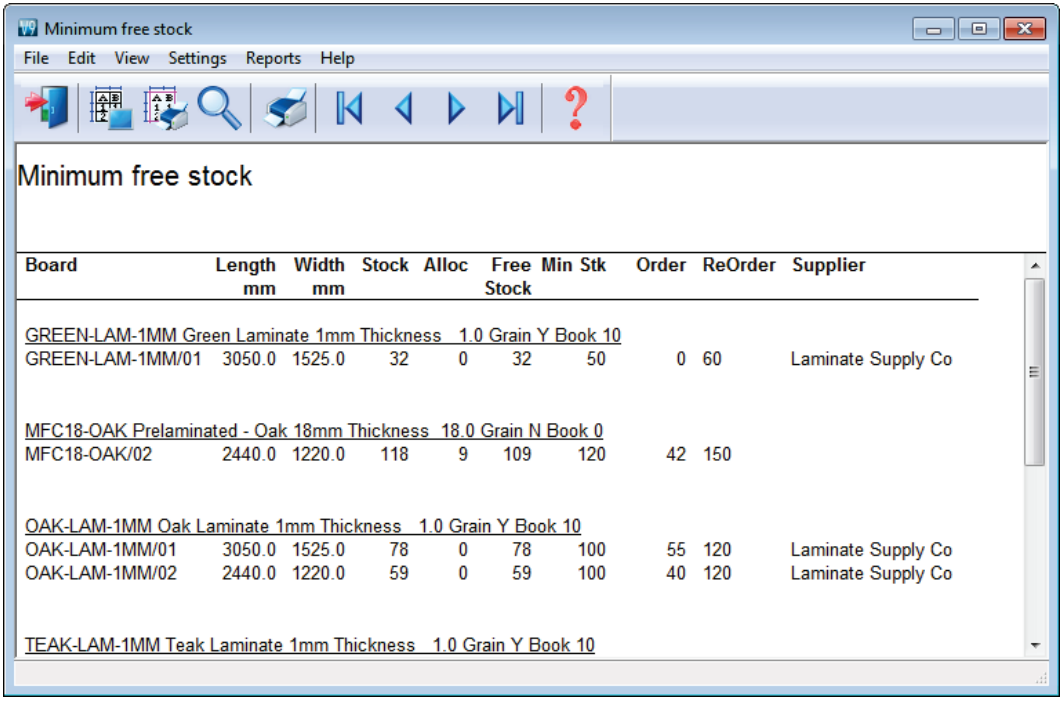
Orders by material

Board	Length mm	Width mm	Stock	Order	Date	Order Qty	Area m2	Cost / m2	Order Cost
MED-DEN-FIBRE-18MM Medium Density Fibreboard 18mm Thickness 18.0 Grain N Book 0									
MED-DEN-FIBRE-18MM/01	3050.0	1525.0	1221	BSR-STKORD-08	31/08/10	155	720.94	4.500	3244.25
						155	**720.94**		**3244.25**
MED-DEN-FIBRE-25MM Medium Density Fibreboard 25mm Thickness 25.0 Grain N Book 0									
MED-DEN-FIBRE-25MM/01	2440.0	1220.0	1089	BSR-STKORD-08	31/08/10	190	565.59	6.300	3563.23
						190	**565.59**		**3563.23**
MEL-CHIP-15MM Prelaminated - White 15mm Thickness 15.0 Grain N Book 0									
MEL-CHIP-15MM/01	3050.0	1220.0	901	BSR-STKORD-05	09/08/10	120	446.52	2.590	1156.49
				BSR-STKORD-07	23/08/10	55	204.66		530.06
						175	**651.17**		**1686.54**
MEL-CHIP-15MM/02	2440.0	1220.0	729	BSR-STKORD-05	09/08/10	110	327.45	2.560	838.27
						110	**327.45**		**838.27**

Each report can be viewed on screen, printed, or sent to a PDF file.

Minimum free stock

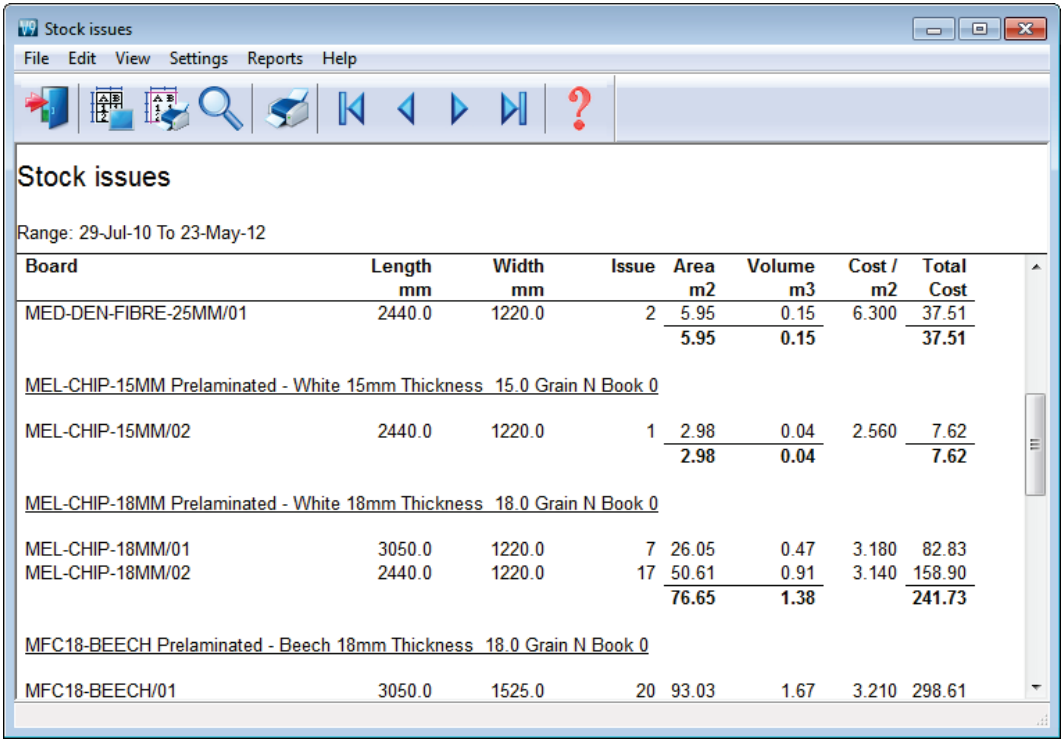
This report is used to check the minimum stock levels.



The minimum and re-order quantity can be set for each sheet size in the Board library.

Stock issues

The issues report show the stock used for cutting.



Board	Length mm	Width mm	Issue	Area m2	Volume m3	Cost / m2	Total Cost
MED-DEN-FIBRE-25MM/01	2440.0	1220.0	2	5.95	0.15	6.300	37.51
				5.95	**0.15**		**37.51**
MEL-CHIP-15MM Prelaminated - White 15mm Thickness 15.0 Grain N Book 0							
MEL-CHIP-15MM/02	2440.0	1220.0	1	2.98	0.04	2.560	7.62
				2.98	**0.04**		**7.62**
MEL-CHIP-18MM Prelaminated - White 18mm Thickness 18.0 Grain N Book 0							
MEL-CHIP-18MM/01	3050.0	1220.0	7	26.05	0.47	3.180	82.83
MEL-CHIP-18MM/02	2440.0	1220.0	17	50.61	0.91	3.140	158.90
				76.65	**1.38**		**241.73**
MFC18-BEECH Prelaminated - Beech 18mm Thickness 18.0 Grain N Book 0							
MFC18-BEECH/01	3050.0	1525.0	20	93.03	1.67	3.210	298.61

The module includes options to consolidate the library at a period end and has a full audit trail. There are also options to manage stock and update costs etc.

All the stock reports can be fully customized and all have print options.

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Orders by material

Board	Length mm	Width mm	Stock	Order	Order Qty	Cost / m2	Order Cost
MED-DEN-FIBRE-18MM Medium Density Fibreboard 18mm Thickness 18.0 Grain N Book 0							
MED-DEN-FIBRE-18MM/01	3050.0	1525.0	1221	BSR-STKORD-08	155	4.500	3244.25
					155		**3244.25**
MED-DEN-FIBRE-25MM Medium Density Fibreboard 25mm Thickness 25.0 Grain N Book 0							
MED-DEN-FIBRE-25MM/01	2440.0	1220.0	1089	BSR-STKORD-08	190	6.300	3563.23
					190		**3563.23**
MEL-CHIP-15MM Prelaminated - White 15mm Thickness 15.0 Grain N Book 0							
MEL-CHIP-15MM/01	3050.0	1220.0	901	BSR-STKORD-05	120	2.590	1156.49
				BSR-STKORD-07	55		530.06
					175		**1686.54**
MEL-CHIP-15MM/02	2440.0	1220.0	729	BSR-STKORD-05	110	2.560	838.27
					110		**838.27**
MEL-CHIP-18MM Prelaminated - White 18mm Thickness 18.0 Grain N Book 0							
MEL-CHIP-18MM/01	3050.0	1220.0	933	BSR-STKORD-05	170	3.180	2011.57
				BSR-STKORD-07	40		473.31
					210		**2484.88**

For this printed report only the Stock quantity is shown. All the data for printed reports can be exported to an external file.

Integration with external stock systems

These days it is quite common for stock and orders etc. to be held in external systems including mechanical stock handling systems. The SC module can be integrated with external systems.

- Full integration with the Bargstedt SQL server materials system
- Import/Export options for materials and boards

- Option to run external linking programs automatically

This later allows the Board library to be kept in sync with external databases.

The board library has a full set of editing options to allow manual adjustments and changes.

Stock control of parts

With the PL module the stock control options include the control of parts so that over produced parts can be stored and taken into account in future lists by reducing the requirement for that part.

Stock control of Fittings and Edging material

With the PL, PQ and EL modules the stock control options include the control of fittings (hardware) items in the Part library and Edging material in the Edging library (solid edging and laminate sheets).

Stock Control summary

Stock control typically requires one of the Optimising modules; LO, SO, PO, NE

	SC	SC + EL	SC + PQ + PL	SC + PL
Stock records	Unlim.	Unlim.	Unlim.	Unlim.
Stock reports (configurable)	•	•	•	•
Export stock data	•	•	•	•
Audit trail	•	•	•	•
Stock control of parts			•	•
Stock control of edging material		•		
Stock control of fittings			•	
Integration with external systems	•	•	•	•
Update stock after optimising	•	•	•	•
Stock orders and receipts	•	•	•	•
Reserve stock	•	•	•	•
Board library (mdb)	•	•	•	•
Integrated local help	•	•	•	•

The Board library is the common Access MDB format.