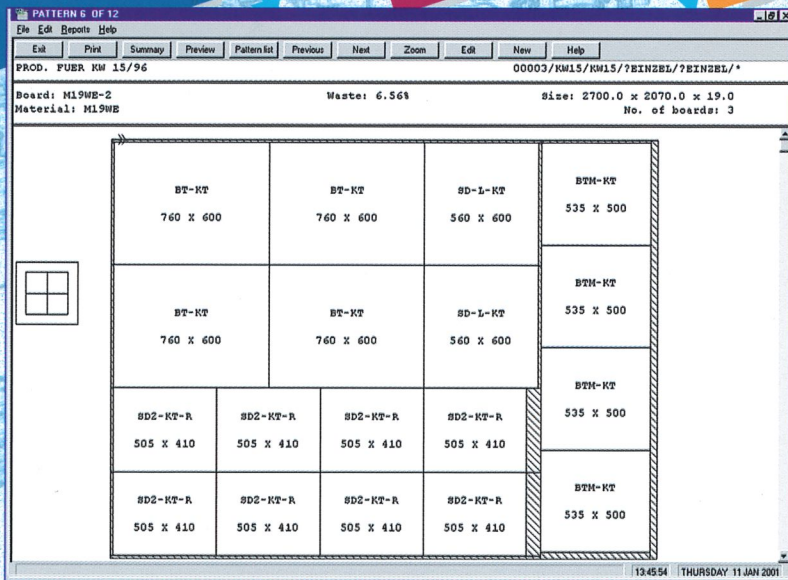


CUT RITE

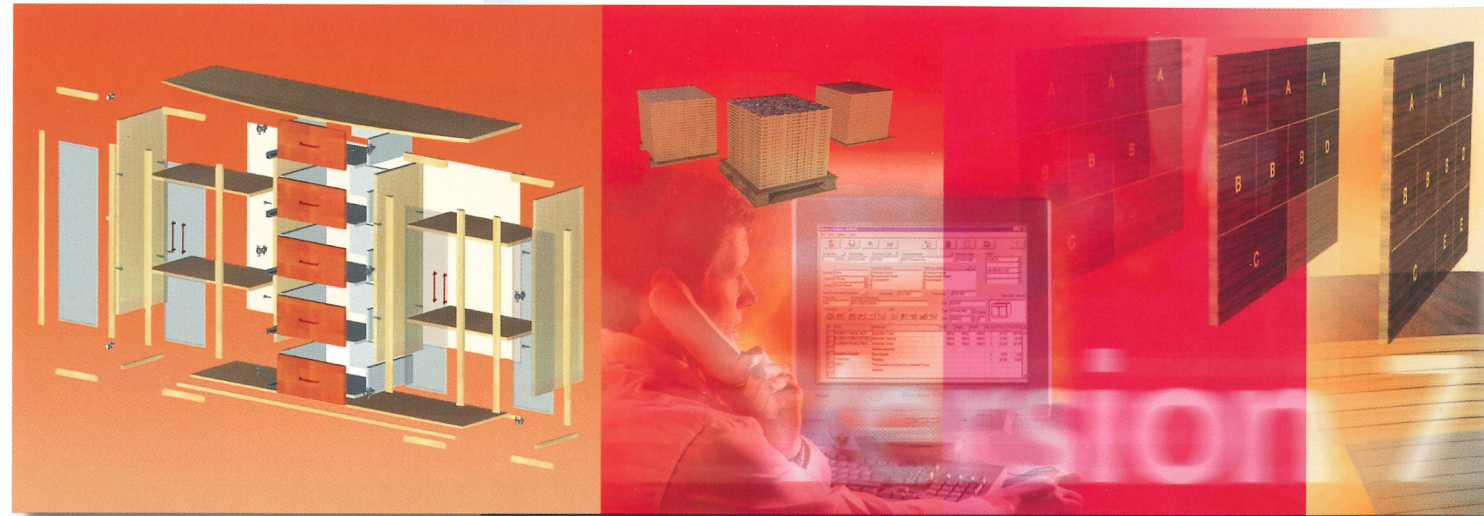
M O D U L A R



Cut Rite

Optimisation and Production Software

Cut Rite Version 7



Now with additional modules and extra capacity, Cut Rite Basic Program offers you the most comprehensive multi-function software yet for the woodworking industry. Written as Windows 32-bit application, it provides the information you need to keep control of costs, cut down on errors and reduce your lead times, every step of the way.

Setting the standards

Since 1982 Cut Rite is constantly developed further by HOLZMA and adapted to the needs of the market for the woodworking industry and setting standards in optimisation and production management techniques ever since. Working closely with machine manufacturers has ensured that our software matches the advances in CNC saws, machining centres and edgebanders. Cut Rite Basic Program in a 32-bit application for Windows 95, 98, NT 4 and 2000.

Cutting edge technology

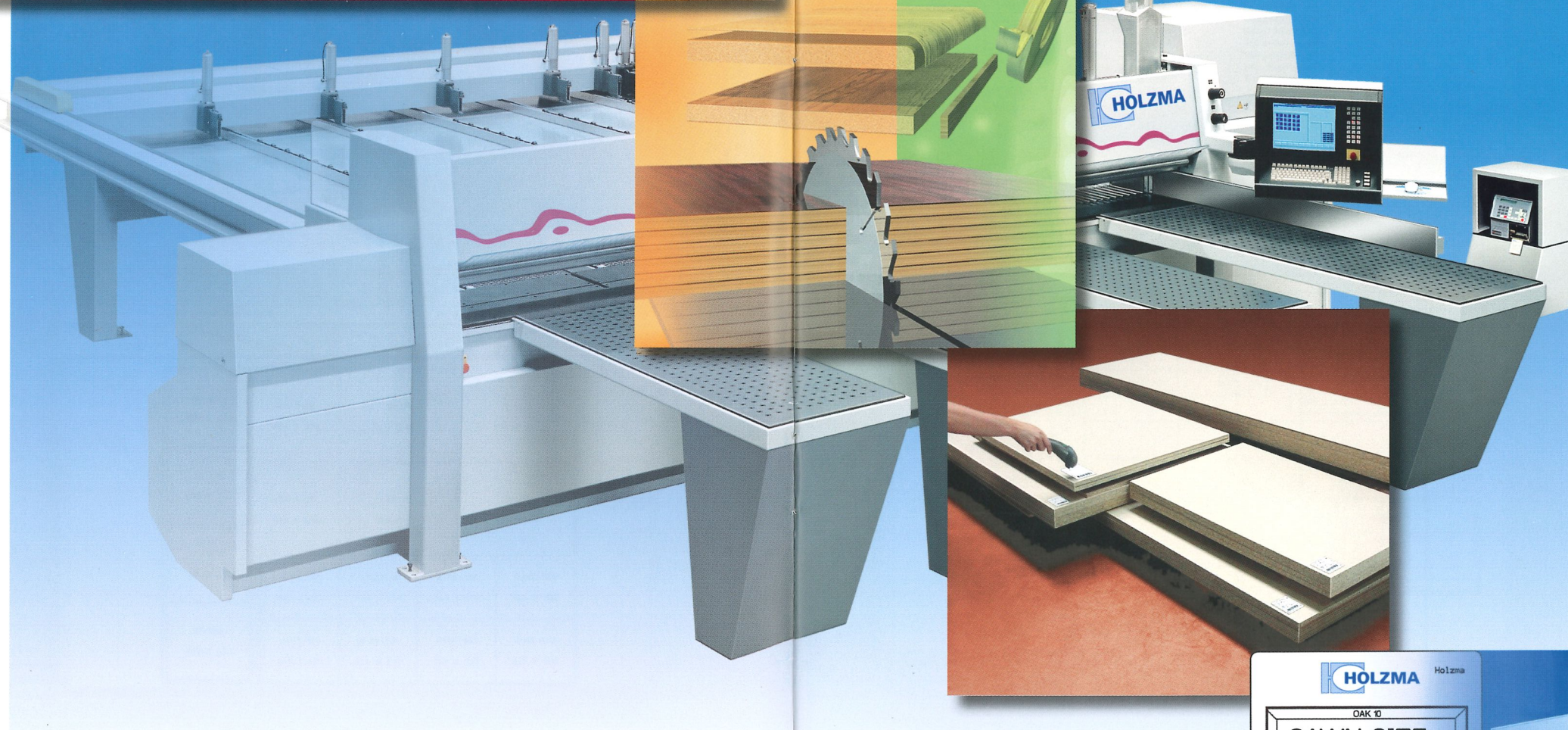
The Cut Rite Basic Program software suite provides you with an integrated solution for far greater efficiency across many selections of your operation. Not only is information instantly available on any project, your original data need only be entered once, giving you a seamless flow from design and quotations through to production and delivery.

Quotations

Quotations are based on optimised sheet material usage and full production cost calculation. Estimating time is cut by up to eighty percent.

Production

Generating efficient cutting patterns for sheet material enables you to reduce raw materials wastage by up to thirty percent. Fast machine set-up increases volume output by up to twenty percent.



Increased efficiency

Higher yield or faster production? Cut Rite Basic Program allows you to choose. To help your company run at full efficiency, Cut Rite Basic Program considers the cost of cutting time relative to savings in raw materials. If you decide on faster production, Cut Rite Basic Program calculates the cost of additional raw material. Either way, you're in full control.

Answering your needs

Cut Rite Basic Program provides the answer you need, in a fraction of the time otherwise spent on manual calculations. It can tell you, for instance, what the best sheet sizes are to purchase. Whether you can use existing offcuts from stock. How long it's going to take to cut, edge and machine the job, or the cost of sheet material, edgebanding and hardware.

For optimum panel sizing you have the choice between the efficient optimiser packages:

- Cut Rite Basic
- Cut Rite Lite
- Cut Rite Lite Pro

The programs are modular structured and expandable. The following modules make Cut Rite so versatile and economical:

- Module:** CAD-Pattern Amendment
- Module:** Part Library and Office Part Labels
- Module:** Product Library and Drawings
- Module:** Stock Control
- Module:** CNC-Drawings and Machine Interface
- Module:** Edging and Laminating
- Module:** Destacking

Build as you go

Cut Rite Basic Program comprises of seven individual modules, enabling you to purchase and implement the software as and when you need. Each is designed for quick and easy operation and includes an extensive help menu. The suite's sheer versatility also enables you to link with other applications and systems using open format import and export utilities. What's more, a network option allows you to share library data across a multi-user environment.



Cut Rite Lite - the right start

Cut Rite Lite is designed for the smaller workshop cutting a high variety of sizes and materials but short run lengths. Typically suitable for sliding table saw or vertical panel saw applications.

- Part lists may include length, width, quantity, and up to 30 fields of user-defined information per part. Each part list can contain a mix of parts of different materials.
- Up to 2000 lines can be imported from other systems, and sorted ready for optimisation. Overproduction may be allowed as a percentage or amount per part, and gain direction may be specified per part.
- Board library – holds index of materials with detailed description and grain indicator, and for each material details of sheet sizes with costs and availability.
- Optimisation – maximum total part quantity (total pieces) per job is 2000.
- Optimisation based on material cost, suitable for small quantity jobs, mainly single sheet cutting.
- Allows for grained or non-grained materials, checkerboard or staggered cutting patterns with head cuts and recuts subject to parameter constraints.
- Summaries – Management summary showing material usage, parts produced, costs and wastage. Further reports include part and board summaries, material summary, pattern summary.
- Features also include a “6-pattern” preview screen. Pattern printout includes full cutting instructions for the saw operator.

PART LIST

File Edit Optimise Help

Exit Save Print Optimise Cutting list Boards Directory Help

File: 00001 Title: Example part list Opt: LITE Saw: LITE

No.	Description	Material	Length	Width	Qty	Over	Under	Gr	Edge	Inf
1.	BUOSHE/LEFT	MEL-CHIP-18MM	585.0	870.0	1				N	TT00
2.	BUOSHE/RIGHT	MEL-CHIP-18MM	585.0	870.0	1				N	000W
3.	BUOSWD-WHITE-DOOR	WHITE-LAM-18MM	495.0	570.0	1				N	UUUU
4.	BUOSHK-BACK	HARDBOARD-4MM	474.0	710.0	1				N	0000
5.	BUOSHB-BASE	MEL-CHIP-18MM	474.0	585.0	1				N	UU00
6.	BUOSHP-PLINTH	MEL-CHIP-18MM	500.0	150.0	1				N	0000
7.	BUOSHR-RAIL	MEL-CHIP-18MM	474.0	75.0	2				N	0000
8.	BUOSHS-SHELF	MEL-CHIP-18MM	474.0	395.0	1				N	0000
9.	BUOSWV-WHITE-DRAWER	WHITE-LAM-18MM	495.0	150.0	1				N	UUUU
10.	SUOSHK-BACK	HARDBOARD-4MM	998.0	745.0	1				N	0000
11.	SUOSHB-BASE	MEL-CHIP-18MM	964.0	595.0	1				N	UU00
12.	SUOSHE/LEFT	MEL-CHIP-18MM	580.0	870.0	1				N	0000
13.	SUOSHE/RIGHT	MEL-CHIP-18MM	580.0	870.0	1				N	0000
14.	SUOSHP-FASCIA	MEL-CHIP-18MM	1000.0	180.0	1				N	000W
15.	SUOSHP-PLINTH	MEL-CHIP-18MM	1000.0	150.0	1				N	0000
16.	SUOSHR-RAIL	MEL-CHIP-18MM	964.0	100.0	2				N	0000
17.	SUOSWD-WHITE-DOOR	WHITE-LAM-18MM	495.0	540.0	2				Y	UUUU
18.	SUOSWD-WHITE-DOOR	WHITE-LAM-18MM	495.0	750.0	1				Y	UUUU
19.	SUOSHK-BACK	HARDBOARD-4MM	474.0	740.0	1				N	0000
20.	SUOSHB-BASE	MEL-CHIP-18MM	464.0	285.0	1				N	UU00
21.	SUOSHS-SHELF	MEL-CHIP-18MM	464.0	195.0	1				N	UU00
22.	SUOSHT-TOP	MEL-CHIP-18MM	464.0	285.0	1				N	UU00
23.	SUOSHE-END	MEL-CHIP-18MM	285.0	750.0	2				N	UU0W

17:36:34 FRIDAY 27 AUG 1999

Part list entry

PATTERN 6 OF 12

File Edit Reports Help

Exit Print Summary Preview Pattern list Previous Next Zoom Edit New Help

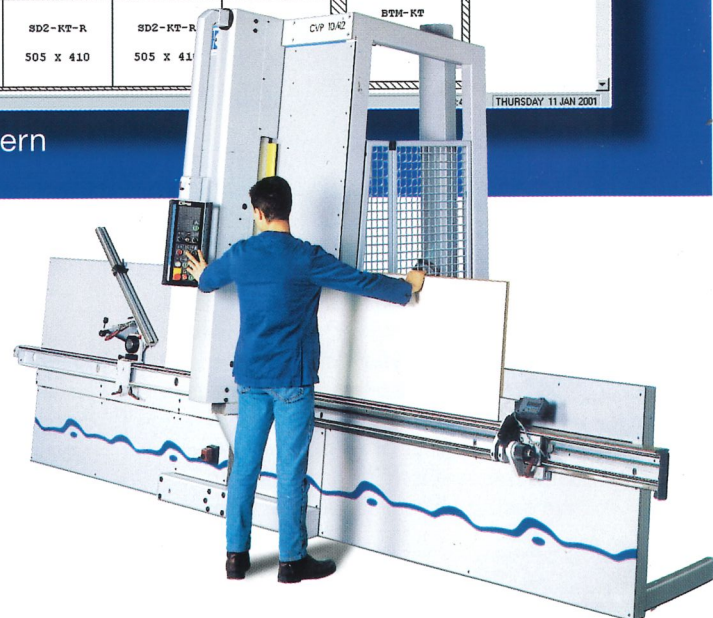
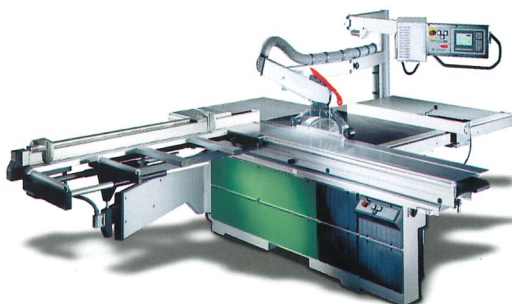
PROD. PUER KM 15/96 00003/KM15/KM15/?EIN2EL/?EIN2EL/*

Board: M19WE-2 Waste: 6.56% Size: 2700.0 x 2070.0 x 19.0
Material: M19WE No. of boards: 3

BT-KT 760 x 600	BT-KT 760 x 600	SD-L-KT 560 x 600	BTM-KT 535 x 500
BT-KT 760 x 600	BT-KT 760 x 600	SD-L-KT 560 x 600	BTM-KT 535 x 500
SD2-KT-R 505 x 410	SD2-KT-R 505 x 410	SD2-KT-R 505 x 410	SD2-KT-R 505 x 410
SD2-KT-R 505 x 410	SD2-KT-R 505 x 410	SD2-KT-R 505 x 410	SD2-KT-R 505 x 410

THURSDAY 11 JAN 2001

Optimised pattern



Based on Cut Rite Lite the Pro-version has additional functions from the base program.

- A wide range of formats for different saw types are supported. Transfer via serial link, floppy disk, or network as supported by the controller at the saw.
- Extensive parameters allow detailed estimates of cutting time for single and multiple axis saw systems, based on saw carriage and program fence speeds and clamp position.
- The cutting times will be considered by the optimiser for minimum overall production cost.
- Additionally, data from the saw can be analysed to monitor saw productivity and provide a shift analysis. Also actual cycle times can be compared with theoretical estimates, and a variance report produced.
- Label design for label printing at the saw (specific saw types only) is included.
- Export of pattern exchange PTX files in ASCII or ACCESS MDB database format with full cutting and labeling information for further analysis or transfer to third-party post-processors.

MANAGEMENT SUMMARY									
File Edit Reports Help									
Exit Print Summary Preview Pattern list Previous Next Zoom Edit New Help									
PROD. FUBER RM 15/96					00003/KW15/KW15/?BIN2EL/?BIN2EL/*				
Material usage	Qty	M2	M3	Percent	Total				
Parts prod.	518	222.19	4.52	84.16%	Number of Patterns	12			
Parts over	180	18.86	0.36	7.14%	Head, rescut ptns	0 4			
Offcuts	1	1.31	0.02	0.50%	Number of Cycles	23			
Scrap		21.64	0.43	8.20%	Cutting length	1044.6			
Core trim		0.00	0.00	0.00%	Throughput (M3 /Hr)	1.9			
Boards	49	264.00	5.33	100.00%	Waste (\$Parts)	9.52\$			
					Waste (\$Boards)	8.69\$			
Estimated costs		Quantity	Rate	Total cost					
Net material used		262.69 M2		2803.96					
Machine time		2:49 hrs	200.00	562.39					
Parts obtained		241.05 M2	13.965	3366.35					

Management summary

PATTERN PREVIEW															
File Edit Reports Help															
Exit Print Summary Preview Pattern list Previous Next Zoom Edit New Help															
EXAMPLE 45					00003/BSR15/BSR15/?STANDARD/?SINGLE/8										
1		HARDBOARD-4IH			2		HEL-CHIP-18IH			3			HEL-CHIP-18IH		
2440.0 x 1220.0		Qty: 6			3050.0 x 1220.0		Qty: 1			2440.0 x 1220.0			Qty: 7		
10	10	10	10	7	7	7	7	7	11	BUOSHE/LEFT!	BUOSHE/LEFT!	11	585 X 870	585 X 870	11
574	574	574	574	7	7	7	7	7		BUOSHE/LEFT!	BUOSHE/LEFT!	11	585 X 870	585 X 870	11
X	X	X	X	7	7	7	7	7		BUOSHE/LEFT!	BUOSHE/LEFT!	11	585 X 870	585 X 870	11
710	710	710	710	7	7	7	7	7		BUOSHE/LEFT!	BUOSHE/LEFT!	11	585 X 870	585 X 870	11
11	11	11	11	7	7	7	7	7							
474 X 710	474 X 710	474 X 710	474 X 710												
1		HEL-CHIP-18IH			5		HEL-CHIP-18IH			6			HEL-CHIP-18IH		
2440.0 x 1220.0		Qty: 7			2440.0 x 1220.0		Qty: 5			2440.0 x 1220.0			Qty: 3		
41	41	3	BUOSHE/LEFT!	585 X 870	11	2	2	4	4	4	4	585	585	585	585
585 X 870	585 X 870	585 X 870	BUOSHE/LEFT!	585 X 870	11	2	2	X	X	X	X	X	X	X	X
585 X 870	585 X 870	585 X 870	BUOSHE/LEFT!	585 X 870	11	2	2	870	870	870	870	870	870	870	870
585 X 870	585 X 870	585 X 870													

Pattern preview

The Basic Program - the comprehensive solution for optimum panel sizing



To maximise efficiency in production you can select between three optimisation programs, depending upon your main field of application. Needing high material output and simple patterns Cut Rite Basic is the correct selection, specially customised for beam saws. If your cutting is mainly single panels and you want to focus on savings, then choose between Cut Rite Lite and Lite Pro according to the size of the jobs.

The Basic Program

The Basic program contains an advanced set of optimising algorithms and can handle the varied requirements of small, medium and large companies. Intended to deal mainly with medium and high volume production, typically where cutting is done with a single axis beam saw, or angle plant.

- Part lists – can hold up to 2000 lines. Maximum quantity per line is 99999. Up to 30 information fields can be held per part.
- Batch optimisation – up to 99 part lists (jobs) may be optimised per batch.
- Optimisation based on material cost (and cutting cost when used with saw interface module).
- Saw parameters and additional constraints determine the most practical cutting patterns for beam saws.
- Parts may be given a priority, so that higher priority parts appear in early patterns.
- Materials parameters enable fine tuning for each material type, and the batch analysis option allows the same job to be compared under different conditions.
- Optimiser types include small, medium and large quantity sheet optimisation, plus strip production, free cut optimisation and cross-cut only, plus destacking optimiser when used with destacking module.
- Summaries – additional summaries include offcut summary, saw loading summary, machine time summary, batch summary and others.

Run	Part File	Part Area	Board Area	Total Time	Total Cost	No. Parts	No. Boards	No. Ptns	No. Cycles	Av. Waste
00010	BSR10	176.85	209.16	0:58	1013.49	203	53	12	14	15.04
00003	BSR15	961.94	1049.70	4:56	3229.29	3814	334	12	63	8.36
00002	BSR20	156.40	184.16	1:30	629.57	640	57	13	14	15.07
00006	BSR50	2199.43	2541.29	5:57	6936.37	5943	825	21	148	13.45
00008	JOB123	2.76	2.98	0:05	13.61	5	1	1	1	7.38
		3497.38	3986.29	13:26	11822.33	10605	1270	59	240	12.26

Batch summary

No.	Description	Length	Width	Total	Area M2	Cost M2	Total Cost
Offcut value - Restocking: 1.58 Cost reduction: 0.00							
HEL-CHIP-18MM Melamine - White 18mm Thk: 15.0 Book: 7							
1.	X00003/0001	819.0	574.0	1	0.470	1.280	0.60
					0.470	0.60	
HEL-CHIP-18MM Melamine - White 18mm Thk: 18.0 Book: 5							
2.	X00003/0002	2440.0	256.4	1	0.626	1.570	0.98
					0.626	0.98	
Total:					1.096	1.88	

Off-cut summary

Ptn	No. boards		No. cycles		Cycle time		Total time		Var
	Est	Act	Est	Act	MM:SS	Est	Act	HH:MM	
Bundle loading & pattern setup time									
							0:14		
1	7	7	1	1	5:18	5:18	0:05	0:05	0:00
2	5	5	1	1	1:45	0:20	0:02	0:00	-0:02
3	10	10	2	2	3:03	2:43	0:06	0:05	-0:01
4	2	2	1	1	2:18	2:08	0:02	0:02	0:00
5	5	5	1	1	5:53	3:55	0:06	0:04	-0:02
6	5	5	1	1	8:19	4:34	0:08	0:05	-0:03
7	5	5	1	1	9:24	5:00	0:09	0:05	-0:04
8	5	5	1	1	4:30	0:20	0:05	0:00	-0:05
9	5	5	1	1	3:35	3:25	0:04	0:03	-0:01
10	4	4	1	1	10:11	6:56	0:10	0:07	-0:03
11	1	1	1	1	5:44	0:20	0:06	0:00	-0:06
12	1	1	1	1	7:09	6:59	0:07	0:07	-0:00
13	2	2	1	1	6:03	2:34	0:06	0:03	-0:03
Total:	57	57	14	14			1:30	0:47	-0:43

Feedback – run analysis

Shift number:	Operator:	No. of cycles:	Start of shift:	End of shift:	Shift time:	Break time:	Material usage	Quantity	Area M2	Percent
1	XXXX	85	08-09-99 15:25	08-09-99 19:25	4:00	0:04	Parts	4762	1263.09	90.77%
							Waste	128.44	128.44	9.23%
							Boards	423	1391.53	100.00%

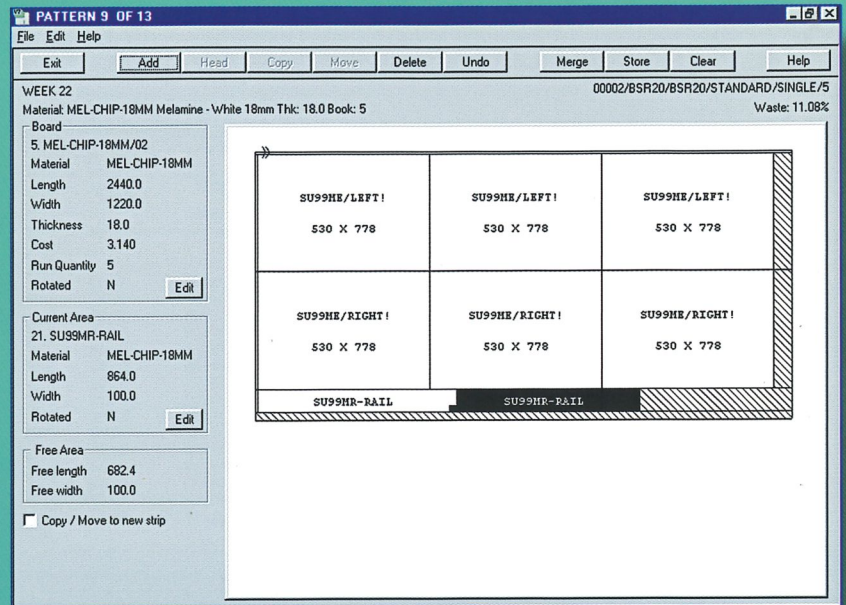
Feedback – shift analysis

- A wide range of formats for different saw types are supported. Transfer via serial link, floppy disk, or network as supported by the controller at the saw.
- Extensive parameters allow detailed estimates of cutting time for single and multiple axis saw systems, based on saw carriage and program fence speeds and clamp position.
- The cutting times will be considered by the optimiser for minimum overall production cost.
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- Label design for label printing at the saw (specific saw types only) is included.
- Export of pattern exchange PTX files in ASCII or ACCESS MDB database format with full cutting and labeling information for further analysis or transfer to third-party post-processors.

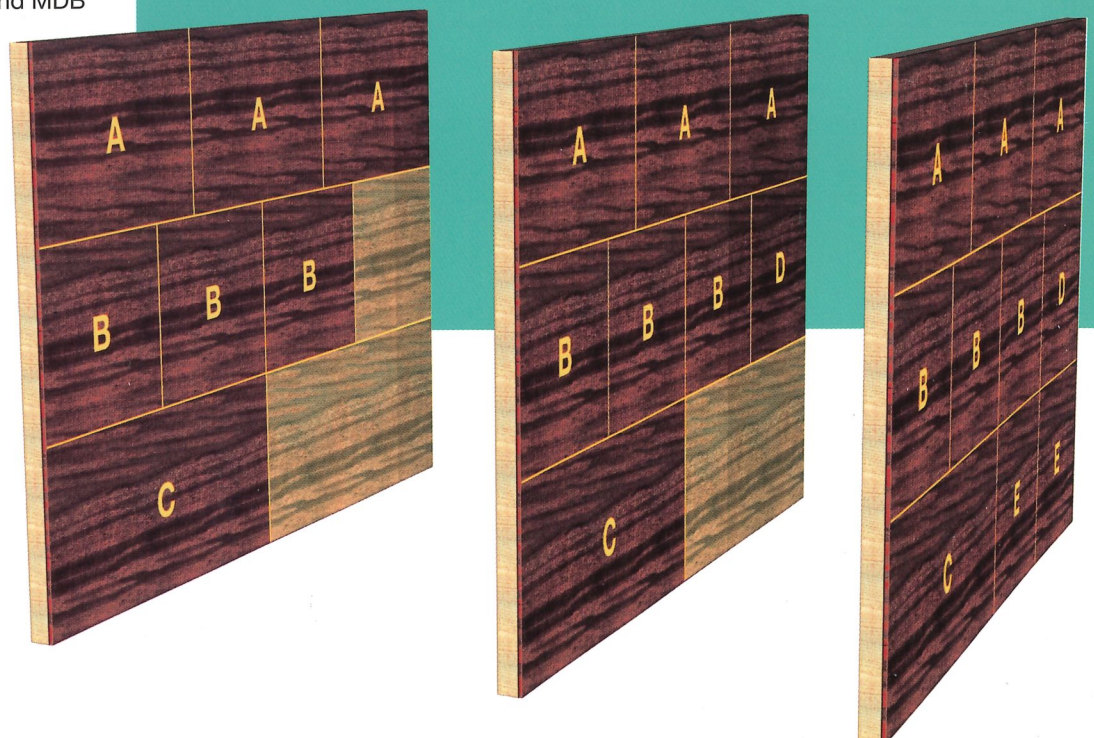
Module CAD-Pattern Amendment

This module provides an on-screen pattern editor that allows cutting patterns which have been optimised or imported to be manually adjusted and sequenced prior to download to the saw.

- Regular patterns can be stored in a pattern library for future use.
- Templates can be specified and assigned to parts that have to be cut in a fixed arrangement, e. g. front material for furniture. The single parts can then be cut in the usual cutting process at the saw or from master part that has been created from the template information. That feature can also be used when cutting small parts, e. g. drawer fronts, in multiple width for technical reasons.
- This module allows you to change offcut areas into common part sizes or strip widths.
- You can add manual patterns where specific part arrangements are required.
- New parts may be added, including full part information, or "plus" parts may be pulled from the part library.
- Patterns can be imported from other software systems using the pattern import feature. It supports the PTX pattern exchange file format (ASCII and MDB formats).
- All summaries are automatically recalculated after amendments have been made. Waste percentages, totals, part costs and the offcut summary are all regenerated.



Pattern editor



CUTTING LIST

File: BSR10 Title: EDGING & LAMINATING Opt: STANDARD Saw: SINGLE

No.	Description	Material	Length	Width	Qty	Over	Under	Gr	Edge	Inf
1.	PART WITH CORE TRIM	CHIPBOARD-18HM	910.0	640.0	20			N	CCCC	
2.	TAPE 2 LONG EDGES	MEL-CHIP-18HM	570.0	448.0	15			N	WU00	
3.	MAHOGANY LIP 1 EDGE	MED-DEN-FIBRE-18HM	950.0	585.0	20			N	H000	
4.	TEAK LAM FACES & EDGES	CHIPBOARD-18HM	1028.0	968.0	10			N	TTTT	
5.	L0004	TEAK-LAM-1HM	1048.0	983.0	10			Y	0000	
6.	L0004	TEAK-LAM-1HM	1048.0	983.0	10			Y	0000	
7.	L0004	TEAK-LAM-1HM	890.0	25.0	20			Y	0000	
8.	L0004	TEAK-LAM-1HM	1050.0	25.0	20			Y	0000	
9.	POSTFORMED EBONY LAM	CHIPBOARD-18HM	1050.0	889.0	25			N	P000	
10.	L0005	EBONY-LAM-1HM	1070.0	947.0	25			Y	0000	
11.	L0005	EBONY-LAM-1HM	1070.0	904.0	25			Y	0000	

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Cutting list

PART LIST

File: BSR10 Title: EDGING & LAMINATING Opt: STANDARD Saw: SINGLE

No.	Description	Material	Length	Width	Qty	Over	Under	Gr	Edge	Inf
1.	PART WITH CORE TRIM	CHIPBOARD-18HM	870.0	600.0	20			N	CCCC	
2.	TAPE 2 LONG EDGES	MEL-CHIP-18HM	570.0	450.0	15			N	WU00	
3.	MAHOGANY LIP 1 EDGE	MED-DEN-FIBRE-18HM	950.0	600.0	20			N	H000	
4.	TEAK LAM FACES & EDGES	CHIPBOARD-18HM	1030.0	870.0	10			N	TTTT	
5.	POSTFORMED EBONY LAM	CHIPBOARD-18HM	1050.0	890.0	25			N	P000	

09:22:08 TUESDAY 31 AUG 1999

Finished part sizes



The Edging module will calculate the cutting size for core parts allowing for trims and edging, and will also work out the size of each laminate piece and each edging strip. For a work-cell method of operation, the program details for each edge can be passed to the edgebander via a barcode.

- Edging library with up to 9999 different types of edging and laminating materials including tape and lipping.
- Automatic calculation of cutting lists from finished sizes, including adjustment for thickness of edging and oversize cutting for trimming back during later production processes.
- Edging summary listing how many metres of tape of each edge type are required.
- Generates laminate sizes, including special calculations for post-formed and bull-nosed edges.
- Detailed estimates of edgebanding times and costs.
- Stock control for edging material when used with stock control module.

Module

Part library and Office Part Labels

The Part library lets you maintain a collection for regularly used parts, including extended part information and drawings. These can be pulled into the current part list using just the part code. This module can also produce detailed labels with multiple barcodes and pictures.

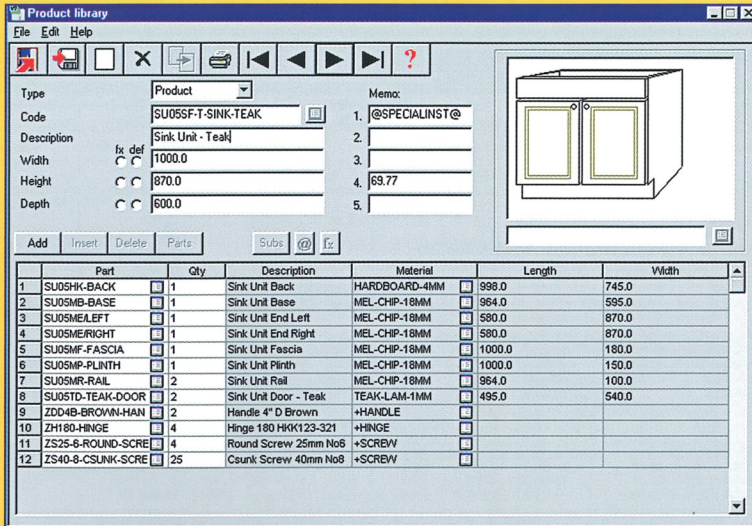
- The library can hold details of size, material, grain, edging – and 30 information boxes for each part and a drawing of the part.
- The library can also be utilised to hold a list of regularly used hardware components with costs.
- The part dimensions and other fields may be variable and specified at order entry if required.
- The label design facility allows you to create customised label layouts allowing bar code labels to be printed per piece, per part type and for offcuts.
- The form design feature enables you to print your part list in any page layout you choose.
- Up to 9999 different standard parts in the library.
- Stock control for over and “plus” parts.
- A list of operation times can be held in the information boxes for each part, and these may be used to build up a full part cost comprised of material and operation times.

Part library

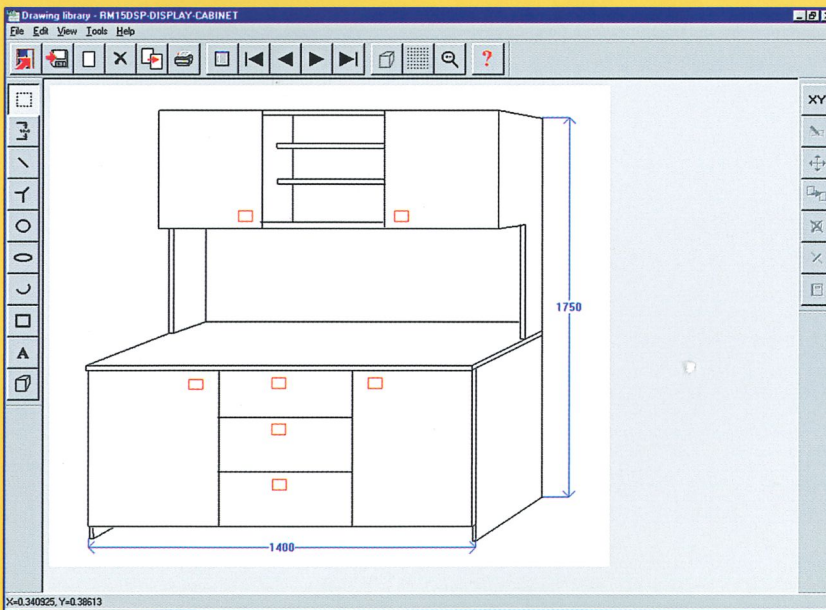
Office part labels

The product library enables you to define the bill of materials for standard and parametric products based parts and fittings held in the part library. You can also hold drawings and details of operations associated with the product.

- Up to 9999 variable products and sub-assemblies.
- Product requirement lists can be entered and can be automatically expanded into part lists in a single step.
- Use of formulae enables automatic calculation of component sizes for special cabinets. Product “variables” take account of order-based requirements such as material colour.
- For the total cost of the job you can include “sundry” parts, such as solid timber items not requiring optimisation, but nevertheless which need calculation of size.
- A library of product drawings can be created. The drawing program provides vector graphic drawing commands with useful features such as perspective, scale and dimension lines.
- The form designer can be used to design product labels or forms with bar codes and product sketches.
- A full product costing report is available.



Product library



Drawing library

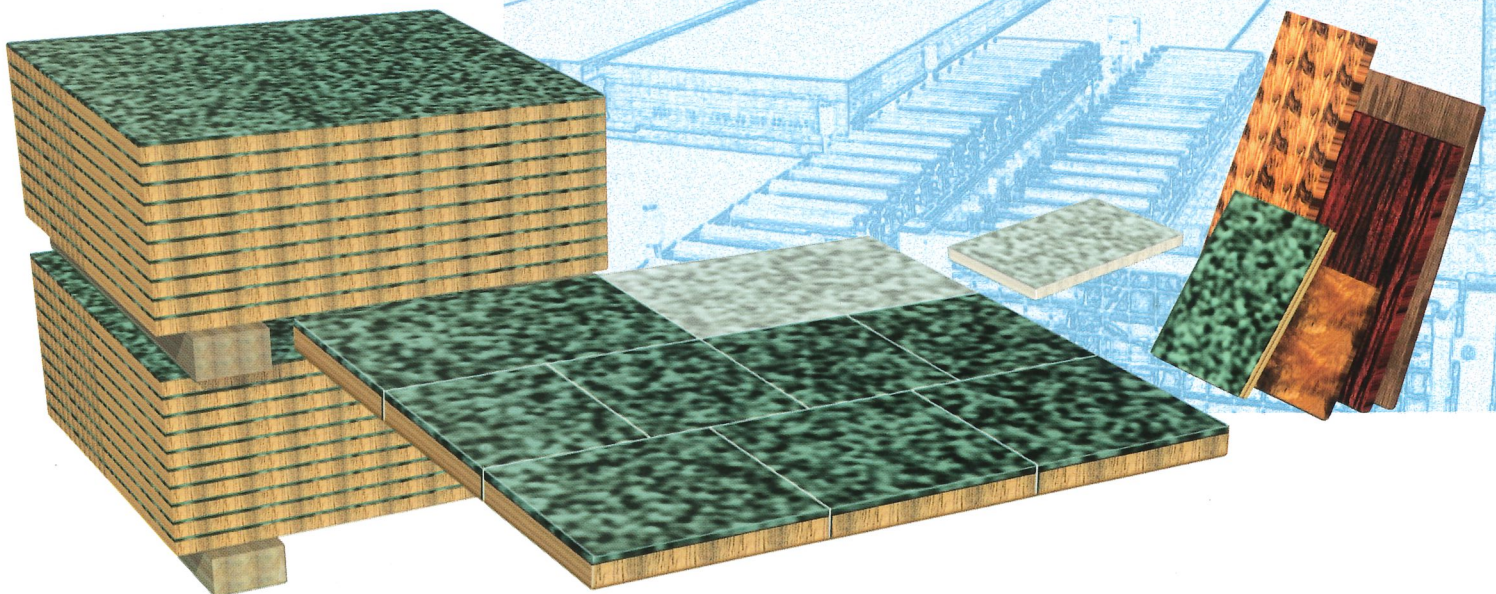
Module Stock Control

This module provides a comprehensive system for physical stock control of sheet materials, fittings and edge-banding. It also provides the facility to allocate sheet material including offcuts in advance to specific jobs, avoiding the risk of optimising the same offcut on different jobs.

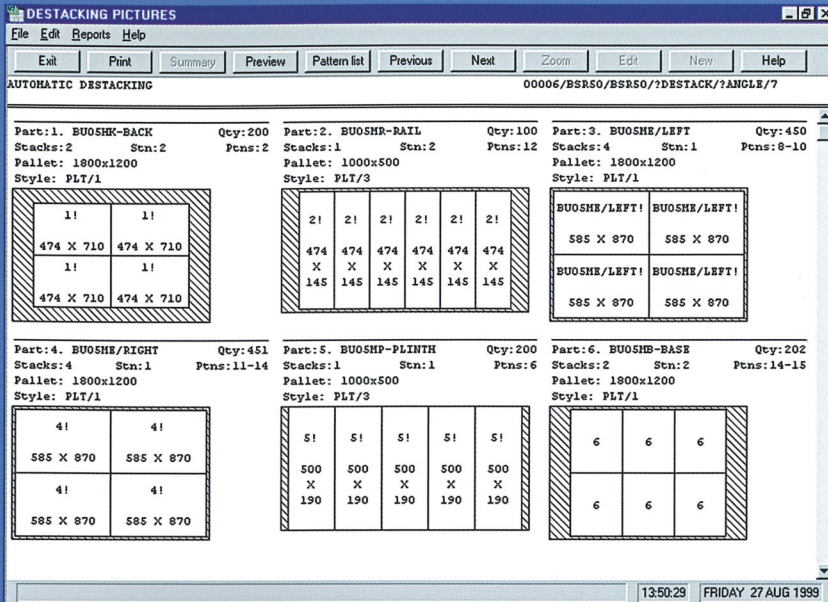
- The program lets you record raw material orders and receipts by supplier.
- A simple step will allocated all sheet material used for an optimised job.
- The optimiser considers available free stock (physical less allocated).
- Physical stock of sheet material is automatically adjusted after cutting.
- Printed reports include stock valuation, minimum stock levels, monthly summary of stock usage and an audit trail for accounting purpose.
- Offcuts and part overages are recorded and automatically considered for the next job.
- It allows separate update of both core material and laminate stock, when you laminate full sheets prior to cutting.

Board code	Length	Width	Qty In Stock	Area M2	Volume M3	Cost M2	Total Cost
EBONY-LAM-1MM Ebony Laminace 1mm Thk: 1.0 Cr: Y Book: 10							
EBONY-LAM-1MM/01	3050.0	1525.0	460	2139.58	2.14	5.300	11339.77
EBONY-LAM-1MM/02	2550.0	1525.0	485	1886.04	1.89	5.300	9996.01
				4025.62	4.03		21335.78
HARDBOARD-4MM Hardboard 4mm Thk: 4.0 Cr: N Book: 8							
HARDBOARD-4MM/01	2000.0	1000.0	600	1200.00	4.80	0.890	1068.00
HARDBOARD-4MM/02	2440.0	1220.0	138	410.80	1.64	0.750	308.10
				1610.80	6.44		1376.10
HED-DEN-FIBRE-18MM Medium Density Fibreboard 18mm Thk: 18.0 Cr: N Book: 0							
HED-DEN-FIBRE-18MM/01	3660.0	1850.0	1097	6223.28	112.02	4.500	28004.76
HED-DEN-FIBRE-18MM/02	2440.0	1220.0	780	2321.90	41.79	4.350	10100.26
X01234/006	1040.0	482.0	12	6.02	0.11	2.000	12.04
X01248/011	2440.0	711.0	4	6.94	0.12	2.000	13.88
				8558.14	154.04		38130.94
HED-DEN-FIBRE-25MM Medium Density Fibreboard 25mm Thk: 25.0 Cr: N Book: 0							
HED-DEN-FIBRE-25MM/01	3050.0	1830.0	991	5531.27	138.28	6.300	34847.00
HED-DEN-FIBRE-25MM/02	2550.0	2050.0	0	0.00	0.00	6.950	0.00
HED-DEN-FIBRE-25MM/03	2440.0	1220.0	727	2164.13	54.10	6.300	13634.02
				7695.40	192.38		48481.02
HEL-CHIP-15MM Melamine - White 15mm Thk: 15.0 Cr: N Book: 0							
HEL-CHIP-15MM/01	3050.0	1220.0	811	3017.73	45.27	2.590	7815.92
HEL-CHIP-15MM/02	2440.0	1220.0	680	2024.22	30.36	2.560	5182.00

Stock valuation



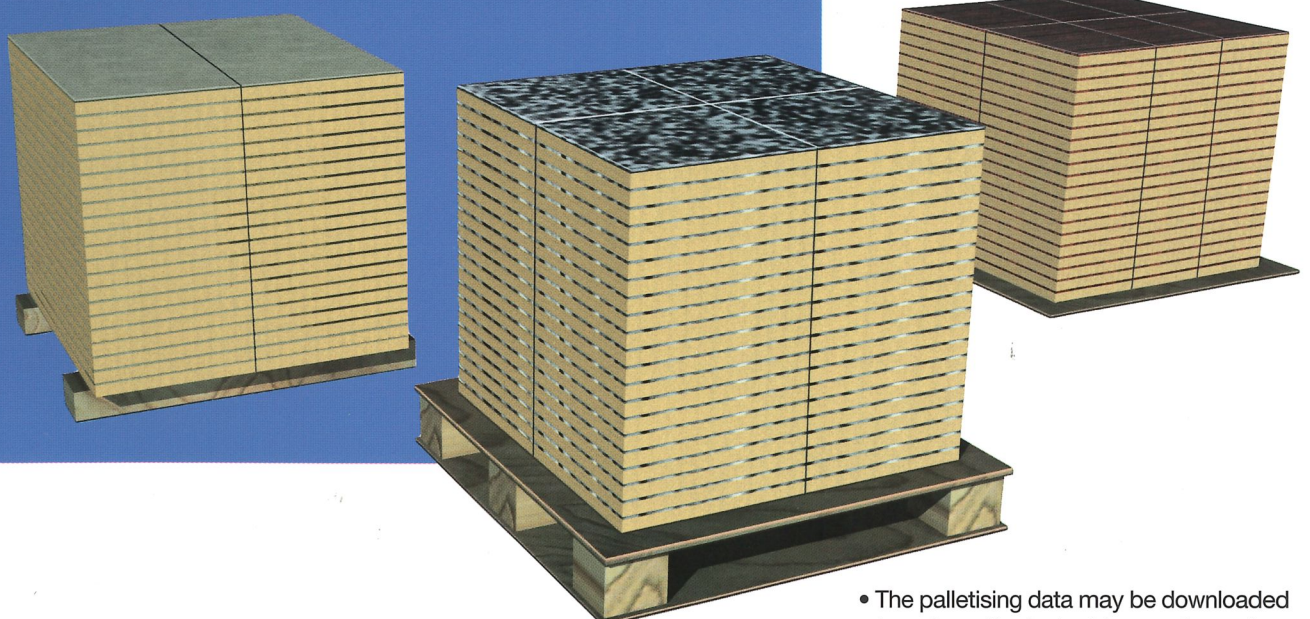
- Physical stock control of fittings and edgebanding material when used with product and edging modules.



Destacking pictures

This module enables you to store a library of destacking styles with details of your standard pallet sizes or rules for calculation of baseboards sizes. Additionally, if you have mechanized off-stacking stations you define their sizes and the destacking optimiser will constrain cutting patterns accordingly.

- A station report provides information for loading pallets or baseboards to offstacking areas.
- A list of baseboards is calculated from the part sizes according to rules which include oversize allowance, layout constraints and maximum stacking height. These rules can be defined individually for each part if required. The result is a baseboard cutting list ready for its own optimisation.
- A destacking summary shows pattern by pattern on which pallet each part must be placed.
- A picture shows the layout of parts on each pallet or baseboard. The use of runners instead of pallets or baseboards is also managed.



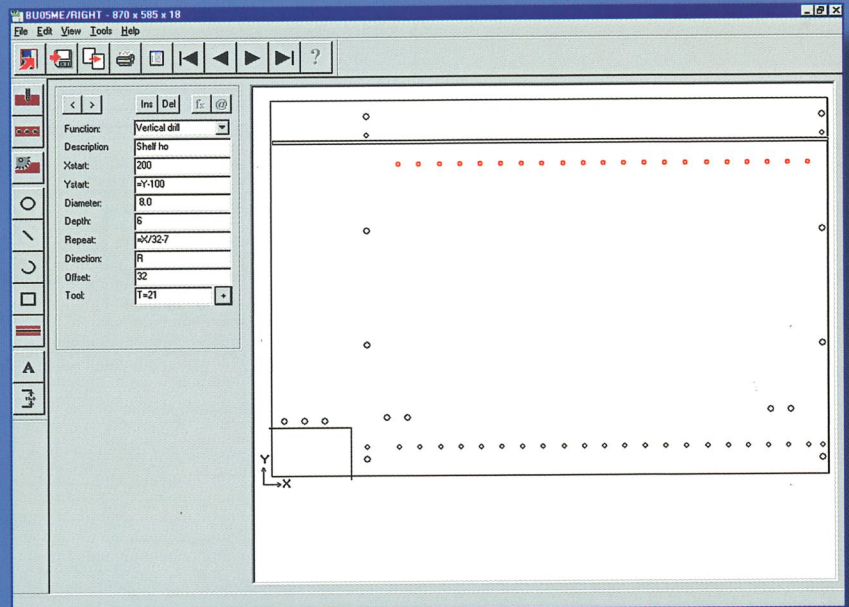
- The palletising data may be downloaded to automatic destacking equipment.
- You can obtain labels for pallets or stacks when used with the parts and label module.
- The destacking optimiser considers station sizes when allocating parts to stations.

Module

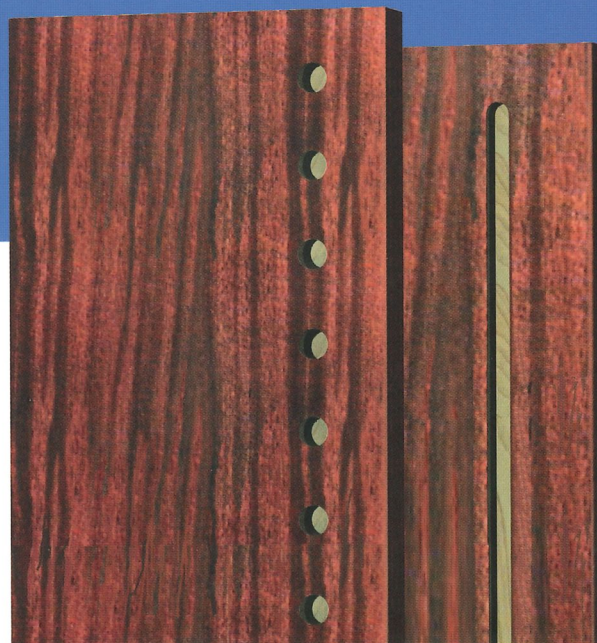
CNC-Drawings and Machine Interface

The machining library allows you to hold full details of machining operations for parts including vertical and horizontal drilling, routing of grooves, circles, arcs, cut-outs and contours, together with tolling information ready for seamless download to CNC equipment.

- Machine operations can be stored parametrically so that as the part size changes, the machine instructions are recalculated instantly.
- Supports contour routing, operations on both sides of part, vacuum pod positions, dimension lines and pockets.
- The drawing geometry can be entered quickly by using the mouse to draw, move, copy or edit objects.
- Drawing objects can be positioned accurately using the grid, or via "properties" where formulae and "variables" may be added.
- Details of depths and tooling information can be added for each operation, including tool speeds, tool path compensation and other tool specific data.
- Part drawings can be printed on a route sheet and on part labels.
- Import and export to/from DXF files.
- The machine interface allows direct transfer of data to most CNC-controlled machine centres.
- Grooves and cut-outs can be passed to the HOLZMA beam saw with CADmatic III control.
- Machining times are estimated for each drawing.



Machining library



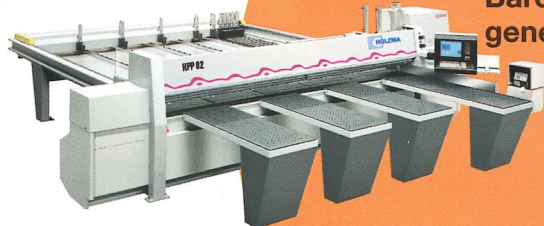
With Cut Rite software HOLZMA offers a powerful and easy-to-use package for panel optimisation. It optimises the overall costs consisting of material and machining costs.

You have the choice between three efficient optimiser packages and seven useful add-on-modules. The Cut Rite program can be enhanced specifically and thus economically to meet the particular needs and demands of your company.

Cut Rite generates all the necessary information for an manufacturing cell. Using an optimum configuration (see table 1) Cut Rite calculates and transfers all data for cutting, formatting, edgbanding and CNC-manufacturing.

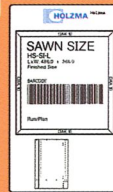
Cut Rite optimization software

Full production statistics are available, such as process time and detailed costs.

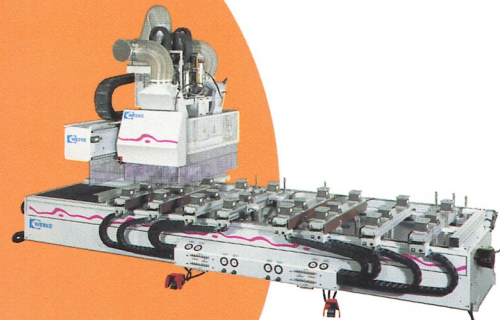


CNC panel saw

Barcode label generation



Part label



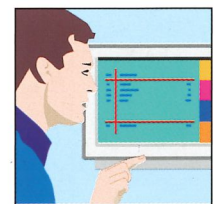
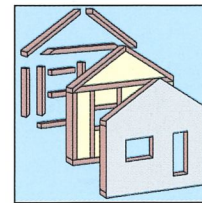
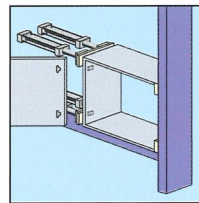
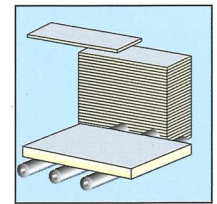
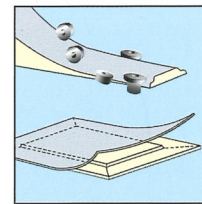
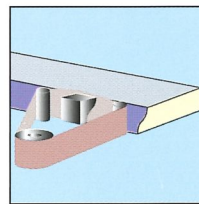
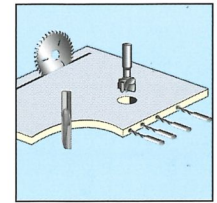
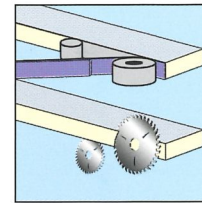
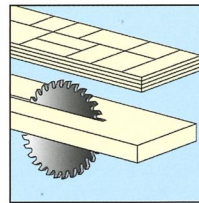
CNC machining centre



CNC controlled edgebander

Modules	Basic	Lite	Lite Pro
● CAD Pattern Amendement			
● Part Library and Office Part Labels			
● Product Library and Drawings			
● Stock Control			
● CNC Drawings and Machine Interface			
● Edging and Laminating			
● Destacking			

optimum configuration for manufacturing cell
 additionally available
 not available



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