

Adaptable cutting patterns with extended part information

The Standard Optimiser is designed for cutting batches of jobs on a single axis beam saw. It has the flexibility to deal with a wide range of part lists and part quantities and includes many extra features for dealing with offcuts, complicated cutting patterns and allows the part list to be fully customised via extra custom fields.

The optimiser supports transfer to a wide range of beam saws.

- Enter part sizes
- Optimise
- Send cutting data to saw



The starting point of optimisation is a list of part sizes. This can be produced in a variety of ways:-

- Enter sizes in the 'Part list' grid
- Import part sizes from external files or other systems

Some lists can have extra custom fields with information for reports or for part labels. The system also provides a set of pre-defined fields which automatically calculate extra data.

The sizes entered are typically the finished sizes and the part list (with the Edging module) includes options to adjust the sizes to allow for edging, laminates are re-trimming.

The part list includes a full set of options to edit or insert items, re-order and change the list.

😡 Part	M Part list - Example5												
File E	dit View Optimise Help												
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Т	Title Example 5 Opt default - 🗉 Saw default -												
	Description Material Length Width Quantity Over Under Grain Edge Btm 🔺												
Global						0%	0%			=			
1.	BASE-BACK	HARDBOARD-4MM	476.0	735.0	1	0	0	N					
2.	BASE-BACK	HARDBOARD-4MM	976.0	735.0	1	0	0	N		-			
3.	BASE-BACK	HARDBOARD-4MM	976.0	735.0	1	0	0	N		-			
4.	BASE-BACK	HARDBOARD-4MM	476.0	735.0	1	0	0	Ν					
5.	BASE-BACK	HARDBOARD-4MM	876.0	735.0	1	0	0	Ν					
6.	BASE-BOTTOM	MEL-CHIP-18MM	464.0	582.0	1	0	0	N					
7.	BASE-BOTTOM	MEL-CHIP-18MM	564.0	582.0	3	0	0	Ν					
8.	BASE-BOTTOM	MEL-CHIP-18MM	464.0	582.0	1	0	0	Ν					
9.	BASE-CABINET-BOTTOM	MEL-CHIP-18MM	864.0	582.0	1	0	0	N					
10.	BASE-CABINET-DIVIDER	MEL-CHIP-18MM	560.0	533.3	1	0	0	Ν					
11.	BASE-CABINET-DOOR	MFC18-OAK	400.0	556.8	1	0	0	Х					
12.	BASE-CABINET-DRAWER	MFC18-OAK	400.0	184.3	3	0	0	N					
13.	BASE-CABINET-DRAWER-LONG	MFC18-OAK	900.0	184.3	1	0	0	Ν					
14.	BASE-CABINET-END-LEFT	MEL-CHIP-18MM	582.0	870.0	1	0	0	N					
15.	BASE-CABINET-END-RIGHT	MEL-CHIP-18MM	582.0	870.0	1	0	0	Ν					
16.	BASE-CABINET-RAIL-BACK	MEL-CHIP-18MM	864.0	150.0	1	0	0	Ν					
17.	17. BASE-CABINET-RAIL-FRONT MEL-CHIP-18MM 864.0 150.0 2 0 0 N												
•		III							- F				

In this example there are a large number of part sizes required in small quantities. Each part has a material code which matches the part to the available materials.

The number of columns in use can be adjusted to match the details required and help with data entry. The global line at the top of the list allows entry values that apply to the whole list and help to speed up data entry and avoid mistakes.

😡 Part	🕎 Part list - Example 6									
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Т	Title Example 6 Opt default - Saw default									-
	Description	Material	Length	Width	Quantity	Over	Under	Grain	Edge Btm	^
Global						0%	0%	N		=
1.	BTH-CAB-BACK	MFC18-TEAK	664.0	564.0	4	0	0	N		
2.	BTH-CAB-BACK	MFC18-EBONY	464.0	564.0	3	0	0	N		
3.	BTH-CAB-BOTTOM	MFC18-EBONY	464.0	144.0	3	0	0	N		
4.	BTH-CAB-BOTTOM	MFC18-TEAK	664.0	144.0	4	0	0	N	EBONY-TAPE	
5.	BTH-CAB-DOOR-LEFT	MFC18-TEAK	349.5	450.0	4	0	0	N	EBONY-TAPE	EBC
6.	BTH-CAB-DOOR-LEFT	MFC18-EBONY	249.5	450.0	3	0	0	N		
7.	BTH-CAB-DOOR-RIGHT	MFC18-TEAK	349.5	450.0	4	0	0	N	EBONY-TAPE	EBC
8.	BTH-CAB-DOOR-RIGHT	MFC18-EBONY	249.5	450.0	3	0	0	N		
9.	BTH-CAB-END-LEFT	MFC18-TEAK	162.0	600.0	4	0	0	N	EBONY-TAPE	EBC
10.	BTH-CAB-END-LEFT	MFC18-EBONY	162.0	600.0	3	0	0	N		
11.	BTH-CAB-END-RIGHT	MFC18-TEAK	162.0	600.0	4	0	0	N	EBONY-TAPE	EBC
12.	BTH-CAB-END-RIGHT	MFC18-EBONY	162.0	600.0	3	0	0	N		
13.	BTH-CAB-SHELF	MFC18-EBONY	464.0	144.0	6	0	0	N		
14.	BTH-CAB-SHELF	MFC18-TEAK	664.0	144.0	8	0	0	N	EBONY-TAPE	
15	RTH-CΔR-SHI F-RΔSF	MEC18-TEAK	664.0	162.0	4	n	Π	N	FRONY-TAPE	T
										4

Sizes can be entered in millimetres, decimal inches or fractional inches.



All materials are stored in the Board library. This is a database of all sheet material and includes quantities and costs. The Board library stores a record for each material and a record for each board size (including any offcuts) for each material type.

79	🔢 Board library										
File	File Edit View Help										
\$	考□₌≿₫⊇₽♂?										
	Materials										^
	Material 🔺	Desc	ription	Thic	Default	Boo	Mat	Picture	Туре	D	ensit
	EBONY-LAM-1MM	1.0	Y	10			Laminate		0.90		
	GREEN-LAM-1MM	Green Laminate	1mm	1.0	Y	10			Laminate		0.90
	HARDB0ARD-4MM Hardboard 4mm 4.0 N 8 H 0.75).75 🗏		
	MED-DEN-FIBRE-18MM	Medium Density	Fibreboard 18	mm 18.0	N	0			MDF		0.65
	MED-DEN-FIBRE-25MM	Medium Density	Fibreboard 25	imm 25.0	N	0			MDF	1).65
	MEL-CHIP-15MM	Prelaminated - V	√hite 15mm	15.0	N	0					0.50
	MEL-CHIP-18MM	Prelaminated - V	√hite 18mm	18.0	N	0				1	0.50
(MFC18-BEECH	Prelaminated - B	eech 18mm	18.0	N	0			MFC	1	0.40
	MFC18-BLACK	Prelaminated - B	lack 18mm	18.0	N	0			MFC	1	0.40
	MFC18-EBONY	Prelaminated - E	bony 18mm	18.0	N	0			MFC	1	0.40
	MFC18-OAK	Prelaminated - C	lak 18mm	18.0	N	0			MFC		0.40 🚽
•		I	111	1	1						•
	Boards for material: MFC18	3-BEECH P	relaminate	ed - Be	ech 1	8mm	n Thio	kness:1	8.0 Book:	0	Â
	Board code 🔺	Leng	h Width	Inform	ation	Stock	Alle	oc Order	Cost	Limit	=
	MFC18-BEECH/01	3050	.0 1525.0			170	2	0 215	3.210	0	
	MFC18-BEECH/02	2440	.0 1220.0			163	0	0 205	2.960	0	-
•											•

In this example the material MFC18-TEAK has two available board sizes 3050.0 x 1525.0 and 2440.0 x 1220.0 and several offcuts.

The Material column in the Part list associates each part with the correct material to use and the optimiser selects the optimum boards sizes to use for each job.

Optimising parameters are used to describe the type of cutting (trims, re-cuts, headcuts etc.) - these features may vary with different part lists.





Saw parameters are used to describe each saw; overall cutting length, position of clamps, fence speed ...



Different parameters lists can be set up and used to produce the correct cutting requirements for any list. Typically users set up a handful of parameters lists with commonly used settings and add extra lists for one-off or special jobs.



Optimisation produces the pattern layouts (balancing cutting times and waste) and a set of detailed reports on each job. Jobs can be batched together. This is useful where there are lot small orders in the day.

📆 Bato File I	Batch optimisation - Example5									
*	*J 🗋 📂 👟 💷 🖉 🖑 🔗 幕 😼 🦆 🛩 ≶ ?									
	Batch name Example5									
	Tm	Optimising progress	Cutting list	Title	Run	Optimising parameters	Saw parameters 🔺			
Global										
1.			Example5	Example 5	Example5	default	default			
2.			Example 6	Example 6	Example 6	default	default			
3.			Kitchen plan	Example CAD Drawing	Kitchen plan	DEFAULT	DEFAULT			
4.										
							H.			
•							Þ			
						F12 Continue				

The results are shown in the section of the program 'Review runs'.

Review runs																	x
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Batch summary	Batch	sum	mary												Exan	npie	С
Management summary																Examp	le5
Pattern	Run	Parts	Boards	Total	Pattern	No	No	Sheets	Offcuts	Offcuts	No	No	Av	Av	Av	Av	
summary	L	m2	m2	Time	Cost	Parts	Boards	Used	Used	Created	Ptn	Сус	Waste	Scrap	Offcut	Yield	
## Pattern	Example5	89.93	108.70	3:27	334.36	235	34	33	1	19	34	34	17.27	9.34	7.93	82.73	
preview	Example 6	290.33	347.40	6:26	976.90	532	115	114	1	42	97	97	16.43	9.58	6.85	83.57	
	Kitchen p	. /1.85	86.33	2:44	221.74	233	28	28	0	6	28	28	16.77	11.26	5.51	83.23	
A Pattern	L	450.44	542.42	40.07	4522.00	4000	477	475		67	450	450	40.05	0.00	C 05	02.25	
		452.11	342.43	12:37	1533.00	1000	111	1/0	2	67	109	109	16.65	9.80	6.60	83.33	
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Batch reports																	
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Runs are stored and can be easily recalled for review or adjustments.

Select an item to see the details of each job.

The first report shown is an overall summary of the job.

🕅 Review runs											
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Favourites Batch summary	Example5 Example5 Example6 Kitchen plan Example 3	Managem	ent su	ımma	ary			F	Exa	mple	5
summary	🗄 Bedroom & bathroom							E	xample 5/// (default/	/derault/s	SQ
- The second	⊕ Example 1	Description	Quantity	m2	m3	Percent	Rate	Cost	Statistic	Value	*
summary	New batch	Required parts	235	89.93	1.39	82.73%			Number of patte	34	
	H Part req	Plus/Over parts	0	0.00	0.00	0.00%			Headcut patterns	21	
Pattern	Example Charts	Offcuts	19	8.62	0.13	7.93%			Rotated patterns	0	
preview	Batch optimisation prog	Scrap		10.15	0.14	9.34%			Recut patterns	21	
🧏 Pattern	Small quantity ontim	Core trim		0.00	0.00	0.00%			Number of cycles	34	
-	Over production	Boards	34	108.70	1.66	100.00%			Cutting length	506.9	
	arge part list								Throughput (M3	0.5	
	Edging and laminates								Waste (%Parts)	20.87%	
	E Cadmatic saw exam								Waste (%Boards)	17.27%	=
	+ Power Concept Device	Sheets used		107.91	1.65	99.27%		333.14			
		Offcuts used		0.79	0.01	0.73%	1.550	1.22			
	Stacked duplicates	Offcuts created		-8.62	-0.13	-7.93%	0.000	0.00			
Batch reports	🖭 Cutting list rules	Net material u	-	100.08	1.53	92.07%		334.36	-		
Summaries	🕂 ····· Alternate materials	Cutting time	3:27Hr				0.000	0.00			
Advanced	Nesting examples	Total parts	235	89.93	1.39	82.73%	3.718	334.36			1
Advanced	Nesting - Part library	, otal parto	200	00.00		0211070					
Patterns	Henry Nesting - Machining lib	Sundry - unit us	40					60.32			
Machining	Here Nesting - DXF	Total sundry						60.32			-
Custom		▲ ► \ Manageme	nt summar	y (Dast	iboard	<u></u> Outpι ∢				•	
											at

The management summary shows the overall yield, costs and the type of patterns produced. A window shows the list of optimised jobs so it is easy to quickly check and review one job then another.

An option at the Management summary is the Dashboard which shows custom snapshots of the data allowing a better insight into selected features of the job.



The Dashboard can include a selection of charts from other summaries so critical aspects of the job can be highlighted. The Dashboard and all the charts are fully customisable.

The cutting patterns are shown in a thumbnail preview



The patterns can be viewed full screen by clicking on the thumbnail.

🔛 Review runs	
File Edit Vie	w Settings Summaries Help
1	淋 🖷 😳 🞘 🔍 📲 🏪 🛛 🔹 🕨 🖉 🥵 🛠 📜 🌉 🗋 🧸
Favourites Batch summary	Pattern 20 of 34 Example 5
R Management summary	Example5///?default/?default/SQ
Pattem summary	Board: MFC18-OAK/02 Waste: 17.14% Size: 2440.0 x 1220.0 x 18.0
Pattem preview	
👼 Pattem	W-ROBE-BASE WALL-DOOR! 964 X 578 500 X 750 126! 126! 964 964
	x x x x 315 W-ROBE-BASE 964 x 578 x x 315 x x 315 x x 315
Batch reports Summaries	768 × 202. 4 824, 2
Advanced Patterns Machining	Saw kerf: 4.8 Book height 1 Cycles 1 Rear rip trim with kerf - Rip: 10.0 Cross: 10.0 Retrim with kerf: 5.0
Custom	Image: Approximation / Image: Approximation /

The full details of the pattern include, part label, waste, offcuts and the pattern orientation.

Further details, for example, the parts cut, cutting instructions, saw simulation for each pattern are accessed from the tabs at the foot of each pattern.

A large number of other summaries are available, for example, a list of patterns and cutting quantities, summary or parts produced, a list of offcuts produced ...

Review	runs	Sattin	ar Summaria	r Help										x
							14	4 1			2	2		
Favourite				50 ~								•	732 L 4	E
Summari	es	ЛС	ut sum	nary									Example	33
Advance	d										Examp	le5///?	default/?default	t/SQ
Offcut summar	,	No	Descr	iption	Length mm	Width mm	Tota	Area m2	Cost m2	Cost / Offcut	Total Cost	Offc	uts per pattern	
Summar 8	، [Offcut v	alue - restock	ing 12.0	5 Costr	eduction	n 0.00							_
Machine times	•													=
J Destack	ting H	ARDB	OARD-4MM*	Hardboa	ard 4mm	Thicknes	<u>s 4.0</u>	Book 8 F	Paramete	ers HBD0	14 Min s	ize 851	<u>0.0 X 400.0</u>	
Station summar	,	1. 2.	XEXAMPLE5 XEXAMPLE5	/0001 /0002	2440.0 952.0	470.2 457.2	1	1.147 0.435	0.445 0.445	0.511 0.194	0.51	1/4 1/7		
Destack	ting						2	1.583			0.70			
pictures	1	MEL-CH	HP-18MM Pre	laminat	ed - White	e 18mm	Thickne	ess 18.0	Book 5	Min size	<u>a 300.0 X</u>	200.0		
		3. 4.	XEXAMPLE5 XEXAMPLE5	/0003 /0004	2440.0 451.6	343.8 282.0	1	0.839	1.570 1.570	1.317 0.200	1.32 0.20	1/15 1/15		
							2	0.966	-		1.52	-		
	1	MFC18-	BEECH Prela	iminated	<u>l - Beech</u>	<u>18mm T</u>	hicknes	s 18.0 l	Book 5 I	<u> Min size</u>	300.0 X :	<u>200.0</u>		
Pattern		5.	XEXAMPLE5	/0005	2414.2	310.2	1	0.749	1.605	1.202	1.20	1/34		
Custon	1	6.	MERAIVIPLE5	y (Offc	uts /	404.6	1	0.617	1.605	0.990	0.99	1/33		• •

Where appropriate offcuts can be returned to the Board library and re-used.



Up to 3 chart views can be designed and included for each summary.

Summaries available include:-

Batch summary Management summary Pattern summary, Part summary Board summary, Offcut summary Saw loading summary, Material summary Sundry parts, Machine times In addition to standard summary a wide variety of custom reports can be created with the Form & Label design option.

All the information from cutting is available for the reports and a set of pre-defined templates can be used as a starting point for your own reports which are fully integrated into the program.

File Edit View Settings Summaries Help											
The Edit View Sectings Summaries Trep											
考	4										
Favourites											
Batch reports Optimised Part Details 3 of Examp	le 5										
Summaries											
Advanced	1.000										
Patterns Example5////detault//deta	ult/SQ										
Machining Ontimised Parts	*										
Custom											
Run: Example5 Description: Example 5											
Details Edgebander setup time: 0:10 Saw setup time: 0:43											
Part code: BASE-CABINET-DOOR Bottom edge: Drawing name:	=										
Wratemal Material code: MFC18-0AK Topedge: 00000924 Utility Location (1997) Details Location (1997) 1998 EN 2751/00 J 556 8 EN 2751/00 J 556 8											
Lenguit, too finance Lenguit,											
Part Details											
all Pattern											
Detcoin Part code: BASE-CABINET-DRAWER Details Material code: WC18-DAK To actore Dottomedge: Drawing name: Dottomedge: Drawing name: Dottomedge:											
Length 4000 Width 184.3 Left edge: Part Volume: FIN 525400.0 x 164.3											
Quantity: 3 Non Grained Right edge: LOW											
Part rode: PASE_CARINET_DRAMER_JONG Rotomadoa: Drawing some:											
Material code: IPC18-0AK											
Length: 900.0 Width: 184.3 Left edge: Part Volume: FIN SIZE500.0 x 184.3	-										
	•										

The custom summary above shows a bar code and drawing for each part.



Optimising data can be sent directly to many types of saw in proprietary formats.

Saw interface parameters set up the transfer for each saw. Users typically transfer to a handful of different saws. For example, two different Holzma saws.

Mac	hine interface	Tools	Auxiliar
	Holzma Cadm	•	
	Holzma Cadm	•	
	ASCII Pattern	•	
	Online label P	С	•
	Weeke		
	2D-DXF		
	Nested DXF		

The saw controllers supported are:-

```
Direct link - Holzma Topmatic/Micromatic
Module programmer
Online label PC
Holzma Cadmatic I
Holzma Cadmatic II
Selco CRLINK
Holzma Cadmatic III/IV
Homag Sawtech (Espana)
Giben
Schelling Commander 2 and 4
SCM
SCM Seziona
Ascii PTX
MDB PTX
```

This variety of saws includes many different types of saw but typically the Standard Optimiser is used with Single axis beam saws.

A large set of saw parameter files are provided covering the settings for a wide range of saw models.

Saw parameters - New from template									
Select a parameter file template									
 HPL11 HPL11X HPL33 HPL33X HPL380 HPL380X HPL510 HPL510X 	 HPP380 HPP510 HPV33 HPV33X HPV510 HPV510X HQD33 HQD11 								
HPP250	HUS11 Help Cancel								

Pattern editor

The standard optimiser deals with a wide range of jobs but smaller jobs often require the flexibility to make last minute changes as orders change or materials are not available. The pattern editor and pattern library allow changes to each pattern, for example:-

- change the order in which patterns are cut
- alter a cut quantity
- remove a headcut
- swap parts
- alter a part size
- use a different board

The part requirements and run quantities are automatically re-calculated when the changes are confirmed; ready for the cutting data to be sent to the saw.

Click on any pattern to move to the editor.

😨 Pattern amendment - Pattern 17 of 34					• ×				
File Edit View Help									
Example 5 Material: MFC18-0AK Prelaminated - 0ak 18mi	m Thickness 18	0 Book 1		Image: A state Image:	efault/?def∈ Waste				
Board									
5. MFC18-0AK/02									
Material MFC18-OAK	1								
Length 2440.0					22!				
Width 1220.0	DRE	SSER-END)-LEFT!	DRESSER-END-RIGHT!					
Thickness 18.0		600 X 1	082	600 X 1082	X				
Lost 2.970					245.2				
Quantity 1									
Current area	112!	112! 115! N POPE END LETT							
130. DRESSER-END-LEFT	564	564 564 WERDELEFT							
Material MFC18-OAK	X 311	X 311	578 X 1782						
Length 600.0	011	011							
Width 1082.0									
Rotated Y									
Free area									
Length 0.0									
Width 600.0									
Copy / insert between strips									
5		6		7					
76 31 782 X 717 976	110! 964	W-ROE	BE-BACK!	147! 149! 183 18	5				
182! 4!	564	189! 148! 952 X 467	2						
4									

In this example a part (that was cancelled) has been deleted.

The thumbnail at the foot of the editor allows patterns to be quickly selected and for parts to be moved between patterns.

The editor should be used carefully - if there are large scale changes it is better to re-optimise as the balance of costs and waste may change significantly.



Common patterns can be stored in the pattern library to use as templates for other jobs.

Export cutting data

As well as sending data to a saw cutting data can also be exported to our standard PTX (Pattern exchange) format; either as an ASCII file or MDB database file.

This format has been in use for many years and several manufacturers use it for extracting data for post processing for other machines:-

- transfer to other office or production database systems
- control of destacking machinery
- control of edgebanders
- sending information to other stations in a cutting line.

Full control of imported data and clean part lists

These days it is much more common for part list requirements to be imported from other systems such as an Order system or Sales database. In these cases the data is often in a variety of formats and the incoming data contains records and fields that are not used in optimising.

The *Part list import parameters* allow you to describe the format of almost any external file and to specify the fields required for optimising (part code, length, width quantity etc.)

It often happens, as well, that not all the part sizes can be optimised e.g. thin rails or bought in items. Using the *Cutting list rules* option allows any imported list to be further refined and corrected automatically.

The program can also deal smoothly with converting from data in fractional or decimal inches to millimetres (or vice versa).

Comparison of Optimisers

	Lite	Standard	Professional
Part List	LO	SO	PO
Metric or Imperial dimensions	•	•	•
Grain/cross grain or ungrained parts	•	•	•
Exact quantity or over/under production	•	•	•
Maximum part sizes per part list (undivided)	10,000	20,000	20,000
Mixed material lists - unlimited materials per job	•	•	•
User-defined part list information fields	99	99	99
Configurable part list editor	•	•	•
Grain match - master part templates		•	•
Import			
Import part/cutting lists from user-defined csv, xls(x)	•	•	•
Import board lists from user-defined csv, xls(x) files	•	•	•
Import patterns - from PTX		•	•
Cutting list			
Multiple boards & offcut sizes per job	•	•	•
Cutting list rules - user defined tables	•	•	•
Allow alternative materials per part		•	•

Comparison of Optimisers (continued)

	Lite	Standard	Professional
Optimising	LO	SO	PO
Small/medium quantity sheet optimiser	•	•	•
Timber/workshop cross cut optimiser	•	•	•
Strip production optimiser			•
Full sheet over production optimiser			•
Volume optimisation			•
Auto optimiser selection			•
Pattern complexity controls	Limited	Limited	•
Saw kerf & trim settings	•	•	•
Separate kerf for rip and crosscut saws			•
Optimisation based on material cost	•	•	•
Optimisation based on cost (material + cutting time)			•
Vertical strips in head cut patterns			•
Maximum part sizes per optimisation	10,000	10,000	10,000
Maximum pieces per optimisation	10,000	10,000	Unlimited
Faster optimisation with multi-core processors	•	•	•
Batch optimisation multiple lists - up to 250 jobs	•	•	•
Strip production optimiser			•
Full sheet over production optimiser			•
Volume optimisation			•
Extended optimisation parameters		Limited	•
Control of open parts or pallet groups			•
Control of part priorities			•
Control of 'plus part' preference			•
Free cut analysis			•
Material parameters		•	•
Mixed material stacks			•
Re-optimisation of remaining (unproduced) parts			•

Comparison of Optimisers (continued)

	Lite	Standard	Professional
Export	LO	SO	PO
Export report data to Access database	•	•	•
Export summaries to XLS(X) files	•	•	•
Export summaries to PDF	•	•	•
Export patterns to DXF files	•	•	•
Reports, forms and labels			
Batch, job summaries	•	•	•
Part, Board, Material and pattern summaries	•	•	•
Offcut summary	•	•	•
Part costings - Weight calculations	•	•	•
Cutting time calculations/saw simulation report		•	•
Dashboard - graphs and bar charts	•	•	•
Configurable reports & summaries	•	•	•
Form design - part lists, patterns	•	•	•
Label design - includes bar codes & pictures	•	•	•
Labels for parts and offcuts	•	•	•
Stock			
Material library with boards and offcuts	•	•	•
Automatic stock issue from jobs	•	•	•
Import stock adjustment from file	•	•	•

Comparison of Optimisers (continued)

	Lite	Standard	Professional
Patterns	LO	SO	PO
Thumbnail preview of patterns	•	•	•
Pattern display - colour coded or material texture	•	•	•
Pattern editor - add, move, delete parts	•	•	•
Cutting intructions for saw operator	•	•	•
Pattern Library -standard templates -grain match ptns.		•	•
Manual patterns		•	•
Beam saw interface			
Transfer to Single saw - Cadmatic 4 only	•	•	•
Transfer to online label PC		•	•
Transfer to Single saws - most types		•	•
Transfer to Angular saws			•
Transfer to Weeke Cutting centre			•
Transfer to Multiple saw //multiple saw parameter files		•	•
Tension trims, split waste, waste strip setting		•	•
Support for PCD device/split program fence		•	•
Support for combiTec - recut processing parameters			•
General			
File maintenance - copy/delete files	•	•	•
Backup & restore data	•	•	•
Integrated local (offline) comprehensive help	•	•	•
Link to website	•	•	•
User profiles	•	•	•
Windows XP/Vista/Win7/Win8 platforms	•	•	•