

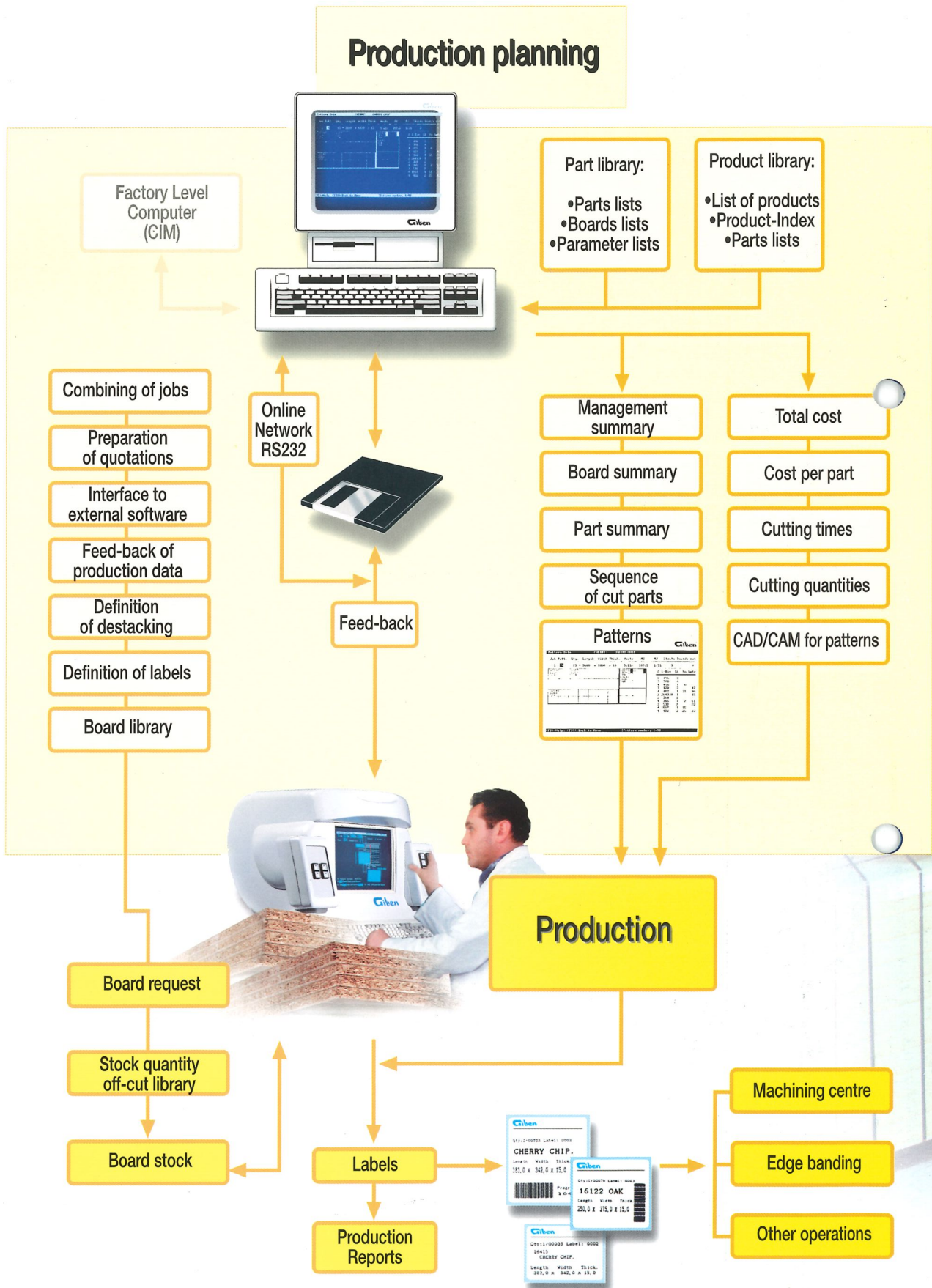
OPTIMIZATION SOFTWARE

OPTISAVE

Giben®



Production planning



Strip optimization algorithm

- Part with same width are automatically combined into one strip.
- Manages third phase cuts (Z-cut) also in strip optimization conditions.
- Rest pieces are recycled and managed by later optimizations.

Exact quantity optimization algorithm

- Optimizes exactly the required quantity.
- Does not generate over- or underproduction.
- Groups parts with matching grain when permitted.
- Usable rest pieces are recycled and managed by later optimizations.
- Single part overproduction freely managed by parameterization.

OPTILEDI

OPTILEDI is a preprocessing package used in conjunction with OPTISAVE and OPTIBATCH. OPTILEDI supports OPTISAVE normal optimization and production planning functions by acting as a batch preprocessor. When it is more convenient to work with cutting lists of different material colors and thickness, OPTILEDI provides a simple solution.

OPTIBATCH

OPTIBATCH is a special version of OPTISAVE that is capable of optimizing batch data in a combination of one or more order files, i.e., a combination of one OPTILEDI or by some other application which can create a fixed field ASCII text file. OPTIBATCH differs from OPTISAVE because it provides additional functions in a batch menu to operate on an entire batch at once. Furthermore OPTIBATCH offers all functions as well.

GIBEN OPTISAVE

JOB: STRIPS PATTERN DATA

Job	Qty.	Length	Width	Thick.	Waste	Sq.Mt.
1	1	3660	900	19	13,358	3,3

BOARDS TO CUT, MACHINE PROGRAM AND PARTS PRODUCED

1*3660x900x19 WHITE

C	Dim.	Qty	Rest
2	3660	1	
3	900	1	
4	3660	1	

Order: DESK5

Pos	Description	Qty.Rqd	Length	Width	Done	Left
2	END PANELS	3	900	900	3	
22	SMALL END PANEL	1	700	606	1	

GIBEN OPTISAVE

JOB: DESK5A PATTERN DATA

Job	Qty.	Length	Width	Thick.	Waste	Sq.Mt.	Cu.Mt.	Cycle	Stacks	Time	
5	19	1	3660	1550	16	22,715	7,7	0,09	1402	1	6m

BOARDS TO CUT, MACHINE PROGRAM AND PARTS PRODUCED

1*3660x1550x16 WHITE16

C	Dim.	Qty	Rest
2	450	1	60,4
3	600	2	345,6
4	450	1	
2	1100	1	
3	1200	1	350
4	1100	1	
2	251	1	
3	246,8	4	35,2

Order: DESK5

Pos	Description	Qty.Rqd	Length	Width	Done	Left	Over	Sq.Mt.	Cu.Mt.
9	DRAWER FRONT	2	816	201,7	2			0,33	0,005
29	END PANEL	74	301	120	2	2		0,07	0,001
25		1	830	210	2	2		0,35	0,006
31		3	1100	1200	1	1		1,32	0,021
41		4	450	600	1	2		0,54	0,009
43		1	600	310	1	2	1	0,37	0,006
39		3	830	680	1	2		0,56	0,009
40		1	680	680	1			0,46	0,007

Quality: WHITE16

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JOB: DESK5A PATTERN DATA

Job	Qty.	Length	Width	Thick.	Waste	Sq.Mt.
5	3	1	3660	1830	16	

BOARDS TO CUT, MACHINE PROGRAM AND PARTS PRODUCED

1*3660x1830x16 WHITE16

C	Dim.	Qty	Rest
2	1558,3	1	3
3	900,5	2	24,6
4	1558,3	1	
2	2094,3	1	

Order: DESK5

Pos	Description	Qty.Rqd	Length	Width	Done	Left	Over	Sq.Mt.	Cu.Mt.
12	END PANEL	2	1558,3	900,5	2			2,81	0,045
18	DRAWER FRONT	17	303	303	12	5		1,10	0,018
19	DRAWER FRONT	16	430	303	6	10		0,78	0,013
40		2	650	900	2			1,17	0,019
36		6	380	900	2	4		0,68	0,011

Quality: WHITE16

Series optimization algorithm

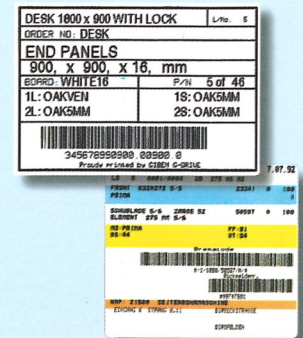
- Manages production performance - uncomplicated cutting patterns for swift machine operation.
- Minimum rests.
- Groups parts with matching grain when permitted.
- Optimizes to cut the boards at maximum stack height.
- Produces overproduction as necessary.

LABELING SYSTEM

When necessary, the labeling system option, alphanumerical and barcode, production planning information can be advanced from machining center to another machining operation.

OPTISAVE labeling system lets to print labels in various formats and methods:

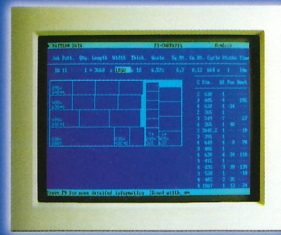
- Part list order
- Cutting sequence order
- Stack label
- Strip label



07.0.524.00 2/ 2 58 Kabiner-Buyard
 Job:7203/ 4/ 70 H5bel + Theky
 51 Mittelreihen 712. x 576. 119/ 1

GIBEN OPTISAVE

A full featured package of panel optimization, production control and analysis software; useful for any operation requiring flexible and productive yield management in addition to panel sizing pattern development; Optisave is particularly effective when utilised in conjunction with the Giben range of computerised panel saws. Specifically designed by Giben for panel processing



manufacturers, this software is designed to accommodate the needs of the small and large company alike. Features allowing the continuous monitoring of production and actual control of machine functions other than pattern generation combined with optional data transmission, cost calculation and label generation, make Optisave the most powerful tool for panel processing and control available today.

BOARDS

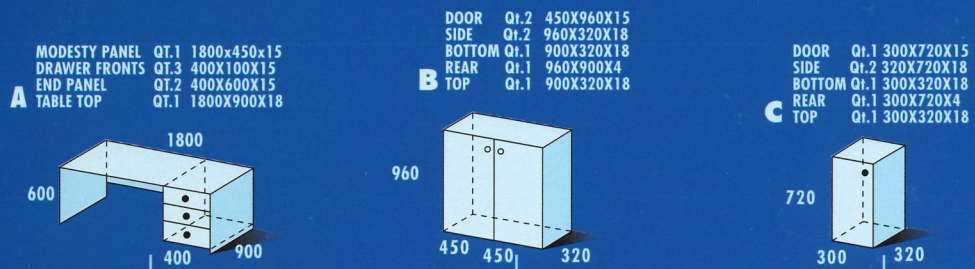
C Dim

2 3660
3 900
4 3660

Order: L

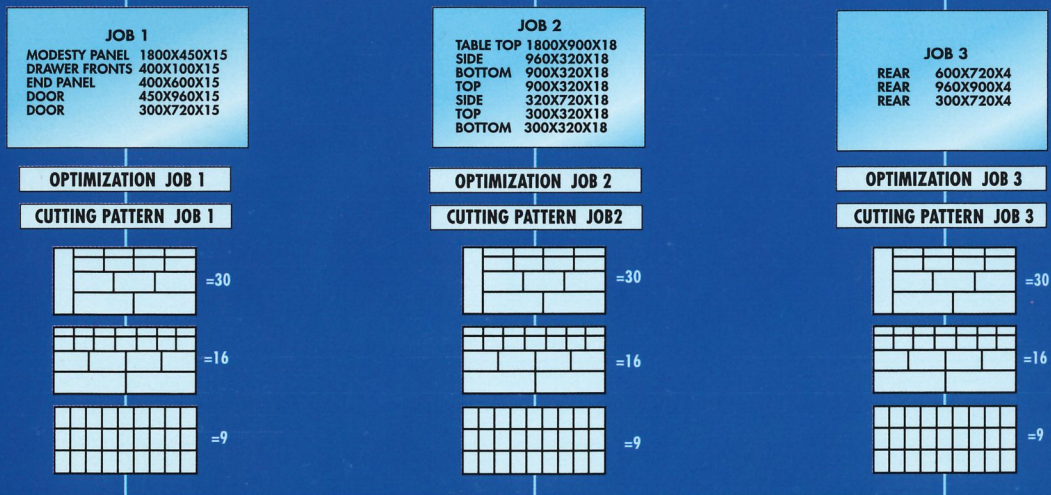
Pos Desc

2 END
22 SMAL



DECISION QUANTITY FOR UNIT A-B-C

SPLIT TO JOBS



LABELING OFF - LINE

CUTTING OPERATION
LABELING ON - LINE

SORTING

Giben®

GIBENIMPIANTI S.p.A.
MACCHINE E IMPIANTI DI SEZIONATURA
40065 PIANORO - BOLOGNA - ITALIA
Ph. +39-0516516400 - Fax +39-0516516425

E-mail: gibenimpianti@giben.it

GIBENAMERICA INC.
PANEL SIZING MACHINES AND SYSTEMS
NORCROSS, GA 30071 - USA
Ph. 770-448-9140 - Fax 770-448-9133

GIBENAUSTRALIA PTY.LTD
PANEL SAWS AND ANGULAR SYSTEMS
WELLAND SA, AUSTRALIA 5007
Ph. 08-8346-4884 - Fax 08-8346-0488

GIBENdoBRASIL
MAQUINAS E EQUIPAMENTOS LTDA.
CEP. 81450-080 CURITIBA - PR - BRASIL
Ph. 041-3471030 - Fax 041-3471121

GIBENCANADA INC.
PANEL SIZING MACHINES AND SYSTEMS
Weir, Québec Canada, J0T 2V0
Ph. 819-687-3234 - Fax 819-687-8466

GIBENDEUTSCHLAND GmbH.
MASCHINEN UND ANLAGEN
ZUM AUFTEILEN VON PLATTEN
D - 72186 EMPFINGEN
Ph. 07485-1041 - Fax 07485-1058

GIBENdeESPAÑA S.A.
MÁQUINAS E INSTALACIONES PARA SECCIONAR
08015 BARCELONA - ESPAÑA
Ph. 93-4237993 - Fax 93-4260469

GIBENSCANDINAVIA A.S.
MASKINER OG ANLÆG FOR TRAEINDUSTRIEN
DK-5260 ODENSE S - DENMARK
Ph. 0045-65-958262 - Fax 0045-65-959449

GIBEN U.K. LIMITED
PANEL SAWS AND ANGULAR SYSTEMS
NG7 2NN - NOTTINGHAM
Ph. 0115-986-2150 - Fax 0115-986-2159