

Maestro optiwise



THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

HMI AND NAVIGATION BAR - window structure





HMI AND NAVIGATION BAR – navigation bar





.

HMI AND NAVIGATION BAR – working environments

UTILITY:

It includes the tool for importing data from a spreadsheet and a number of program "utility" functions, such as importing and exporting cut lists, material stocks, and the entire optiwise database



Utility

STOCK:

Includes panels stock and edges stock



loenda

ORDERS:

includes all created jobs (already optimized or still to be optimized)

AGENDA:

DASHBOARD that contains all production-related statistical information: graphs, activity calendar, ...



HMI AND NAVIGATION BAR – dual data display modes

Within each work environment there are 2 different data visualization modes: - graphic visualization:

0 8	Anna Carlos Anna Anna Anna Anna Anna Anna Anna Ann		
C RESULTS	were set (see		•)
Mathematic Mathema	Services Marcels <	Anno ann, 1995 Anno 2008, 1946 Anno 1024, 1948	
		Notice 1	

- tabular visualization:

						_												
				aux -				Anticasti March	net							- 6		6
	6			0	91						*	17						n
RESULTS						100					with	Histori	-	-			÷1.	11 1
2606	60006.021100.0			Internation (
[]] bootstaat	ATHENAS.	(Malaine)	0000002	WITTING.	monución	rijikiars	PEOS TRANSF	ica :										
11 101 101, 101, 101 0	CIT BATTING	4004 con 1903 778	Defeat	(ROD av)				Sec. Tor	INVESTIGAT.				Avera seating					-2-21
8108,394,181	. Inserviced	anthier- of 111	Default.	1977.1473				333,000	weathing				LEPS OF MIL					1000
C. C.H. HUMPH	A fightered	galations grif 113	Defeut	100 127 247 1	10145			N	HADYS NO.				1075 TOTAL 18	4				1000
				110.1	Tairupt	11	(95.49) · · · · · · · · · · · · · · · · · · ·	(Papeteriore)	- Deserver	100058	TRA		WATE N.I	WASTE NO	IWASTE NO	17	TOTAL TIME	11
					1.1	3.467.0	1246		7	3.1	21,888	20,788	3.05		5	2,02%		
						1381.0	1.5443				4.182	8,908	1.045		8%	2,08%		
						24600	1240				1284	2,645	1,198		1%	7.19%		
						2463.0	1.2440		1		3,084	2,167	3.045		4%	3154%		
						2460,0	1.14(1		- ([#]		11.442	20,504	4.395	- 43	(h)	4,82%		
						248.0	1,144,1		1.8		1,094	3,867	1.025		10	4,49%		
						2.465.0	1.3843				0.138	8,725				5,776		



HMI AND NAVIGATION BAR – custom tabs

Each tab has the ability to be customized :

It is possible to customize the order of columns and filter the display of data, quite similar to Excel

PART	VARTS													
No.	Code	Description	Thickness In	•	Length	Width	Q.ty	Var. +	Grain +					
1	1210-23586	Bottom par-	Filter Rules Filter Values	18,0	763,5	506,5	10	0	Not grained					
.6	634-13181	Bottom par	Search	18,0	763,5	82,0	10	0	Not grained					
11	1210-23586	Bottom par	Cam (ann)	18,0	763,5	506,5	14	0	Not grained					
16	634-13181	Bottom par	Rack (JT)	18,0	763,5	82,0	14	0	Not grained					
23	1986-13353	Bottom par	Bottom sanal (54)	18,0	263,5	610,0	10	0	Not grained					
33	1986-13353	Bottom par	Deer (102)	18,0	263,5	610,0	10	0	Not grained					
64	1986-24163	Bottom par	Drawer back (10)	18,0	313,5	610,0	10	0	Not grained					
102	930-21598	Bottom par	Drawer bottom (5)	18,0	263,5	330,0	10	0	Not grained					
109	930-21598	Bottom par	Filler base (28)	18,0	263,5	330,0	10	0	Not grained					
116	930-21598	Bottom par	Left side (54)	18,0	263,5	330,0	2	0	Not grained					
123	930-21598	Bottom par	Middle panel (2)	18,0	263,5	330,0	2	0	Not grained					
130	930-23438	Bottom par	Right side (54)	18,0	725,5	330,0	10	0	Not grained					
137	930-23438	Bottom par		18,0	725,5	330,0	14	0	Not grained					
145	930-14224	Bottom par	Clear Filter	18,0	763,5	330,0	10	0	Not grained					



HMI AND NAVIGATION BAR- help online command



In the portion above the navigation bar, in addition to the classic quick commands, there is also a "Help" button:

	MALETRO Ope	Wine	-			🕐 – e o
Qil Agenda	Crdm) Saak	* -			പ്രിന്വ 🗅
			PARTS HIGTLIGHT	otarrial	• + Harri ~	
O DESCRIPTION						
STATISTICS						
554,579 🕗 WASTE %7			7,61% 🕢 MACITIME			7.3605
511,990 🕥 WASTE 512			7,08% 🕜 OPER, TIME			1.0405
59 🕢 WASTE %3			7,68% 🕜 TOSAL TIME			840.10
Repetitions 8 3	Reputitions 8 4	Repetitions: 7 5	Repetitions: 2	(6))	Repetitions 1	

This command provides the user with the main information about each parameter, subsection, or button.



Dynamic machine link- Advantages







SETTINGS/CONFIGURATION



The configuration page can be reached from any window via the gear the lower right corner and present at any page. It is divided i 3 main areas:

button in



MACHINE PROFILE/S – command bar



CONFIGURATION			
	₽₽₿å≛		
Generic	^		
General			
gabbiani gt2 115	^		
General			
Timings			





Optimization parameters – command bar



CONFIGURATION			E		
	/	a r		-	
Generic ^	1				
General					x
gabbiani gt2 115 ^					
General					
Timings					
Optimisation					



To insert a new «optimization parameters profile»



Optimization parameters – parameters values 🤃

This section allows to set the parameters that condition the optimization (algorithm, trims, n. of cut levels etc.)





HMI AND NAVIGATION BAR – Menu Utility

The Utility menu consists of 3 Sections:





OPTIMIZATION PROCESS

VIDEO CAPTURE – OPTIMIZATION PROCESS





.



How to open the Excel file inside optiwise:



IMPORT XLS

NOTES

- The electronic spreadsheet can be also manually filled.

- Modification and/or new editing done on the electronic spreadsheet inside optiwise won't save the changes on the original spreadsheet file

TS REPART	0	12		21015	- 2	-							
	e 1	- E	10.0	1		61	1.1	1.0	1	-		and a local	
UTT DATA	DOLOMIN .		-					1.100	THE OWNER	-	2011	_	
sde:	Ta		Hone	mescopeon	costrymaterial	do redance	length	width	meknen	grain	-		
exception			11-11-11-11	Bullet State	211240.18	10	194.4	. 108.3		-	-		
120	10		1108-2008	1,611,008	14174211	14	188.0	111.0	- 14	- 1-			
	1		1152-20001	Right side	010.41_11		120.0	210.0	18	÷. 0			
ACREATE THE			410-20898	Sain	010,75,8	18	1187	181	- E	- E -			
rigiti .	(e	1	104-12110	Dispert sets	200,49,10	=	181.8	12.0	- 11	(E -			
Nates	0.6	1	814 12181	Ballart parm	1710_9%_16	18.	151.5	42.0	18	. 8			
untity	Tel	18	740-00655	Daw	1000_20_10	16	312,0	10030	- 18				-
w/production		3	146-01081	Dav	1950_8A_11	19	11.3	制机发	10.	- 0			
aderproduction		20	131-5155	dait are	04(0_PE_18	18	140.0	945.0	- 11	0			
	4	11	107-0456	Might able	81,94,910		140.0	940,0	18	۰.			
write.		10	121323100	Batton perail	2/12,26,16	14.	192.4	008.4	18	4			
et en et		1.1	1448-2000	ist site.	1012,96,16	HC	128.0	#18.0	- 11				
mint.		14	1152,20101	Right site	010,25,18		128.0	100	- 11	0			
eid 2		19	410-20898	5 Sector	111,95,3	- H)	118.7	180	- 1	- E -			



stock)

To give each Excel column the specific field:

	πs	3L	1	- I ×	√ fx									
			Α	В	С	D	E	F	G	Н	I	J	K	L
PART DATA	COLOMN	1	Code	Description	color/material	gty required	length	width	thickness	grain				
Code	а	2	1210-23586	Bottom panel	0110_PE_18	10	763,5	506,5	18	0				
Description	b	3	1339-2930	Left side	0110_PE_18	10	720,0	610,0	18	0				
Color	c	4	1352-20961	Right side	0110_PE_18	10	720,0	610,0	18	0				
Thickness	g	5	436-20696	Back	0110_PE_8	10	713,7	789,0	8	0				
Length	e	6	634-12116	Support strip	0110_PE_18	20	763,5	82,0	18	0				
Width	f	7	824 12101	Pottom uppol	OTHER DE 40		782 E	92.0	10	0				

Fill out the tab according with the spreadsheet columns

ATTENTION

- Selecting the "PARTS" table configures the Cut List.
- Selecting the "FORMATS" table configures the panels warehouse (material stock)



When importing the materials stock (panels warehouse):



Materials IMPORT





IMPORT XLS

RTS FORMAT	rs		A1		•	× ✓ ƒ _× code					_			
				А	В	С	D	E	F	G		н	1	
FORMAT DATA	COLOMN		1	code	descr.	mat. type/color	leng	width	thickness	rtv		price	Usable	
Code	a		2	F1	PE 18	0110 PE 18	2463	1244	18		-1	6	1	
Description	b		3	F2	PE 8	0110 PE 8	2463	1244	8		-1	6	1	
Color	c		4	F3	16MM	2 11 16MM	2463	1244	16		-1	6	1	
hickness	f		5	F4	SN 18	8508 SN 18	2463	1244	18		-1	6	1	
ength	d		6											
Vidth	e		7									_		
Quantity	g	-	8											
ype			9											
rice	h		10											
Grain			11											
wailable	i	-	12											
)riginal Code			13											
lin. Quantity			14											
trip			15											
			16											

• Column *Quantity*: set the quantity of panels available in stock or:

*set 0 if not available

- *set -1 if it's not necesary to manage the panels warehouse (infinite quantity)
- Column Available: COMPULSORY FIELD
 - *set **0** if not available (not usable) *set **1** if available (usable)



Go back to and click the arrow on command UTILITY and open the xls file with the cut list





When importing the cut list

1										RAAS	ETTIO Opt	oWise					
0)(Qil Agenda			į	() Defens			Stock			×	
NORT XLS		A2	+11-	- S	23586						101						
PART DATA	COLOMN	1000		100	D	-	There		-		dhi -	87	E.	84	14	0	
Code		Code	Description	color/material	dtA vedniner	Lingth	width	thickness	main		_	_				_	
Description	1	1210-23	ab alotton phoer	0110_46_10	10	2.690.00	200.5		0								
Calor	4	10000	12 Lattens	1110_9%_78		190.0	810.8		-								
Thickness		1000 miles	at the state	DIG PE B		1112.0	100.0			-							
Length	e	116.17	T Report and	0100 WW 18		With R	37.0	1.0	-								
Width.	1	114.21	1 Serrere paral	Diel Per ha	10	WER	82.0	14									
Quantity	d	140-216	Disar	2010 201 10	10	717.0	part si	18	2								
Dverproduction		7+6-270	Dust Direct	0000 584 16		117.0	240.0	1.46	0								
Underproduction		33 245-62	6. Lattacks	8113,945,18		746.2	540.5	- 16									
Grain	h	25 225.64	i fightaine	DITE_PE_TA	- 12	140.0	340.8	18	-10								
Bringelle		#2 1110.21	Bit Series paral	0110.94.16	. 19	701.8.	100.0	18	- 21								
aul 23	- 1 - 1	A Avenue and Alla	7 Timester	Optresprise Data	#1. Aur no. column	+		_				10					
					D .		2										
Select th Ensure th \rightarrow fill out	e lines hat the xls the tab «P	Column [.] ARTS»	Field as	ssociatio	on is co	rrect) Import	lt a	allows eady c	to add created	lines/p	arts to

Select the command «New» and assign the name of the ٠ new optimization project/job on the dialog window

New job		
NAME	٢	
DESCRIPTION		
OPEN JOB AFTER IMPORT		۲
		Create Cancel

NOTE

Does no matter if you are processing one or more materials/types in fact optiwise will automatically split the material types to create an individual job/optimization for each material types.

stock)

When importing the cut list



If not enabled

The job is however created and saved in the "Orders" environment but optiwise remains at the Excel screen to allow any other jobs to be imported. The new job can be recall to be optimized from the section "Orders"

The software will automatically open the new job in order to quick



DEEPENING – Search filters in "Orders" section





DEEPENNG – Editing tools in the "Orders" section

				_		www.mo	(Card Nine				🥐 – 🕫 🗴
0 6				- Agenta			2		× .		A
ORDER											
08068	Giano			100.75**0	W				ORAND ON	Tertholiwa Muzica	
100				EUCTOWER					CHANNED ON	10/09/2002 (4/20/21)	
BAICH				ADGREET					DELATED ON	Tarlact a data	15
HAST SHEREADOW				TEEPHON	1 Ba				 Receive 		00050
				EM46.					+ WICKIPPCI		
WODE							2		(Dilvi	Bat opposite	
Lawren 1						1	S				
Real From	Theorem 1	Manual P	Thinkeys A . Lough	Colores -	On-	+ (1)++ ()	Theo w	1000	1 Marine		
E can 15	DETM	- 10 mar 100	16.0	256.0	CERNIC	14	8 But opened	1.000	in the second se		
6 parc17	DETM	mat.36	18.0	306.0	1,308,11	160	E Not paired		6		
T per,1h	DETAIL	mat 20	10.0	308.0	1.006.07	748	E fist panel		4		
\$ par_13	DETAIL	mac,20	18.0	296.0	1,006.0	748	() Not grained		9		
2 pag 11	DETM	euc,26	10.0	256,0	12060	96	If histociced		4		
FT (441,79	26744	44.30	- 10.0	306,0	1,208.0	188	3 Not priced		0		
E.pet, H	DETMO	11.0°,20	- 101	306.0	1.22%.0	144	 Net prened 		8		
F((101))14	DELF	14,20	10.0	308.0	L00K0	144	0. Fort grained				
# part 0	DETM	4.8.20	10.0	308.0	1,208.0	144	D. Not general				
E per to	10516	100,00	10.0	204.0	1208.0	100	0 Not proved		30		
1.14014	DE LO	100,00	PRV	2040	1.0000	1. 1997	e costilianes				
The "o	order" pag der to deta	e allows nu ill the order	umerous fields to t r/job as much as p	e edited in ossible	i.						
				B R	1 2	드 프 1		<u> </u>	lafe, Recent		(B) Setter



DEEPENING – Importing of jobs and material stock from previous SCM's optimizers software

optiwise allows you to import orders/jobs created by old SCM's optimizers software (Maestro ottimo cut or Maestro perfect cut) without the need to re-type or re-import from a spreadsheet.

For the importing are necessary only 2 actions:



OPTIMIZATION PROCEDURE–Generalities of the optimization process

ATTENTION

PERFECT OPTIMIZATION DOES NOT EXIST

you always have to find a compromise between 2 production needs

Scrap Percentage

Time Required for the Job/Order Execution

Normally, these two parameters are inversely proportional, i.e. as the rejection rate is reduced usually the job execution time increases and vice versa

The goal of optimization, then, is to find the best trade-off between scrap and lead time, relative to cost. For one customer, it may be more important to keep scrap low at the expense of time in order to reduce material costs as much as possible; In other cases, however, it can make sense to save on production time, so as to clear the backlog, or to reduce fixed energy costs.



OPTIMIZATION PROCEDURE – Generalities of the optimization process Time calculation

To be able to perform the time calculation, it is necessary to connect the machine to the optimizer, or to import the parameters of the desired panel saw machine.

In order to insert the parameter configuration related to a panel saw, the following steps must be followed: Machine's parameters importing for the time calculation

28

	CONFIGURATION		NEW N	/ACHINE			
-0-	Generic Ceneric GT3 130 56 pirevole		NAME START P/	New machine)].[]	: 55001
रुउ Settings	GT2_30_FC15_GIR Optimisation Export	*				СНЕСК С	DK Cancel
	Edges Authorisations Options About			Altores de la constata Maccine d' la constata Altores d' la constata Casadia Partino P	Out Out Show Freemand Notare	Université et al. Robert de la constant de la const	Toos Toos Toos too Too too Too too Too too Too, Too May, Too
When made setting	ever a change is from the default gs, it must be saved	Save and exit		Tra IC 3 10 Opens Dootes 7 November 4 C (Filtrame	-	Film (* cml) Open C	- C

OPTIMIZATION PROCEDURE – Generalities of the optimization process Time calculation



ATTENTION

Once the machine(s) needed for the optimizations have been entered, this operation will no longer be necessary as it will remain in memory within the optiwise database



OPTIMIZATION PROCEDURE– Orders/Jobs processing (optimization)

Once a new job order is created, the first step for optimization is as follows:

8						witten	C) Charing				0 - 0
0 8				Gi Igenda		Colem	() 200		× unity		1
ORDER							4), 				
CHITTA	SOLD DODES 238	tia.		DECEMPTO	AU DE				CHEATER	pices 20/00/2013 18/03/7	
icim	(Contraction of the			OUTTOWER					CHING	ED.CW.	
1994				allohest					- inate	en pai	
									-	AN OLD THEFT & HOLE	
MSK 99630540596				16,4949,014					5 995,81	*	0000
				EMAL					 IVPQR 	anca	
vones.	ļ								\$9/92	Dynamical	
dutre 1						2	^				
No Code	Description	Ditat +	Nidows () + Levels	+ 16.05	Ge.	Var. +	0	Moneori	Notes		
42 45		900	21.0	2.011.0	98.0	+	(). Not grained		8		
40.40		200	22,0	2,070,0	98.5	3	0 Not grained		5		
18 42		400	22,b	2,002,0	548(0	3.5	0 Kat greinen		2		
37 40		900	215	2.010.0	546.0	1	0 Not grained		8		
76.10		900	22.D	2.071.0	98,0	1	0. Not grained		\$		
14.32		400	22,0	2.070.0	08.0		0 Not graned		0		
10 34		003	22,0	2,002,0	548,0	<u></u>	II Not grained		2		
31.34		303	25.0	10100	548,0	3	0 Not graned		\$	1-0	
8.6.		630	22,0	2,079,0	108.0	N	10 Not granted		0	1110	
4.4		100	22,0	2,010,0	100.0	1	.0 Not granted		2		
		100	21.0	20/00/	100.0		0 Not graves			Results	
		NW.	61.9	29/40	2003		W. Weit (Carrieri				
				8 8	6	0 1	88	C I	lat.		
				See Second	Day	- SMAR	Graph Ar	attests	- D.		
				See Second	, Carry		Graepi de	et fendes	<u>_</u> [h	η	



material/typology

OPTIMIZATION PROCEDURE– Orders/Jobs processing (optimization) After clicking on "Results," the work page shown below will open.

OP	TIMIZATION and TIME CALCULATION will be carried	l out f	rom	here
		A CONTRACTOR OF		

-							MARSING	(Containing							- 3 4	
0	6				Q I Agente		(2) Others	Des		*	-				n	
€ RESU	LTS						17	-		NETS	Haraun -	citarul	• - 10	HTL ++	· # =	
CROKE	1000 00000 20	0100		preceito	DN					2-00		Contract Inc.	11.115		1.111.000	٦.
0.000																
AAATER64	au status	MACHINE .	(#850AL #)	AUTERA	 prioductri 	ON PORMATS	PROS STATISTICS									
E2022	Cateman .	ET2_IN_FC15_GR	Constant,	GROSS	ei ^t i			HEARE WALLER NO.			(10)	INC. HACTIVE			10500	
00012	Optimized	(IT2,30,FC15,498	Contactor.	NET OF	0 =			ALLER WALTERS			113	THE DEEK THE			8.48.05	
20822	Optioner.	072,30,5014,604	0.000	No. DEP	800011a						10	TODAL TIME			1,210.04	
0382 41723 89877	(Dyterror) Epicecet	010,30,FC15,68 0112,30,FC15,68 0113,90,FC15,688	Larine Langer													
			FT/3/1 /31 IT 11/37													
FATUS: H	ere you find ot Optimized	the "optimiza	the same n ation status Error etc.)	" for each	t ii	ne time ca mported/lir PROFILE: PARAMET favor of tim	Iculation (mac hked) Here you can RS PROFILE he or material)	select the C (which will c	DPTIMIZA	TION ptimization	in s	Patterns") a Patterns") a naterial. The sheet "I shows the to over the tot	process ic patterns wi and also all Patterns" a me needed al time)	Il be repre I statistics Ilows also d to proces	sented here related to ea the tabular v ss each cutti	(sl ach /ie\ ng
TATUS: Heaterial. (No	ere you find ot Optimized	the "optimized,	the same n ation status Error etc.)	aterial	t ii f	PROFILE: PROFILE: PARAMET avor of tim	Here you can RS PROFILE the or material)	select the C (which will c	OPTIMIZA ⁻	TION ptimization	in s	Patterns") a Patterns") a naterial. The sheet "I shows the ti fover the tot	process in patterns wi and also all Patterns" a me needed al time)	I be repre I statistics Ilows also d to proces	the tabular vess each cutti	(s ach /ie ng
TATUS: Haterial. (No	ere you find ot Optimized	the "optimized,	the same n ation status Error etc.)	" for each	t in F f	PROFILE: PARAMET	Here you can RS PROFILE te or material)	select the C (which will c	OPTIMIZA ^T condition o	TION ptimization	in g	Patterns") a Patterns") a naterial. The sheet "I shows the ti over the tot	process in patterns wi and also all Patterns" a me needed al time)	I statistics lows also d to proces	the tabular vesse each cutti	/iev ng
TATUS: H aterial. (No RESULTS	ere you find ot Optimized	the "optimiza	the same n	" for each	t iii F F	PROFILE: PROFILE: PARAMET avor of tim	Here you can RS PROFILE the or material)	select the C (which will c	DPTIMIZAT	TION ptimization	in s	Patterns") a naterial. The sheet "I shows the ti	process to patterns wi and also all Patterns" a me needed al time)	I statistics lows also d to proces	the tabular vise each cutti	e (sl ach /iev ng
FATUS: H aterial. (No	lere you find ot Optimized	the "optimized,	the same n	" for each	The sector of th	PROFILE: PROFILE: PARAMET	Here you can RS PROFILE te or material)	select the C (which will c	DPTIMIZAT		in c	Patterns") a naterial. The sheet "I shows the ti over the tot	Patterns wi and also all Patterns" a me needed al time)	I statistics llows also d to proces	the tabular version of tabul	e (s ach vie ng
FATUS: H aterial. (No	lere you find ot Optimized	the "optimiza I, Optimized,	the same n ation status Error etc.)	" for each		PROFILE: PARAMET avor of tim	Here you can RS PROFILE te or material)	select the C (which will c	DPTIMIZAT		in to the second s	Patterns") a naterial. The sheet "I shows the ti over the tot	Patterns wi and also all Patterns" a me needed al time) Tabula	I statistics llows also d to proces r view	the tabular version of tabul	e (s ach viev ng
RESULTS	lere you find ot Optimized	the "optimiza I, Optimized,	the same n ation status Error etc.)	" for each		PROFILE: PARAMET Parameter	Here you can RS PROFILE the or material)	select the C (which will c		TION ptimization	in (Patterns") a naterial. The sheet "I shows the ti over the tot	Patterns wi and also all Patterns" a me needed al time)	I statistics llows also d to proces	the tabular version of tabular ve	(slach viev ng
RESULTS	lere you find ot Optimized	the "optimiza I, Optimized,	the same n ation status Error etc.)	" for each		PROFILE: PARAMET avor of tim	Here you can RS PROFILE he or material)	select the C (which will c	DPTIMIZAT	TION ptimization		Patterns") a naterial. The sheet "I shows the ti over the tot	Plotess it patterns wi and also all Patterns" a me needed al time) Tabula	I statistics Ilows also to proces	the tabular version of tabular ve	e (s ach vie ng
RESULTS	lere you find ot Optimized	the "optimiza I, Optimized,	the same n ation status Error etc.)	" for each		PROFILE: PARAMET avor of tim	Here you can RS PROFILE he or material)	select the C (which will c	DPTIMIZAT	TION ptimization	in s	Patterns") a naterial. The sheet "I shows the ti over the tot	Plotess it patterns wi and also all Patterns" a me needed al time) Tabular	I statistics Ilows also d to proces	the tabular version of tabular ve	e (slach viev ng
RESULTS	lere you find ot Optimized	the "optimiza I, Optimized,	the same n ation status Error etc.)	" for each		PROFILE: PARAMET avor of tim	Here you can RS PROFILE he or material)	select the C (which will c	DPTIMIZAT	TION ptimization		Patterns") a naterial. The sheet "I shows the ti over the tot	Patterns wi and also all Patterns" a me needed al time) Tabular	I statistics llows also d to proces	the tabular vise each cutti	(sl ach viev ng
RESULTS	lere you find ot Optimized	the "optimiza I, Optimized,	the same n ation status Error etc.)	" for each		PROFILE: PARAMET avor of tim	Here you can RS PROFILE te or material)	select the C (which will c	DPTIMIZAT	TION ptimization		Patterns") a naterial. The sheet "I shows the ti over the tot	Tabular	I statistics Ilows also d to proces	the tabular version of tabular ve	e (slach view ng

OPTIMIZATION PROCEDURE — Orders/Jobs processing (optimization)

After clicking on "Results," the work page shown below will open. OPTIMIZATION and TIME CALCULATION will be carried out from here.



A) Optimization and time calculation carried out independently

B) Optimization and time calculation carried out at the same time

X Optimise

1) Only panels optimization



2) Time calculation after the panels optimization (a machine must be selected)



Panels optimization and time calculation at the same time



OPTIMIZATION PROCEDURE– Orders/Jobs processing (optimization) OPTIMIZATION and TIME CALCULATION

Recap VIDEO

		-MALENO	Operation		¢		
0 8	94 April 10	(2) Orden		×			A
€ RESULTS				NATURAL	-insi-	 Figure 	- 20 0
(2015) Selected, 2016; 54, 10	DESCRIPTION						
C satters. Strite annual at annual at	Witness Production Ho	esen rece segments					
THE Set annual + Delair	(man (+))				5 ANCEN		1000
	102 mN		104129 52		9 CHER THAT		1000
	Has OK HOTHERS		9 WARTS NO		16 1000 (mill		80000
	K						
	> 0 0 3	5 25 88 88 85	H H		8 0	1).*



OPTIMIZATION PROCEDURE– Results

The page is divided into three areas:





OPTIMIZATION PROCEDURE– Results - Toolbar commands:



It allows to create a new cutting pattern(s). Activating this function brings up a window with the material formats available for the job. After selecting the desired format or creating a new open the cutting patterns editing/editing section will be open

OPTIMIZATION PROCEDURE– **Results** - Toolbar commands:



Sorts the patterns in ascending order with respect to the square meters of floor area of material format (cutting pattern)



Sorts the patterns in descending order with respect to the square meters of floor area of material format (cutting pattern)



Performs panel optimization and timing calculations of selected materials (check mark enabled) at the same time



80

Timing

Performs (only) the panel optimization of selected materials (check mark enabled) at the same time

Performs (only) the time calculation of selected materials (check mark enabled) at the same time



Performs optimization from a certain (selected) cutting pattern forward



Performs optimization of all parts (panels/pcs) that were not optimized with the first optimization due to incompatibilities between parts measurements and optimization parameters set for the material. On click, a box opens that allows redefining a set of optimization parameters specifically for these unoptimized parts

Stops the optimization process by completing only the optimization(s) already started (in progress before the "Cancel" command)



OPTIMIZATION PROCEDURE– Results

Graphic visualization:



Note: Double-clicking on the desired pattern will open the cutting pattern editor that allows you to view the details for each one

OPTIMIZATION PROCEDURE – Results

Tabular visualization:

PATTERNS PR	ODUCTION	FORMATS	PIECES STATISTIC	8										
GROSS (W)				370,741	WASTE 1UT				18975 MACT	IME			254.12	
NET (m ² 1				296,722	WASTE 9/2				19,97% OPER.	TIME			04037	
No. OF PATTERNS				57	WASTE S.I				19,97% TOTAL	TIME			4/15/09	
No.	Length		Willin	Repetitions	Cycles		GROSS	NET	WASTE %1	V0A57E %2		WASTE N3	TOTAL TUME	n –
	1	2.463,0	1,344,0		4		12,256	0,010	10,	14%	10,14%	10,	141. 00:04:12	
	2	2.463,0	1.244,0		t	1	1,064	2,473	10,	29%	19,29%	10,	299. 00.06:54	4
	3	2,463,0	1.344,0		5	1	15,320	12,320	19,	sex.	10.58%	10	581. 00.04:00	
	-4	2.463,0	1.244,0		4	11	12,296	9,444	- 22	95%	.22,95%	22,	951 00.04:30	4
	5	2.463,0	1.244,0		2	1.1	6,128	5,192	19,	27%	15,27%	15,	279. 00:03:34	4
	6	2,463,0	1.244,0		2	1	6,128	5,367	12,	4156	12,41%	12,	411. 00:03:49	4
	7	2,463,0	1.344,0		1	1	3.064	2,584	15	57.% ·	15,67%	15	671. 00-03:46	4
	4	2,463,0	1.244,0		2	1.8	6,128	5,156	15,	98%	15,86%	15	861. 00:04:41	4
	18	2.463.0	1.344,0			1	3,064	2,572	16	07%	16,07%	16	071. 00-03-15	4
	10	2.463,0	1.244,0		10	- 2	30,640	34,828	18,	9794	18,97%	15,	971. 00:03:42	4
	11	Z.463.0	1,244,0		6	1	18,384	13,432	26,	94%	26,94%	26.	941 00.03.31	4
	12	2.463,0	1,244,0		N		3.064	2,574	16/	00%	16,00%	16,	00:04:46	4
	-13.	2,483,0	1.344,0		3	1	3,064	2,570	16,	12%	16,12%	16,	121. 00.64:55	
	14.	2.463.0	1,244,0		2	1	6.128	5.267	14,	05%	14,05%	14;	05/0 00:04:25	4
	15	2,463,0	1.244,0			1	3,064	2,640	13.	64%	13,64%	13,	84* 00:03:15	4
	16	2.463.0	1,244,0		1	1	3,064	2,623	14,	1046	14,40%	14	40% 00.04.00	4
	17	2,483,0	1.244,0		1	1	3.064	2,264	26)	09%	26.09%	26	09% 00:03:37	
	18	2.463.0	1,244,0		3	1	3,064	2,409	21,	5776	21,37%	21,	37% 00-03-45	4
	19	2.483,0	1.244.0		1	1	2.064	2,260	26.	(45)	20.24%	26.	24*. 00.01:50	
	20	2,463,0	1.244,0		- 2	1	3.064	2,568	16.	1374	10,25%	10.	250.00.04.49	4
	-23	2.462,0	1.244,0		4	1	17,256	R.554	-22)	0476	22,04%	22	00.04.20	
	44	Z-463,0	1,344,0			1	6,128	4,942	19,	2009	19,38%	19,	201. 00.04.01	4
	23	Z.463,0	1.244,0		2		6.128	5,198	15,	18.%	15,19%	15	18. 00:04:14	4
	24	2.461,0	1.244,0		.14	- 1	42,896	35,896	16,	9%	16,12%	16,	52% 00:01:47	4
	-75	1.483,0	1.344,0		1	1	3,064	2,796	10)	79.5%	10,05%	30	05% 00:02:24	/
-	26	2.463,0	1,244,0			- 3	1,064	2,174	29,	23%	29,05%	20	00:04:00	4
	27	2.463,0	1.244,0		2		6,128	4,594	25/	33%	25,03%	- 25	03-00-04-20	41
	28	2,463,0	1.244,0		.11	- 2	33,704	27,787	17,	95%	17,55%	-17,	55' 00:03-26	4



DEEPENING – Cutting pattern EDITOR

The cutting pattern editing window is divided into four areas:

Information area related to panels/pieces and of the cutting pattern

Working and display area of cutting pattern

Area that allows you to select the cutting pattern on which you want to make changes or see its details

Here the cutting list related to the selected material is available for automatic insertion of parts within the cutting pattern. It is also possible to edit new parts/panels



Arr.16 Arrow 7 June

March Street

dia tan

Incardor

DEEPENING – Cutting pattern EDITOR

- Toolbar commands:



Allows to enter an head-cut to the imputed measure in the box



Allows to enter a rotated head-cut to the imputed measure in the box



Deletes the head-cut



It shifts the pre-cut to the left of where you clicked the mouse by a distance equal to the value imputed in the box



Deletes the remnants from the selected cutting pattern



Separates side-by-side cuts (block) so that pieces can be deleted individually by double-clicking



When you manually edit a cutting pattern it allows you to rotate the selected material format (cutting pattern must be empty)



It saves the changes made and returns to the previous page.



OPTIMIZATION PROCEDURE – Report



Job: Italkraft

Description:

GENERAL STATISTICS

8110, FE, 1612 81 81 80 00000 248 5.05% 5.05% 5.05% 5.05% 5.02% 5	~ of 24	Patt	Chapters .	Time Thicks	Q.ty	Waste Wi	Watte %3	Wante %3	Crief Ing	M*	м,	10720	M'S
Intro, FE, B and, FL, 10 Import Document. Import Document. Import Document. Setup, St, 1018 Import format Import Document. Import Document. Setup, St, 1018 Import format Import Document. Import Document. Att results Import format Import Document. Import Document. MATERIALS Import format Import Document. Import Document. MATERIALS Import format Import Document. Import Document. MATERIALS Import format Import Document. Import Document. State Import format Import Document. Import Document. MATERIALS Import Document. Import Document. Import Document. MATERIALS Import Document. Import Document. Import Document. MATERIALS Import Document. Import Document. Import Document. State Import Document. Import Doc	0110_PE_1815 0110_PE_18	305	-61	0.00.90 16.0	2485	\$ 00%	\$ 00%	5.00%	3245.76	\$12.00	8.22		
asso_sh_1sis Epert Document	0110_PE_86		-	44	-					172		86.01	3
2_1+1_10000110 Expont format Rdf 17 25.54 17 MATERIALS * More Options Rdf 14 14 14 MATERIALS * More Options Rdf 14 14 14 ri * More Options Rdf 14 14 14 14 ri * More Options Rdf 14 14 14 14 14 ri * More Options Rdf 14	8600_0N_1010 8800_0N_18	Esport Do	ument							×	334	63.73	12
MATERIALS ** More Options Bet Case Tr Statute Statute rs Drift_SE_Case Tat Statute rs Drift_SE_Case Tat Statute rs Drift_SE_Case Tat Statute 2 Drift_SE_Case Tat Statute 2 Drift_SE_Case Tat Statute 2 Drift_SE_Case Drift_SE_Case Statute 2 Drift_SE_Case Drift_SE_Case Statute Statute Drift_SE_Case Drift_SE_Case	2_11_1000010 2_11_10000	Expart fo File path	rmat Fix after	Fdf Fdf Htm MH						8	27	25-14	ä
51 b118_98_1381 b118_98_138		* More (Options	RH Disce							esidual	- 197	
Image		NOT BE VERY		an Xha								810 M	1.1
And Control to the sport it And Tet image Interms of the sport it Interms of the sport it	FI	0110,74,241		Cav							Inform	100.04	
After generating the report you will be able to decide in which file format to export it	r	STOR ON YOR		Tit							Inform	275.74	
After generating the report you will be able to decide in which file format to export it	=1	2_11_1646016	2	Image		10.0	1401.0	tier.		11110	orficia	18.38	2
After generating the report you will be able to decide in which file format to export it		Contract of the				1.19.000	19.44		363	in Enite	inflyine.	1112.22	12.1
		_								_			
		Af be fo	ter g able rmat	ener e to c to e	atir deci xpo	ng the ide in rt it	repo whicł	rt you n file	ı will]			
😝 📅 14 🔺 🕨 树 Q, Q, Report Export inclusion inclusion Following Last page Zoom Curt Zoom In	Beport 6	Af be fo	ter ge able rmat	ener e to c to e	atir deci xpo	ng the ide in rt it	repo which	rt you n file	ı will	Q.	Đ, Zaom in		

SCM S.p.a

Click here



Many thanks for your kind attention

