



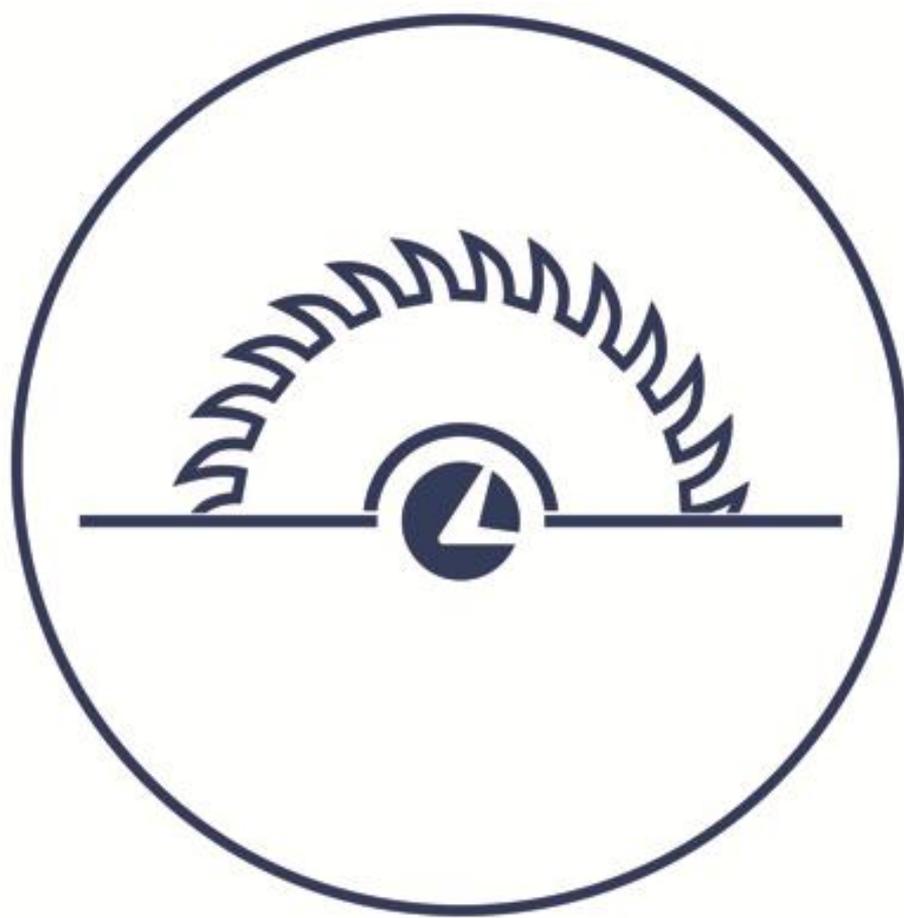
Maestro Pattern

Easy and intuitive
optimization cutting software

09/10/2017

THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA





MAESTRO PATTERN

Maestro Pattern

Programming

From a unique page is possible to get to the: configuration, raw material stock, cutting list and optimization program.

The screenshot displays the Maestro Pattern software interface, divided into three main functional areas:

- Materials and off-cuts:** A table listing materials with columns for Code, Description, Length, Width, Offcut, Quantity, and Availability. The table includes rows for 'w01', 'w02', 'R00001', 'R00004', and 'R00005'. A yellow box highlights the table header and the first few rows.
- Configuration:** A vertical menu on the right side of the materials table with options: Open, Save, Optimization, Configuration, Info, and Exit. A blue line points from the 'Configuration' option to the 'PartList' table.
- Cutting list:** A table titled 'PartList' with columns for Code, Description, Length, Width, Qu., Va, Gra, Edge 1, Edge 2, Edge 3, and Edge 4. It contains a long list of material codes and their corresponding dimensions and edge types. A green box highlights the entire table.

Additional annotations include a yellow line pointing from the 'Materials and off-cuts' table to the 'Optimization' label, and a pink line pointing from the 'Availability' column of the materials table to the 'Optimization' label.

Code	Description	Length	Width	Offcut	Quantity	Available
w01	Panel 376x166x1.9W	3.760,00	1.660,00	<input type="checkbox"/>	22	<input type="checkbox"/>
w02	Panel 280x140x1.9W	2.800,00	1.400,00	<input type="checkbox"/>	18	<input type="checkbox"/>
R00001	Off-Cut	2.800,00	512,00	<input checked="" type="checkbox"/>	1	<input type="checkbox"/>
R00004	Off-Cut	1.281,60	671,40	<input checked="" type="checkbox"/>	2	<input type="checkbox"/>
R00005	Off-Cut	920,40	576,60	<input checked="" type="checkbox"/>	1	<input type="checkbox"/>

Code	Description	Length	Width	Qu.	Va	Gra	Edge 1	Edge 2	Edge 3	Edge 4		
CAS4FSX	FIANCO SX CAS 800,00	560,00	4	0	<input type="checkbox"/>		NO22PV	NO22P	NO22PV	NO22PVC		
CAS4FDX	FIANCO DX CAS 800,00	560,00	4	0	<input type="checkbox"/>		NO22PV	NO22P	NO22PV	NO22PVC		
CAS4CP	CAPPELLO CAS 564,00	560,00	4	0	<input type="checkbox"/>			NO22P		NO22PVC		
CAS4BS	BASE CASS. 4C 564,00	560,00	4	0	<input type="checkbox"/>			NO22P		NO22PVC		
CAS4SCH	SCHIENALE CA 800,00	600,00	4	0	<input type="checkbox"/>							
CAS4FCSX	FIANCO SINISTI 542,00	138,75	16	0	<input type="checkbox"/>		WH14PV	WH14P	WH14PV	WH14PVC		
CAS4CDX	FIANCO DESTR 542,00	138,75	16	0	<input type="checkbox"/>		WH14PV	WH14P	WH14PV	WH14PVC		
CAS4SCHC	SCHIENA CASS 538,00	138,75	16	0	<input type="checkbox"/>		WH14PV	WH14P	WH14PV	WH14PVC		
CAS4FNC	FONDO CASSE' 546,00	550,00	16	0	<input type="checkbox"/>							
CAS4FRC	FRONTALE CAS 598,00	198,75	16	0	<input type="checkbox"/>			NO22PV	NO22P	NO22PV	NO22PVC	
ARM21FSX	FIANCO SX ARM 1.600,00	600,00	2	0	<input type="checkbox"/>			NO22PV	NO22P	NO22PV	NO22PVC	
ARM21FDX	FIANCO DX ARM 1.600,00	600,00	2	0	<input type="checkbox"/>			NO22PV	NO22P	NO22PV	NO22PVC	
ARM21CP	CAPPELLO ARI 1.164,00	600,00	2	0	<input type="checkbox"/>				NO22P		NO22PVC	
ARM21BS	BASE ARMADIC 1.164,00	600,00	2	0	<input type="checkbox"/>				NO22P		NO22PVC	
ARM21RP	RIPIANO ARMA 1.164,00	600,00	2	0	<input type="checkbox"/>				NO22P		NO22PVC	
ARM2ANSX	ANTA SX ARMAI 1.500,00	597,00	2	0	<input type="checkbox"/>			VAN22P	VAN22I	VAN22P	VAN22PVC	
ARM21ANDX	ANTA DX ARMAI 1.500,00	597,00	2	0	<input type="checkbox"/>			VAN22P	VAN22I	VAN22P	VAN22PVC	
ARM21AFSC	FASCIA INF. ARI 1.164,00	100,00	4	0	<input type="checkbox"/>				NO22P		NO22PVC	
ARM21SCH	SCHIENALE ARI 1.200,00	1.500,00	2	0	<input type="checkbox"/>							
ARM22FSX	FIANCO SX ARM 2.000,00	600,00	2	0	<input type="checkbox"/>			NO22PV	NO22P	NO22PV	NO22PVC	
ARM22FDX	FIANCO DX ARM 2.000,00	600,00	2	0	<input type="checkbox"/>			NO22PV	NO22P	NO22PV	NO22PVC	
ARM22CP	CAPPELLO ARM 1.164,00	600,00	2	0	<input type="checkbox"/>				NO22PV	NO22P	NO22PVC	
ARM22BS	BASE ARMADIC 1.164,00	600,00	2	0	<input type="checkbox"/>				NO22PV	NO22P	NO22PVC	
ARM22RP	RIPIANO ARMA 1.164,00	600,00	4	0	<input type="checkbox"/>				NO22P		NO22PVC	
ARM22TR	TRAMEZZO ARI 1.164,00	600,00	1	0	<input type="checkbox"/>				NO22P		NO22PVC	
ARM22ANDS	ANTA DX SUP A 947,00	547,00	1	0	<input type="checkbox"/>				NO22PV	NO22P	NO22PV	NO22PVC

Advantage: rapid access to the functions and maximum control

Maestro Pattern configuration allows to choose 2 different types of format for saving data

Id	Description	Value
1	Language	English
2	Units	Millimeters
3	Kerf	4.40
4	Export type	Opt
5	Surplus Front	20,00
6	Surplus Back	0,00
7	Enable Z-Cut (3rd cut)	<input type="checkbox"/>
8	Head-Cut	<input checked="" type="checkbox"/>
9	Min Head-Cut Length	150,00
10	Material trim P	0,00
11	Head-Cut type	Either
12	Rotated head cut	<input checked="" type="checkbox"/>
13	First cut	Either
14	X-Cut Sorting	Increasing
15	Y-Cut Sorting	Increasing
16	Overproduction %	0
17	Minimum working width	0,00
18	Export path programs	.\xPrg ...

At the bottom of the window are three icons: a checkmark, an 'X', and a floppy disk icon.

Saving format:

- OPT allows to dynamically change the trim cuts before executing the cutting scheme (when Maestro Cut Utility is installed)
- XPRG closed format with integrated optimization parameters (the user can't intervene in any way)

Advantage: fast and effective programming

Maestro Pattern

Setting 2/3

OPT format

Saved parameters
in the order

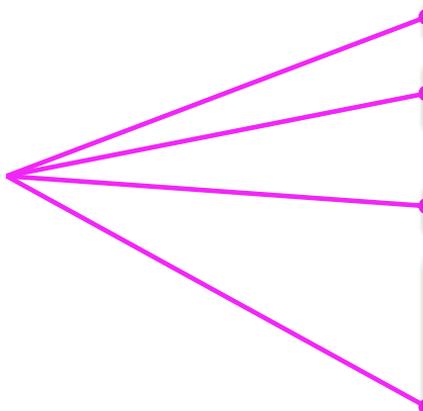
Id	Descrizione	Valore
1	Language	INGLESE
2	Units	Millimeters
3	Kerf	4,40
4	Export type	Opt
5	Surplus Front	10,00
6	Surplus Back	15,00
7	Enable Z-Cut (3rd cut)	<input checked="" type="checkbox"/>
8	Head-Cut	<input type="checkbox"/>
9	Min Head-Cut Length	100,00
10	Material trim P	0,00
11	Head-Cut type	Either
12	Rotated head cut	<input type="checkbox"/>
13	First cut	Length
14	X-Cut Sorting	Increasing
15	Y-Cut Sorting	Increasing
16	Overproduction %	0
17	Minimum working width	65,00
18	Export path programs	aestroCut\Client\xPrg ...

Maestro Pattern

Setting 3/3

xPrg format (preferred for bars cutting)

Saved parameters
in the order



Id	Descrizione	Valore
1	Language	INGLESE
2	Units	Millimeters
3	Kerf	4,40
4	Export type	xPrg
5	Surplus Front	10,00
6	Surplus Back	15,00
7	Waste management	Front
8	Material trim Z	<input type="checkbox"/>
9	Enable Z-Cut (3rd cut)	<input checked="" type="checkbox"/>
10	Max Stack Height	100,00
11	Head-Cut	<input type="checkbox"/>
12	Min Head-Cut Length	100,00
13	Material trim P	0,00
14	Head-Cut type	Either
15	Rotated head cut	<input type="checkbox"/>
16	First cut	Length
17	X-Cut Sorting	Increasing
18	Y-Cut Sorting	Increasing
19	Overproduction %	0
20	Minimum working width	65,00
21	Export path programs	aestroCut\Client\xPrg ...
22	Export path lists	aestroCut\Client\xMix ...

Maestro Pattern

Programming of materials

Maestro Pattern allows to create and to import from Maestro Cut up to 5 materials types, optimizing on 2 formats maximum for each type and for all the off-cuts available always for the same type

The screenshot displays the Maestro Pattern software interface. At the top, a table lists materials and off-cuts. A red box highlights the 'WHITE19' material, and a yellow box highlights the 'Off-Cut' rows. A red arrow points from the text 'Materials and off-cuts import from Maestro Cut' to the 'WHITE19' material. Another red arrow points from the text 'Materials and off-cuts available' to the 'Off-Cut' rows. A red rounded rectangle highlights the 'Import Types' dialog box, which lists 12 material types with their respective descriptions, thicknesses, colors, and bar numbers.

Code	Description	Length	Width	Offcut	Quantity	Available
w01	Panel 376x166x1.9W	3.760,00	1.660,00	<input type="checkbox"/>	22	<input checked="" type="checkbox"/>
w02	Panel 280x140x1.9W	2.800,00	1.400,00	<input type="checkbox"/>	18	<input checked="" type="checkbox"/>
R00001	Off-Cut	2.800,00	512,00	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>
R00004	Off-Cut	1.281,60	671,40	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>
R00005	Off-Cut	920,40	576,60	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>

Typology	Description	Thickness	Color	Barra
1	AWANAGANA	18,00	AWANAGANA	0
2	CARTONE10	10,00	TURQUOISE	0
3	CARTONE18	18,00	WHITE	0
4	GOLD	18,00	GOLD	0
5	GRIGIO18	18,00	DARKGRAY	0
6	LUNGO	18,00	BLUE	0
7	NERO10MM	10,00	BLACK	0
8	PROVAMELAMINE	19,50	WHITE	0
9	PVC30	30,00	WHITE	0
10	RED	18,00	RED	0
11	TRASP-BLU	6,00	DODGERBLUE	0
12	TRUCCIOLO	18,00	CHARTREUSE	0

Advantage: using of the real material stock and reuse of the off-cuts

Cutting list programming

The operator can create the list of the pieces to be produced in an easy and intuitive way or can import the list even from an Excel sheet (.XLS) (OPTIONAL on board machine, Easy Import is mandatory)

The screenshot displays the Maestro Pattern software interface. On the left, a table lists material pieces with columns for Code, Description, Length, Width, Offcut, Quantity, and Available. The selected piece is R00004, an Off-Cut with a length of 1.281,60 and a width of 671,40. A red arrow points from the text 'Data list import from Excel (XLS)' to the 'XLS' icon in the 'Open' menu. On the right, a 'PartList' window is open, showing a detailed list of pieces with columns for Code, Description, Length, Width, Quantity, and various edge data (Edge 1 to Edge 4). A green box highlights this list, and a red arrow points from the text 'Cutting list' to it.

Code	Description	Length	Width	Offcut	Quantity	Available
w01	Panel 376x166x1.9W	3.760,00	1.660,00	<input type="checkbox"/>	22	<input type="checkbox"/>
w02	Panel 280x140x1.9W	2.800,00	1.400,00	<input type="checkbox"/>	18	<input type="checkbox"/>
R00001	Off-Cut	2.800,00	512,00	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>
R00004	Off-Cut	1.281,60	671,40	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>
R00005	Off-Cut	920,40	576,60	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>

Code	Description	Length	Width	Qu	Va	Gr	Edge 1	Edge 2	Edge 3	Edge 4
CAS4FSX	FIANCO SX CAS	800,00	560,00	4	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC
CAS4FDX	FIANCO DX CAS	800,00	560,00	4	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC
CAS4CP	CAPPELLO CAS	564,00	560,00	4	0	<input type="checkbox"/>		NO22P		NO22PVC
CAS4BS	BASE CASS. 4C	564,00	560,00	4	0	<input type="checkbox"/>		NO22P		NO22PVC
CAS4SCH	SCHIENALE CA	800,00	600,00	4	0	<input type="checkbox"/>			NO22P	NO22PVC
CAS4FCSX	FIANCO SINISTI	542,00	138,75	16	0	<input type="checkbox"/>	WH14Pv	WH14F	WH14Pv	WH14PVC
CAS4FCDX	FIANCO DEST	542,00	138,75	16	0	<input type="checkbox"/>	WH14Pv	WH14F	WH14Pv	WH14PVC
CAS4SCHC	SCHIENA CASS	538,00	138,75	16	0	<input type="checkbox"/>	WH14Pv	WH14F	WH14Pv	WH14PVC
CAS4FNC	FONDO CASSE	546,00	550,00	16	0	<input type="checkbox"/>				
CAS4FRC	FRONTALE CAS	598,00	198,75	16	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC
ARM21FSX	FIANCO SX ARM	1.600,00	600,00	2	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC
ARM21FDX	FIANCO DX ARM	1.600,00	600,00	2	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC
ARM21CP	CAPPELLO ARI	1.164,00	600,00	2	0	<input type="checkbox"/>		NO22P		NO22PVC
ARM21BS	BASE ARMADIC	1.164,00	600,00	2	0	<input type="checkbox"/>		NO22P		NO22PVC
ARM21RP	RIPIANO ARMA	1.164,00	600,00	2	0	<input type="checkbox"/>		NO22P		NO22PVC
ARM2ANSX	ANTA SX ARMAI	1.500,00	597,00	2	0	<input type="checkbox"/>	VAN22P	VAN22I	VAN22P	VAN22PVC
ARM21ANDX	ANTA DX ARMAI	1.500,00	597,00	2	0	<input type="checkbox"/>	VAN22P	VAN22I	VAN22P	VAN22PVC
ARM21AFSC	FASCIA INF. ARI	1.164,00	100,00	4	0	<input type="checkbox"/>		NO22P		NO22PVC
ARM21SCH	SCHIENALE ARI	1.200,00	1.500,00	2	0	<input type="checkbox"/>				
ARM22FSX	FIANCO SX ARM	2.000,00	600,00	2	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC
ARM22FDX	FIANCO DX ARM	2.000,00	600,00	2	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC
ARM22CP	CAPPELLO ARM	1.164,00	600,00	2	0	<input type="checkbox"/>		NO22P	NO22P	NO22PVC
ARM22BS	BASE ARMADIC	1.164,00	600,00	2	0	<input type="checkbox"/>		NO22P	NO22P	NO22PVC
ARM22RP	RIPIANO ARMA	1.164,00	600,00	4	0	<input type="checkbox"/>		NO22P		NO22PVC
ARM22TR	TRAMEZZO ARI	1.164,00	600,00	1	0	<input type="checkbox"/>		NO22P		NO22PVC
ARM22ANDS	ANTA DX SUP A	947,00	547,00	1	0	<input type="checkbox"/>	NO22PV	NO22P	NO22PV	NO22PVC

Advantage: edge data information, possibility of an overproduction for the most used pieces with a consisting reduction of the off-cuts

Maestro Pattern

Import of a cutting list from Excel (Easy Import on board machine as an OPTIONAL)

The operator can automatically import from an Excel file (.XLS) all data related to the cutting list, configuring the sorting order of the fields

Limits to import from an Excel file are: max 30 rows and max 500 pieces per row

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Code	Description	Length	Width	Thick.	Color	Q.ty	Surplus	Grain	Edge1	Edge2	Edge3	Edge4	Drill. code
2	CAS4FSX	FIANCO SX CASS. 4C	800,0	560,0	19,0	WHITE	4	0		NO22PVC	NO22PVC	NO22PVC	CAS401001	
3	CAS4FDX	FIANCO DX CASS. 4C	800,0	560,0	19,0	WHITE	4	0		NO22PVC	NO22PVC	NO22PVC	CAS401002	
4	CAS4CP	CAPPELLO CASS. 4C	564,0	560,0	19,0	WHITE	4	0		NO22PVC	NO22PVC	NO22PVC	CAS401003	
5	CAS4BS	BASE CASS. 4C	564,0	560,0	19,0	WHITE	4	0		NO22PVC	NO22PVC	NO22PVC	CAS401004	
6	CAS4SCH	SCHENALE CASS. 4C	800,0	600,0	19,0	WHITE	4	0						
7	CAS4CSX	FIANCO SINISTRO CASSETTO	542,0	138,8	19,0	WHITE	16	0		WH14PVC	WH14PVC	WH14PVC	CAS401005	
8	CAS4CDX	FIANCO DESTRO CASSETTO	542,0	138,8	19,0	WHITE	16	0		WH14PVC	WH14PVC	WH14PVC	CAS401006	
9	CAS4SCHC	SCHENA CASSETTO	538,0	138,8	19,0	WHITE	16	0		WH14PVC	WH14PVC	WH14PVC	CAS401007	
10	CAS4FNC	FONDO CASSETTO	546,0	550,0	19,0	WHITE	16	0						
11	CAS4FRC	FRONTALE CASSETTO	598,0	198,8	19,0	WHITE	16	0		NO22PVC	NO22PVC	NO22PVC	CAS401008	
12	ARM21FSX	FIANCO SX ARMADIO 2 ANTE	1600,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM21001	
13	ARM21FDX	FIANCO DX ARMADIO 2 ANTE	1600,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM21002	
14	ARM21CP	CAPPELLO ARMADIO 2 ANTE	1164,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM21003	
15	ARM21BS	BASE ARMADIO 2 ANTE	1164,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM21004	
16	ARM21RP	RIPIANO ARMADIO 2 ANTE	1164,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM21005	
17	ARM2ANSX	ANTA SX ARMADIO 2 ANTE	1500,0	597,0	19,0	WHITE	2	0		VAN22PVC	VAN22PVC	VAN22PVC	ARM21006	
18	ARM2ANDX	ANTA DX ARMADIO 2 ANTE	1500,0	597,0	19,0	WHITE	2	0		VAN22PVC	VAN22PVC	VAN22PVC	ARM21007	
19	ARM21AFSC	FASCIA BIF. ARMADIO 2 ANTE	1164,0	100,0	19,0	WHITE	4	0		NO22PVC	NO22PVC	NO22PVC	ARM21008	
20	ARM21SCH	SCHENALE ARMADIO 2 ANTE	1200,0	1500,0	19,0	WHITE	2	0						
21	ARM22FSX	FIANCO SX ARMADIO 2A2R	2000,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM22001	
22	ARM22FDX	FIANCO DX ARMADIO 2A2R	2000,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM22002	
23	ARM22CP	CAPPELLO ARMADIO 2A2R	1164,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM22003	
24	ARM22BS	BASE ARMADIO 2A2R	1164,0	600,0	19,0	WHITE	2	0		NO22PVC	NO22PVC	NO22PVC	ARM22004	
25	ARM22RP	RIPIANO ARMADIO 2A2R	1164,0	600,0	19,0	WHITE	4	0		NO22PVC	NO22PVC	NO22PVC	ARM22005	
26	ARM22TR	TRAMEZZO ARMADIO 2A2R	1164,0	600,0	19,0	WHITE	1	0		NO22PVC	NO22PVC	NO22PVC	ARM22006	
27	ARM22ANDS	ANTA DX SUP ARMADIO 2A2R	947,0	547,0	19,0	WHITE	1	0		NO22PVC	NO22PVC	NO22PVC	ARM22006	

Excel source sheet

Excel Fields

Header Lines	1
Code	A
Description	B
Length	C
Width	D
Quantity	G
Var.Q.	H
Grain	I
Edge 1	J
Edge 2	K
Edge 3	L
Edge 4	M

Fields configuration

Advantage: speed and flexibility of programming, errors are drastically reduced

Optimization order

Maestro Pattern optimizes the order and displays all the useful information in a intuitive and simple way, in a unique page.

Maestro Pattern

Typology: WHITE19
Thickness: 19,00
Units: mm

Sqm, off-cuts and yeald are shown

Code	Description	Length	Width	Offcut	Quantity	Used	Code	Description	Length	Width	Quar	Obt.	Edge 1	Edge 2	Edge 3	Edge 4	Diff %
w01	Panel 376x166x1.9W	3.760,00	1.660,00		22	5	CAS4FSX	FIANCO SX CASS.	4.800,00	560,00	4	4	NO22PVC	NO22PVC	NO22PVC	NO22PVC	0.0
w02	Panel 280x140x1.9W	2.800,00	1.400,00		18	5	CAS4FDX	FIANCO DX CASS.	4.800,00	560,00	4	4	NO22PVC	NO22PVC	NO22PVC	NO22PVC	0.0
R00001	Off-Cut	2.800,00	512,00	X	1	0	CAS4CP	CAPPELLO CASS.	4.564,00	560,00	4	4		NO22PVC		NO22PVC	0.0
R00004	Off-Cut	1.281,60	671,40	X	2	1	CAS4BS	BASE CASS. 4C	564,00	560,00	4	4		NO22PVC		NO22PVC	0.0
R00005	Off-Cut	920,40	576,60	X	1	1	CAS4SCH	SCHIENALE CASS.	4.800,00	600,00	4	4					0.0

Optimised cutting schemes are displayed

Tot. Gross: 52,20
Tot. Net: 45,62
Tot. Used: 87,4 %
Tot. Lost: 12,6 %

Materials, off-cuts and produced pieces are shown

1 * 3760,00 x 1660,00 4112

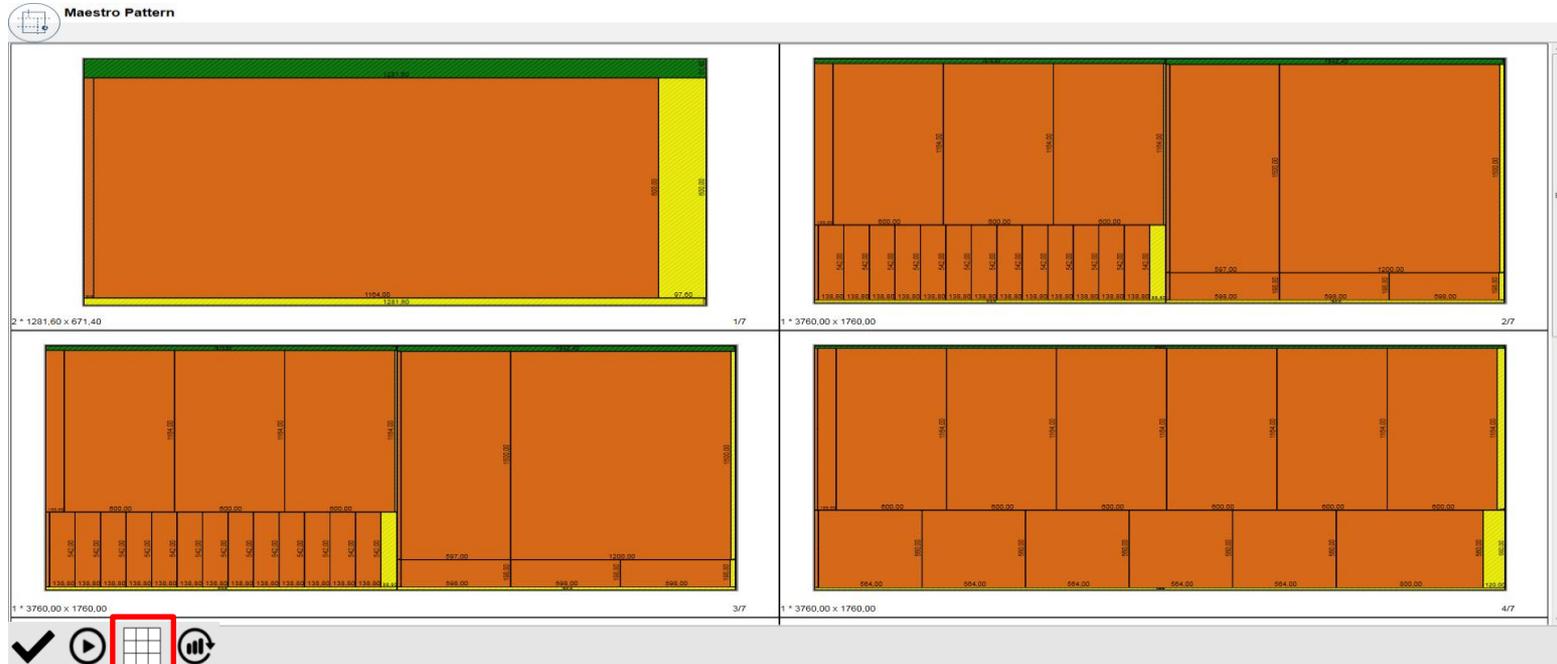
Navigation icons: Checkmark, Play, Grid, Signal

Selecting the appropriate buttons is possible to generate directly the machine programs for Maestro Cut, sending of cutting programs to the machine, displaying all cutting schemes and updating the material stock (useful for weekly/monthly plan).

Maestro Pattern

Optimization – Cutting scheme zoom

On Maestro Pattern, when clicking the icon (outlined in red) is possible to display the optimized cutting schemes into a full-screen mode



Advantage: detailed visualization of the optimized cutting schemes



**Thank you for your kind
attention**