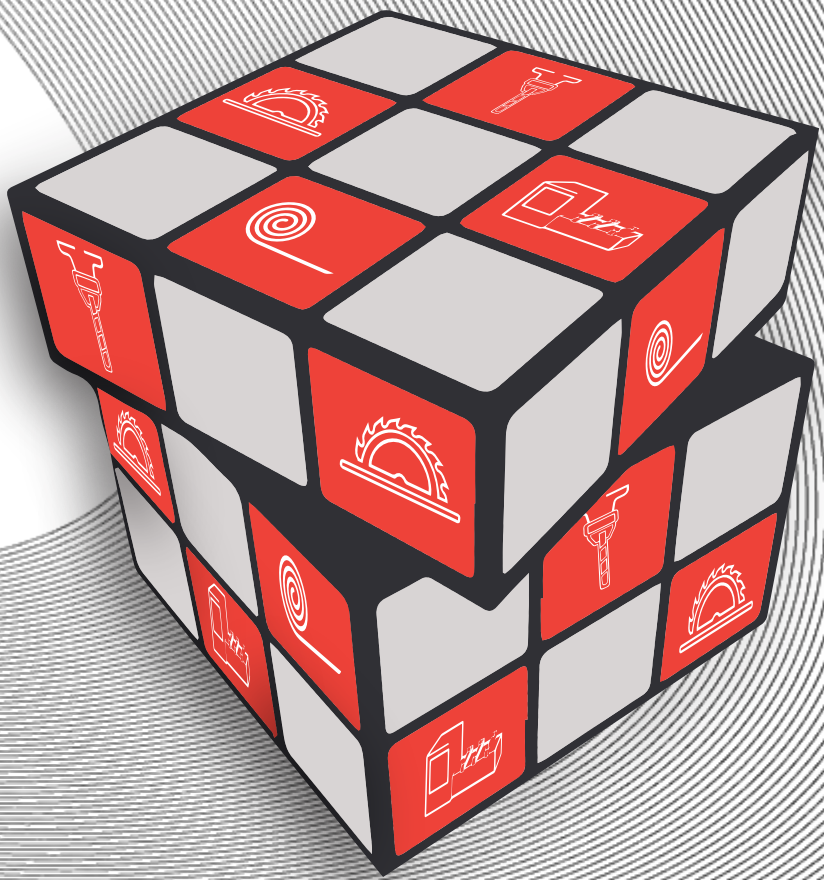
PRODUCT OVERVIEW

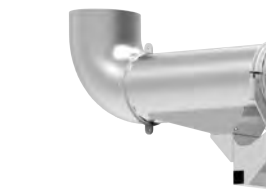
Our range of products and machines



masterwood®

WOODWORKING
technologies

CNC



Configuration

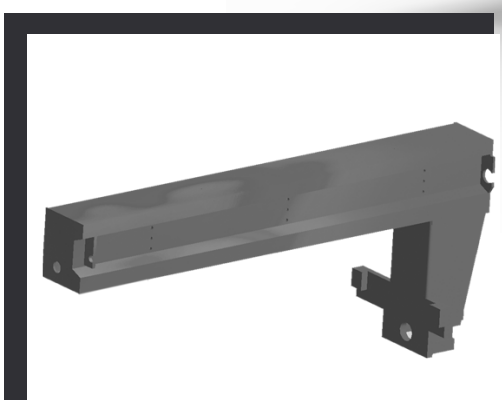
Project:
Standard configuration.
This model is fully customizable with all available options.

Winner:
"Closed" configuration.
Valid only for models 250, 385 and 485 (limited options available).

W:
Same as the standard configuration but it already includes some options for the production of windows.

Series 300 and 500

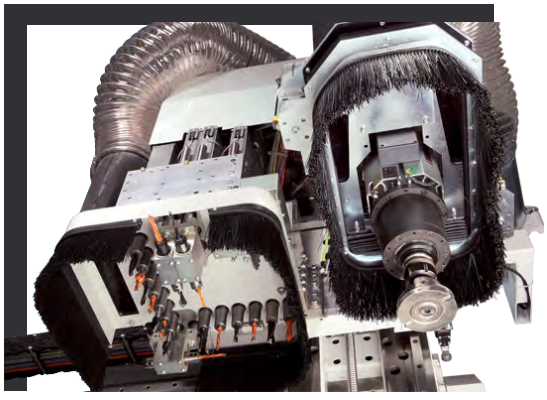
"Gantry" bridge structure that guarantees maximum rigidity and precision in solid wood machining



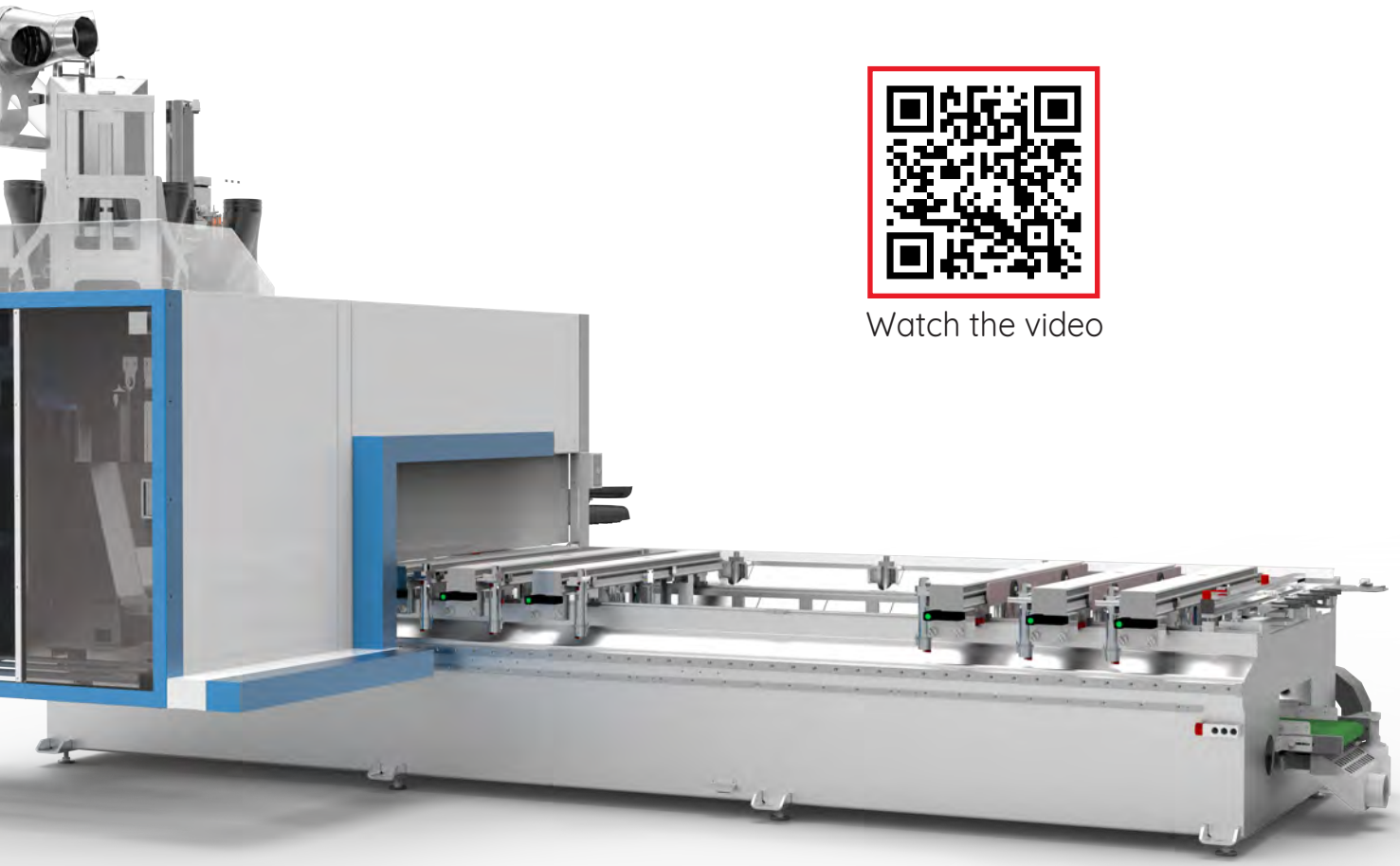
Series 200 and 400

Cantilever structure that allows greater flexibility in panel machining

5 axis Electro-Spindle



3/4 axis Electro-Spindle



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Series 200

Project 250
Winner 250

Series 300

Project 351
Project 385
Winner 385

Series 400

Project 470
Project 485
Winner 485

Series 500

Project 565

X SIZES

	250	351	385	470	485	565
STD	3000	3240	3240	3220	3220	3240
L		5160	5160	5171	5171	5160
XL		6440	6440			6440

Z SIZES

250	200
351	200
385	200
470	170
485	200
565	350

Y SIZES

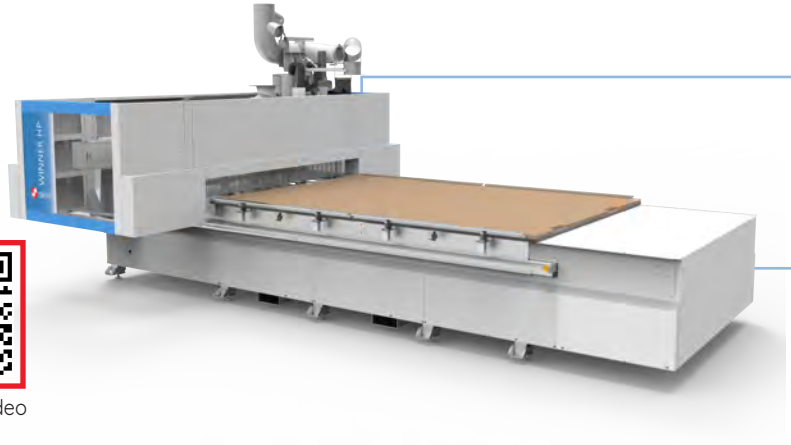
	250	351	385	470	485	565
Max working areas	1200	1550	1550	1296.5	1500	1600
Max loading sizes	1630	1550	1550	2000	2000	1700

FLAT TABLE NESTING

FLAT TABLE NESTING

FLAT TABLE NESTING

Series
M/M5



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Series
Winner HP

Series
Winner KS

MODEL	Xmm	Ymm			
		WIN KS	WIN HP	MW M	MW M5
12.25	2500			1296	
12.28	2800	1228			
15.38	3800	1550	1595	1595	1595
18.38	3800	1850		1845	1845
21.31	3100	2100	2195	2195	2195
21.42	4200	2100	2195	2195	2195
21.75	7650			2195	2195

MODEL	Z mm
WIN KS	100
WIN HP	135
M	200
M5	400

DRILLING MACHINES

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TF 600 KS

TF 600 KT

TF 600 KA

SPEEDY II

Panel sizes	SPEEDY II	TF 600 KS	TF 600 KA	TF 600 KT
Length (mm) min-max	250 (min)	70-2800	250-2800	70-2800
Width (mm) min-max	80-1000	35-1200	50-1200	35-1000
Thickness (mm) min-max	5-60	9-60	9-60	9-60
Boring heads	1 lower	2 upper - 1 lower	2 upper - 1 lower	1 upper - 1 lower
Electro spindle	1 lower	1 upper - 1 lower	1 upper - 1 lower	1 upper - 1 lower
Automatic tool change	6 positions	no	no	5 positions

DRILLING MACHINES

PANEL SIZING CENTRES

MS320L / MS430L

Automatic loading of panels from the rear or from the left or right side. Possibility of stacking 500mm of panels (up to 1200 mm with lifting table placed underground).

	Min panel working size (mm)	Max panel working size (mm)	Min/Max panel working size (mm) with automatic loading	Max. pusher speed
MS320 L	34X45 (LxW)	3100 x 3190 (LxW)	2100x2150/3000 (LxW)	95 m/min
MS430 L	34X45 (LxW)	4200 x 4290 (LxW)	2100x2150/4100 (LxW)	95 m/min

	Main saw blade diam (mm)	Blade projection (mm)	Main saw blade motor power	Max. saw carriage speed
MS320 L	450	129	18,5 kW	110 m/min
MS430 L	450	129	18,5 kW	110 m/min

MS320 / MS430

Manual loading of panels.
MS320 and MS430 are the machines dedicated to companies that want to combine high productivity with the need for space.

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	MS320	MS430
Min panel working size (mm)	34X45 (LxW)	34X45 (LxW)
Max panel working size (mm)	3100 x 3190 (LxW)	4200 x 4290 (LxW)
Main saw blade diam (mm)	400	400
Blade projection (mm)	104	104

Notes:
On MS320 and MS430 it is possibile to install the 450mm blade (opt) to increase the blade projection from 104 to 129 mm.

XY 430 L

controlled axes and automatic loading system beam saw

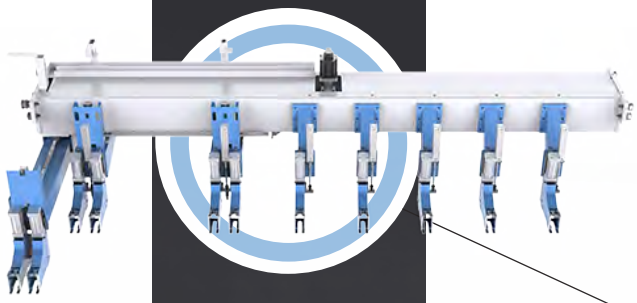
XY430L is a new machine equipped with innovative features like the **mobile grippers**, **grooving unit**, **secondary pusher**, **mobile table** and a **lifting table columns independent** from main structure.

Grooving unit

Ascent and descent of the blade with controlled axis for the creation of grooves in the lower part of the panel.

Secondary pusher

To preload the panels from the lifting table in "masked time" while the main pusher is working.



Mobile grippers

"X" and "Y" sturdy mobile grippers can work different sizes at the same time decreasing the number of crossing cut cycles.

Max. pusher speed	95 m/min
Max. saw carriage speed	200 m/min
Main saw motor power	18.5 kW
Scoring saw motor power	1.5 kW
Blade projection	124
Panel stack height	500/1200 mm

Watch the video

SLIDING TABLES

Technology and Versatility

The ST320 series of sliding table machines, both in the basic version and in the OPTI version, represents the solution capable of satisfying the needs of the small artisan workshop as well as the hi-tech company.

ST320

ST320 *OPTI*

	ST320	ST320 OPTI
Positioning of stop fences	automatic	automatic
Machine control	PLC	PC
Optimization software	NO	YES
Inclination of the blade	0 - 45°	0 - 45°
Main saw diameter (mm)	300	300
Size of the sliding table (mm)	3200 x 430	3200 x 430
Main blade motor power	5,5 kW	5,5 kW
Scoring saw power	1,1 kW	1,1 kW

SLIDING TABLES

EDGEBANDER

ME508

ME509

ME510

MX509

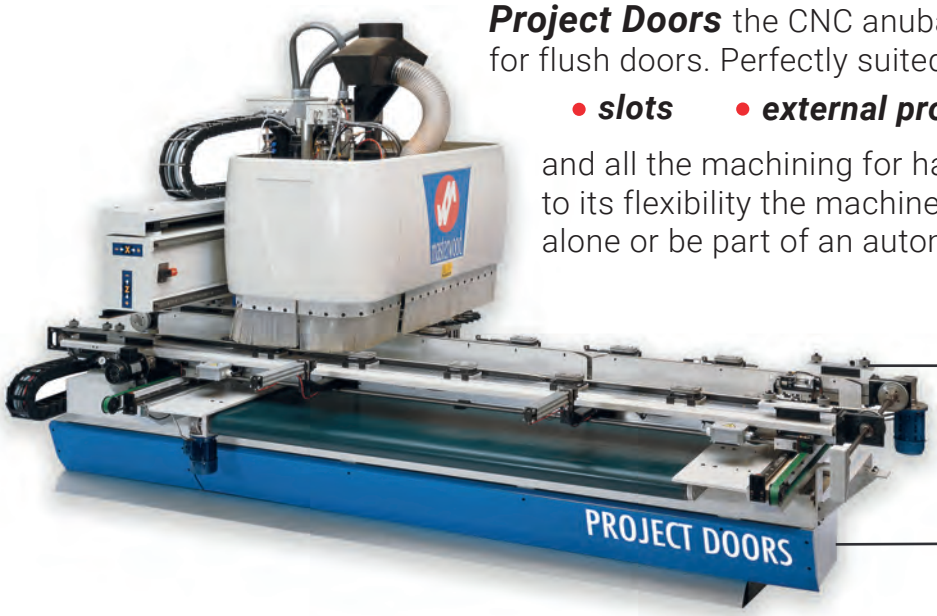
	ME508	ME509	ME510	MX509
Machine dimension	5346x830x1960 mm	6734x830x1730 mm	7300x830x1730 mm	5850x940x1960 mm
Working speed	15-23 m/min	15-23 m/min	15-23 m/min	13-18 m/min
Min. panel size	120x90 mm	120x90 mm	120x95 mm	120x90 mm
Panel thickness	10-60 mm	10-60 mm	10-60 mm	9-60 mm
Edge thickness	0,4 - 3 mm	0,4 - 3 mm	0,4 - 3 mm	0,4 - 3 mm
Machine control	PLC	PC	PC	PC

	BUFFING	TOUPIE UNIT	GLUE SCRAPING	EDGE SCRAPING	CORNER ROUNDING	FINE TRIM	ENDCUTTING	PRE- MELT	PRE-MILLING
ME508	✓		✓	✓		✓	✓	✓	✓
ME509	✓		✓	✓	✓	✓	✓	✓	✓
ME510	✓	✓	✓	✓	✓	✓	✓	✓	✓
MX509	✓		✓	✓ numeric control	✓	✓ numeric control	✓	✓	✓

SPECIAL MACHINES

for doors and windows processing

SPECIAL MACHINES



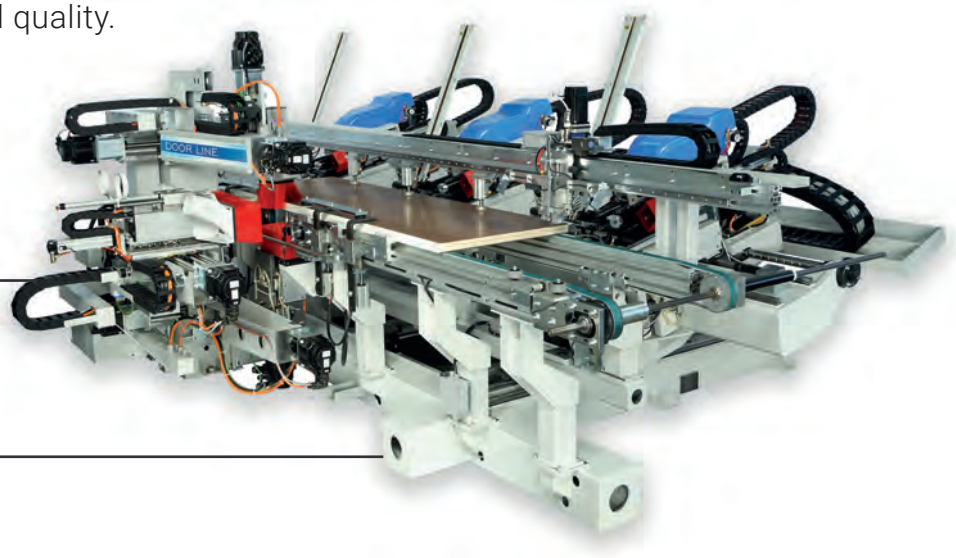
Project Doors the CNC anuba hinges machining centre for flush doors. Perfectly suited for the machining of:

- ***slots***
- ***external profiling***
- ***decorations***

and all the machining for hardware insertion. Thanks to its flexibility the machine can be used as a stand alone or be part of an automated production line.

PROJECT DOOR

Throughfeed CNC working centre for assembled doors. Doorline is designed for implementation in complex lines for doors manufacturing, or a large industry that wants to combine productivity and quality. Doorline can produce up to two doors per minute machining for hinges, locks and handle holes.



DOOR LINE

4 WIN

The greatest innovation in a windows production working centre

4 win, 3/4 axis machining centre,
is the answer to all issues you meet when fastly processing styled windows with perfect quality. Patented working table for a firm workpiece clamping.

"High torque" operating unit specially designed for a windows processing. 4WIN can cover all window and sash operations including ironmongery housings. CNC especially designed for the processing and the production of windows and doors.

- High quality of accuracy and finish
- Maximum flexibility
- Up to 62 tools
- Reduced floor aerea dimensions
- Software "Masterwindow"

Length max. full-field workpiece	4380 mm
Length min. full-field workpiece	220 mm
Length max. alternating field workpiece	2700 + 1100 mm
Thickness max. alternating field workpiece	105 mm
Thickness min. alternating field workpiece	0 mm
Width max. alternating field workpiece	140 mm
Electrospindle	19,2 kW - HSK 63

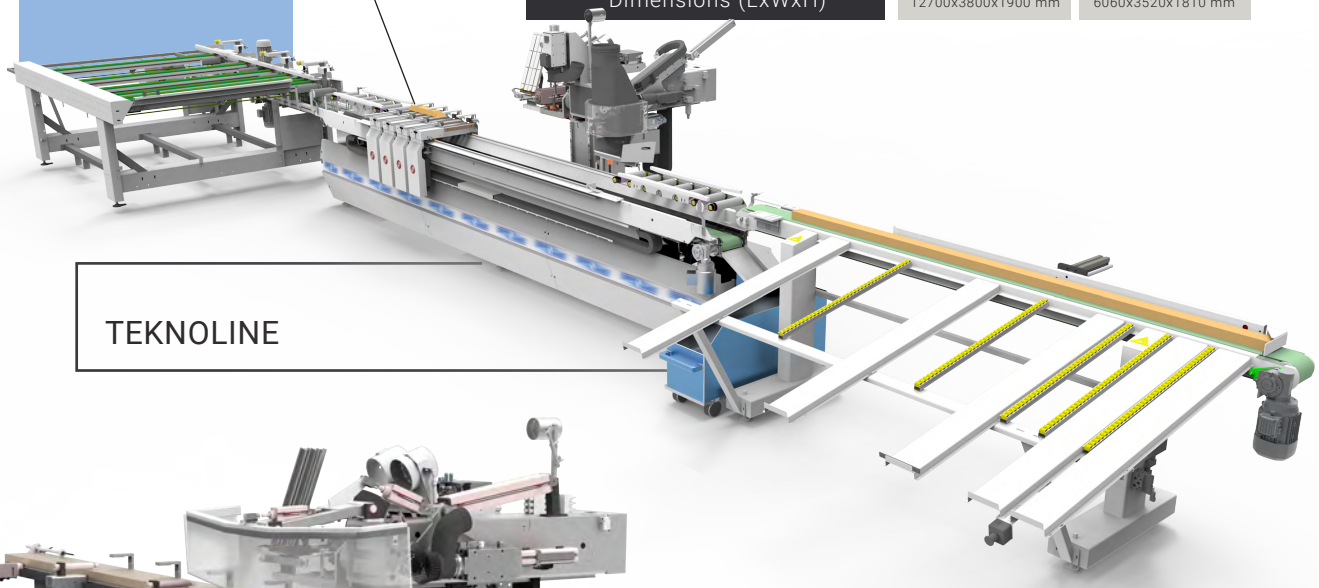
Watch the video

TEKNODOOR

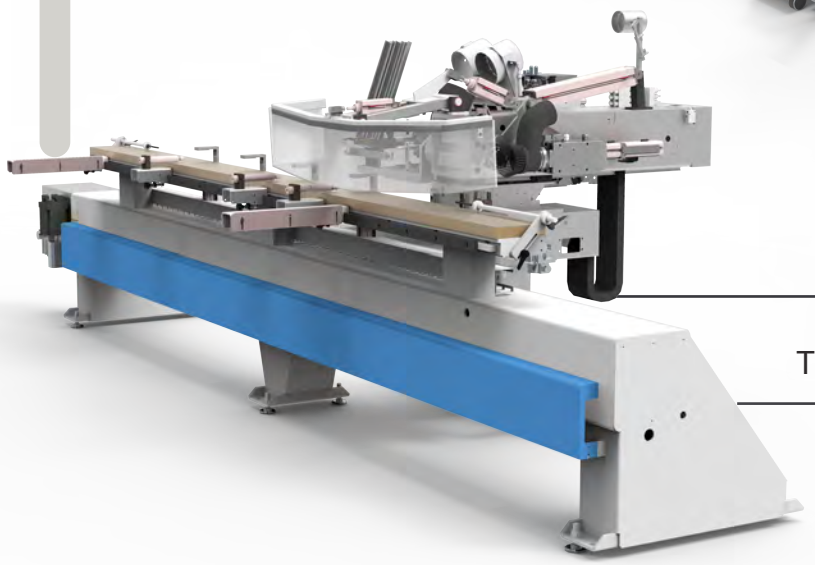
The innnovative automated solution for door frames

- High quality of the finished product: Elimination of mechanical vibrations with high rigidity structures
- Accuracy and high repeatability with rigidly clocked workpiece machining and mechanical height probes
- High precision self-positioning clamps with brushless motors

	TEKNOLINE	TEKNOMAT
Operating groups X speed	50 m/min	50 m/min
Operating groups Y speed	20 m/min	20 m/min
Operating groups tilt	-7/90°	-7/90°
Mobile clamps speed	35 m/min	-
Blade diameter max.	300 mm	300 mm
Workable pieces length	450/2800 m/min	200/3095 m/min
Workable pieces width	40/200 m/min	40/350 m/min
Workable pieces height	30/45 mm	30/130 mm
Dimensions (LxWxH)	12700x3800x1900 mm	6060x3520x1810 mm



TEKNOLINE



TEKNOMAT

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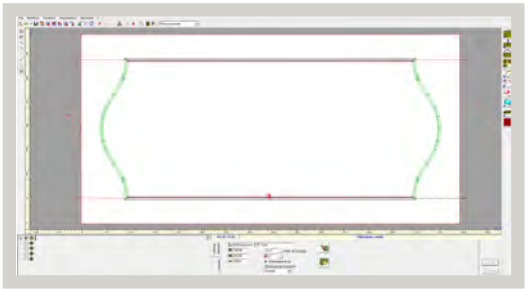
SOFTWARE

SOFTWARE

Masterwork

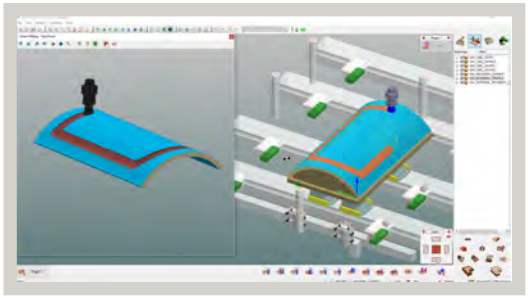


Masterwork is a graphic programming system which allows to avoid the ISO programming thanks to an easy, fast and intuitive graphic interface. This because Masterwork is not a graphic compiler of lines (ISO), but it's a real programming environment oriented to the work piece. It is a tool for all users, but specially dedicated to whom have no experience of programming.
The MasterWork office version that Masterwood deliver it standard with all the machines, allows the customer to generate the programs in the office and load them via internet or dongle key in the machine.

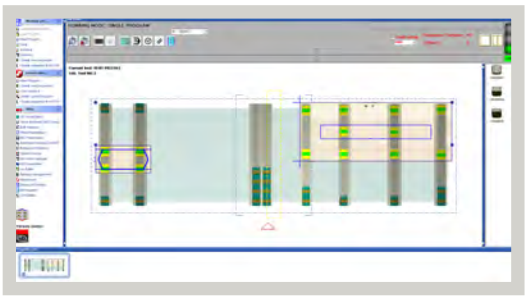
Master 3D

The CAD/CAM software.
It is the solution for wood and similar materials working industry by numerically controlled machining centres. Master 3D completes and fully manages the woodworking process from design to disposition of pieces and underpieces on the working table, 3D automatic collision detection with simulation, machining optimization and program generation. Master 3D is available in three different levels:

1. Master 3D Level 1
2. Master 3D Level 2
3. Master 3D Level 3



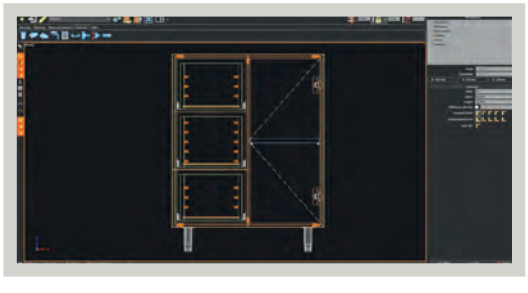
Master AT



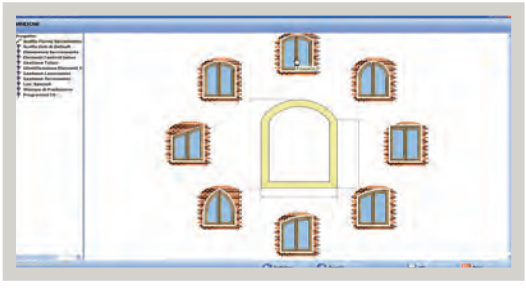
Master AT is the user-friendly interface common to all Masterwood machines. A three-dimensional view of the work piece and the working table allows the operator to identify any errors. Using a quick and easy format, you can automatically manage the placement of clamps or suction cups, eliminating any possible error. This is particularly useful in the processing of the window components, where the complexity requires a highly accurate positioning of the locking systems. Do it all with Master AT! More than two decades of Masterwood innovation at your service!

Master Cabinet

Design is directly in parametric 3D format. By using commands present in the programme interface, with simple positioning systems of the furniture in the environment, it can be quickly realized. Once designed the furniture, by means of a single click on cam button, Mastercabinet is able, by exploding the single elements, to generate automatically all the single programmes. No further elaborations are needed when passing from MasterCabinet to MasterWork (whilst it is necessary with other programmes which export DXF files).



Masterwindow



Masterwindow is a software package for designing and machining various types of windows (from standard to special shapes) from predefined parametrical models. Masterwindow is very easy to use: the user is guided in every project phase, from the shape choice to the loading of the individual window components. It allows the project and the related machining of the window ironmongery. Possibility of printing "bar code" labels and through a "bar code reader" selecting the correct programme for execution. With Masterwindow it is possible to configure the parameters of every window component.

An Italian history

Tradition and

We have been producing woodworking machinery since the 1960's , helping the furniture industry with our passion and professionalism.

The MASTERWOOD brand was born in 1990 out of the merger of two companies that wrote the history of our industry: MUTI, the leader in the production of chisel mortising machines and ZANGHERI & BOSCHETTI, specialized in the production of automatic multiple boring machines. The synergy of experience and know-how brought in by each partner soon led MASTERWOOD to become one of the reference companies producing numeric control working centres both for panels and solid wood, exporting more than 80% of its production to all six continents. Constant investments in Research and Development allow MASTERWOOD to offer state-of-the-art technology supported by personalized software in order to ease the use of the most complicated appliances.
Since 2019 Masterwood became part of the KDT group, one of the largest international companies producing woodworking machinery with the most modern automation technologies in the world.

The Masterwood working centers are present in most 120 countries in small craft companies as well as in big industrial complexes.
The great experience of Masterwood's after sales service supplies all over the world a competent and reliable after sales service.
Thanks to a computerized system, each machine is registered including all information related to machine's parameters ,configuration details and software installed. Each machine is provided with an ethernet card dedicated to internet connection, enabling the tele remote assistance. at the after sales service the internet connection enables a remote intervention granting an immediate solution to eventual problems on programmes, operating systems, hardware configurations, software updates and minimizes downtime costs. Masterwood has its own software research and development center offering the final customer the great advantage of a whole product range to integrate and automate all manufacturing operations. Software to automatically create machine programs; software dedicated to doors manufacturing, to windows and furniture generally, to set the idealnesting and to manage the manufacturing process.
The secret of this incredible success consists in exceptional machines likewise in excellent user-friendly software.

The tranquillity of a service tailor made ***for you.***

masterwood®

competence

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