



masterwood[®]
woodworking technology



Master Saw



panel sizing machines

Master Saw panel sizing solution

Masterwood's beam saw machines. Master Saw is complete range of products dedicated to the panel sizing, and suiting the main needs of the industry. The MS 430 machine is for sizing panels up to 4300x4300 mm meanwhile the MS 320 will allow up to 3100x3200 mm. Both the machines has a maximum thickness of 120 mm. Automation is possible thanks to various loading systems.



Why choose Master Saw

1

More productivity.
Takes up to 120 mm
of board.

2

Automatic
positioning system
of the pressure beam
and pull back based
on board dimension

3

Up to 95 m/min of
cutting speed.
Saw carrier driven
by a dedicated servo
motor

4

Avoids board
scratching assuring
smoother board
movement

5

Improve your
productivity and
reduce waste using
the optimization
software

6

Movable working
table

Master Saw



Energy saving mode for always working "green" and avoid waste of electrical consumption

1



Industrial PC, intuitive interface, complete machine management and troubleshooting guide. Possibility to manage batches and launch program with the bar code reader.

2



Air floating system for minimizing the friction between the workpiece and working table. This helps the handling of the panel and improves the efficiency of cutting operation.

3



Smart pressure beam with double pneumatic system always ensures perfect sealing of the pack and reduces processing times. Operator safety is always guaranteed, and even in the event of power drops, the pressure beam maintains its safe position.

4



High machining accuracy thanks to the side-alignment with double rollers.

5



The cut is precise with the scoring and the main blade controlled independently. Automatic adjustment of main saw projection to the stack height.

6



Stability and locking force thanks to compact and robust grippers. The minimum cutting size is 34 x 45mm. Up to 2 optional grippers can be added.

Standard Models



MS 320



Overall dimensions

- A 5556 mm
- B 6725 mm
- C 1890 mm

The MS 320 is dedicated to companies that want to combine high productivity with space restrictions. Workable board dimensions up to 3100 x 3200 mm



MS 430



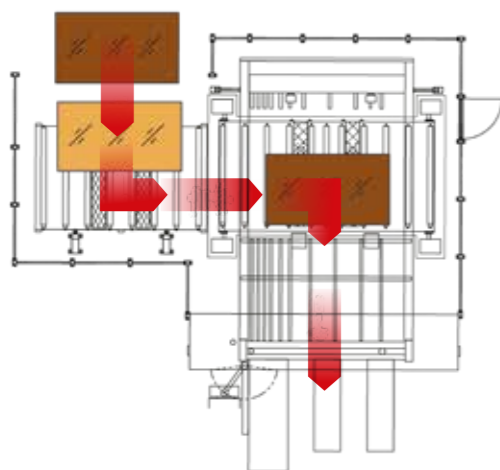
Overall dimensions

- A 6656 mm
- B 7775 mm
- C 1890 mm

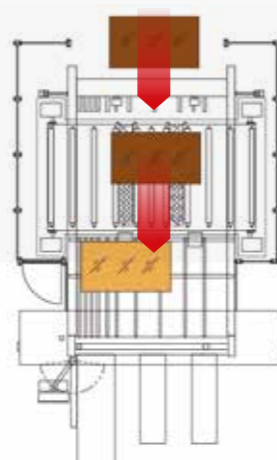
Improve your productivity without limits by machining boards up to 4300 x 4300 mm: MS 430 is the best solution for panel sizing.

Automatic Loading System

Masterwood's experience in automation, renowned in all areas of woodworking industry. Masterwood offer solutions to integrate all the machines throughout the production process. Masterwood design various solutions to easily load packs of panels with both rear and lateral loading, from left and right.



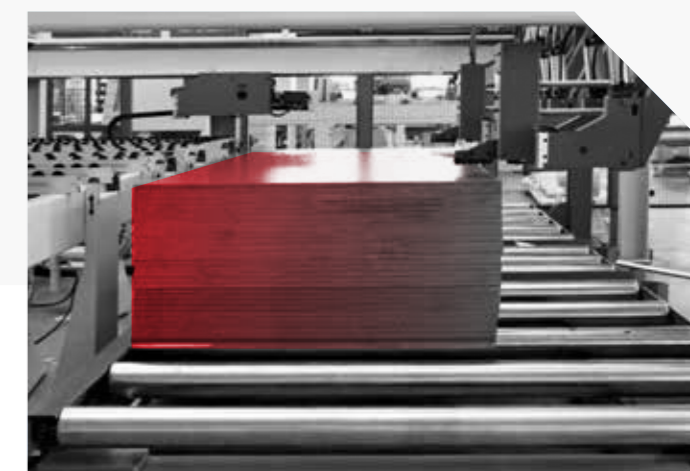
Master Saw with left or right side automatic loading



Master Saw with rear panel loading system



Design, create and print your personalised label for integrating your production process and better managing your batches.



All loading systems for Master Saw are directly supplied by Masterwood. (max height of panels package: 550 mm)

UI and Optimization software



In addition to the basic software installed on the PC, which allows the complete machine usage, Masterwood offers the most highly technological optimization software as an option. The optional package includes: raw panel inventory management, the optimization of cut based on the import list, the leftovers management and the complete design and creation of labels for bar-codes or QR codes.

Value added benefits:

- 10,000 panels cut list easily imported
- Cutting optimization up to 6 rotation on the raw boards from inventory
- Raw boards inventory management
- Complete leftovers management for reducing waste of material
- Preview and printing of the optimization result
- Design of customized labels for bar codes or QR codes and total integration of the production process

Technical data



	unit	430L	430	320L	320
Workpiece dimension					
Max machining dim. (L*W*H)	mm	4300*4300*120	4300*4300*90 (120)	3100*3200*120	3100*3200*90 (120)
Min machining dim. (L*W)	mm	34*45	34*45	34*45	34*45
Sawing unit					
Dia. main saw	mm	Ø450*Ø75	Ø400 (Ø450 opt.)*Ø75	Ø450*Ø75	Ø400 (Ø450 opt.)*Ø75
Main saw thickness	mm	4.4	4.4	4.4	4.4
Dia. scoring saw	mm	Ø200*Ø50	Ø200*Ø50	Ø200*Ø50	Ø200*Ø50
Scoring saw thickness	mm	4.4	4.4	4.4	4.4
Cutting speed	m/min	95	95	95	95
Saw blade return speed	m/min	110	110	110	110
Total power					
Main saw motor power	kW	35	31.5	35	28
Scoring saw motor power	kW	18.5	15 (18.5)	18.5	15 (18.5)
Saw carrier driven power	kW	1.5	1.5	1.5	1.5
Pusher servo motor power	kW	2	2	2	2
Installation and transportation					
Overall dimension (L*W*H)	mm	*	6656*7775*1890	*	5556*6725*1890
Weight	kg	*	6800	*	6000
Dust extraction outlet	mm	Ø100*1 Ø125*1 Ø200*2	Ø100*1 Ø125*1 Ø200*2	Ø100*1 Ø125*1 Ø200*2	Ø100*1 Ø125*1 Ø200*2

*variable according to machine configuration



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