

MLS



Front view of the MLS 130



View of the tool-holder spindle



The Multi-blade Panel Saw has been devised for executing cuts and multiple grooves on panels, also with veneered surfaces and coated with various materials.

It is a machine with an high efficiency, which is used with excellent results for the production of prefinished parquet, walls and ceilings, doors for furniture, strips for profiles, skirting boards, slats for beds, MDF frames and so on.

It is realized in various powers and with working width capacity of 80, 130, 160, 190, 250 or 310 cm, the MLS can be supplied with special equipment, according to the production requirements of the customer, for longitudinal grooves and cuts.

The machine features a precise and compact steel structure, which gives to the unit a high sturdiness and, moreover, it is equipped with:

- regulation system of the cutting and grooving depth, without changing the working table height with respect at the floor;
- workpieces advancement group through rollers, with opening by a pneumatic cylinder for permitting the tools change on the spindle;
- electronic adjustment of the advancement speed;
- motorized regulation system of the passage opening among the rollers of the advancement group, according to the panels thickness;
- safety system for panels thickness control during working process;
- tool-holder spindle of hardened and ground steel, with anti-rotation locking, so to make easier the tools change operations; it is supported at one extremity by a double fixed support and at the other one by a sliding support,

which can be removed for the setting / disassembling of the tools

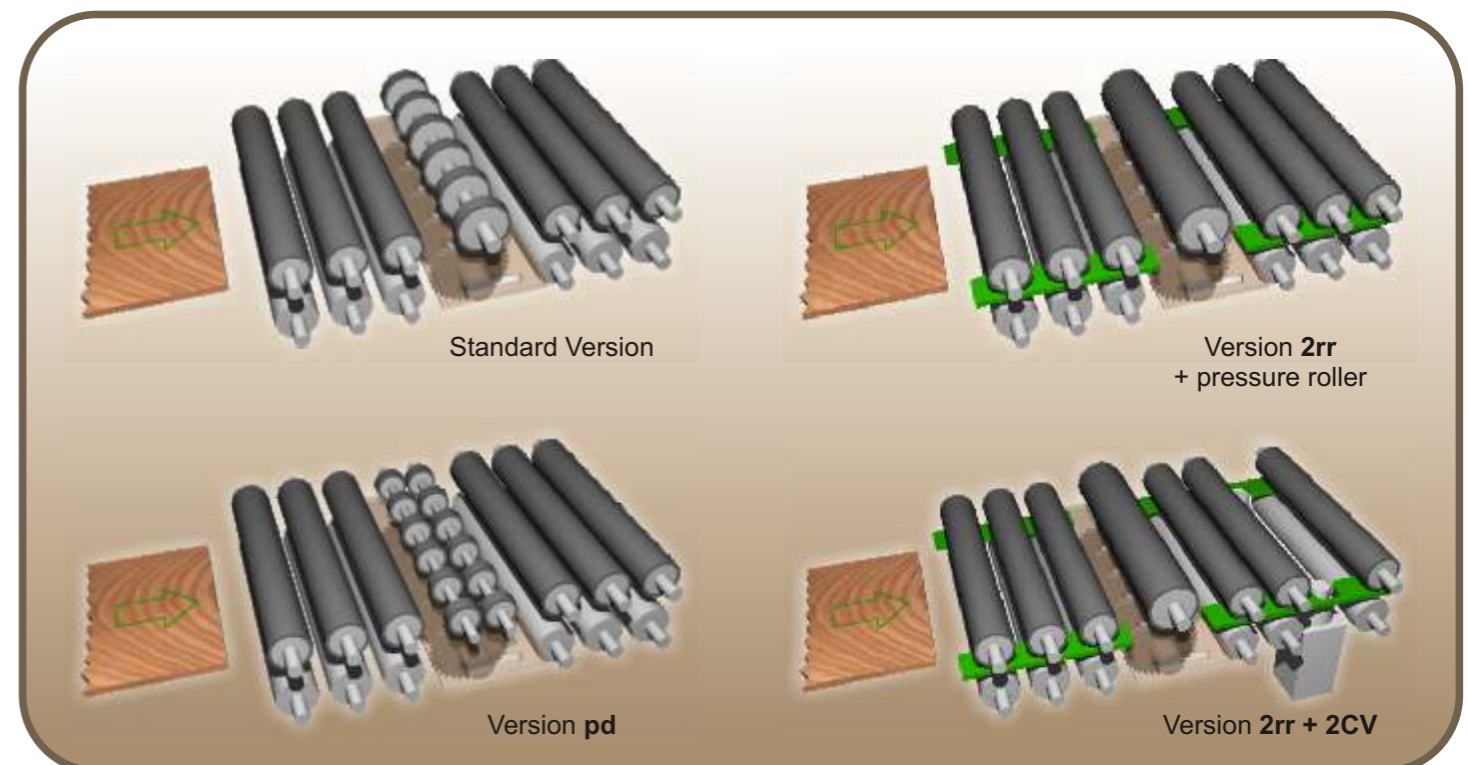
- interchangeable working table, which assures the perfect execution of the cut without vibrations;
- movable and conveying pressure wheels over the spindle, for keeping the workpiece pressed against the working table, during the cutting phase;
- pair of ejector rollers at output of the pieces, for eventual automatic stacker.

On request:

- version **P**: with more powerful motor, spindle with 2 tangs and further central support with automatic locking, for harder workings.
- version **L**: with shorter distance between the rollers, for cutting short pieces.
- version **pd**: double pressure wheels row, for cutting short pieces or thin thicknesses.
- version **R**: with radial advancement group, for cutting bent panels (slats for beds).
- version **2rr**: with side fences passing between the rollers not interfering on the tools, for guiding pieces to be milled in several passages (min. workpieces thickness 6 mm).
- version **2rr +2cv**: with pair of side fences not interfering on the tools and pair of vertical motors for joints (i.e. for panels for walls and ceilings).
- version **cc** for concordant to feeding millings
- input and output tables with adjustable fences, for manual loading and unloading of the short workpieces.
- pushing wheel on side fence.
- manual loader for the panels

- automations for the loading of the panels and the unloading of the worked elements.
- pressure wheel with groove, for the production of strips of width inferior to 45 mm.
- pressure roller over the spindle, with copy function.

- special drive system, for panels with out of tolerance thickness.
- alignment device of the workpieces through tracer laser ray.
- revolving tool magazine **MUR** to reduce tooling set-up time



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TECHNICAL DATA:	MLS80	MLS130	MLS 160P	MLS 190P	MLS 250P	MLS 310P
Spindle motorization (kW)	11 to 22	15 to 55	22 to 55	22 to 55	30 to 90	30 to 90
Tool-holder spindle (mm)	Ø 60 x 820	Ø 80 x 1310	Ø 80 x 1610	Ø 80 x 1910	Ø 80 x 2510	Ø 80 x 3110
Spindle speed (rpm)	4500	4000	4000	4000	3500	3500
Advancement motorization (kW)	1,1	1,5	2,2	2,2	3	3
Advancement speed (m/min)	3 to 45	3 to 45	3 to 45	3 to 45	3 to 45	3 to 45
Working table height (mm)	1120	1120	1120	1120	1120	1120
Ø Max. tools (mm)	230	280	280	280	280	280
Projection of the tools from the working table, adjustable (mm)	32 to 52	42 to 62	42 to 62	42 to 62	40 to 60	40 to 60
Projection of the tools WITHOUT working table, adjustable (mm)	42 to 62	52 to 72	52 to 72	52 to 72	50 to 70	50 to 70
Max. milling depth (mm)	12 with Ø 150 tools	22 with Ø 200 tools	22 with Ø 200 tools	22 with Ø 200 tools	20 with Ø 200 tools	20 with Ø 200 tools
Max working width (mm)	800	1300	1600	1900	2500	3100
Max work-piece width (mm)	950	1490	1780	2080	2760	3260
Min. work-piece length (mm)	380	470	500	500	520	520
Min. work-piece length for version pd (mm)	200	300	320	320	330	330
max. panel thickness (mm)	60	70	70	70	100	100
Ø Suction inlets	2 x Ø 160	2 x Ø 200	2 x Ø 200	2 x Ø 200	4 x Ø 200	4 x Ø 200
Dimensions L x P x H (mm)	1620 x 1340 x 1730	2200 x 1670 x 1870	2520 x 1820 x 1900	2900 x 1820 x 1900	3500 x 1820 x 1930	4100 x 1820 x 1930
Approx. weight (kg)	1200	2000	2500	2800	4200	4600
Standard electrical supply power	400V 50Hz					



Central support, machine version P



Mechanical-lock tool holder bush (on request)



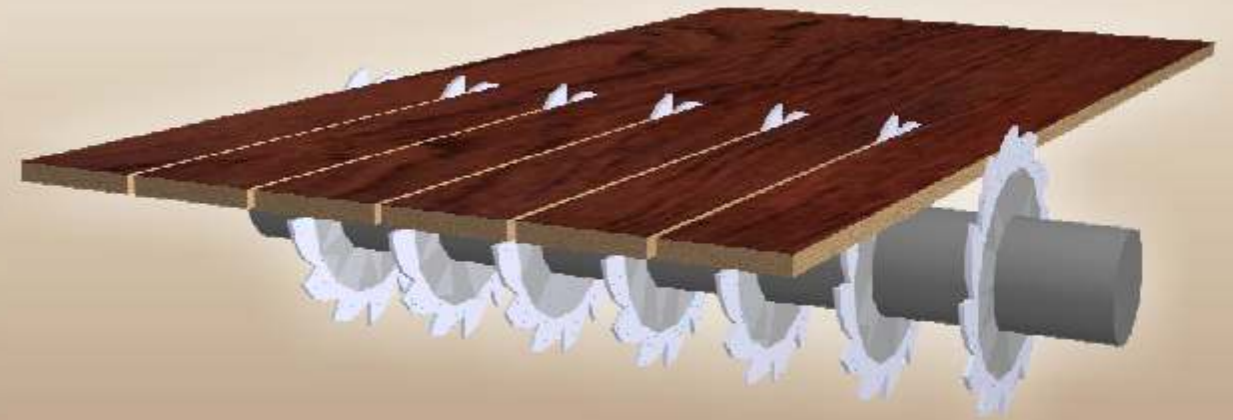
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Model

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