

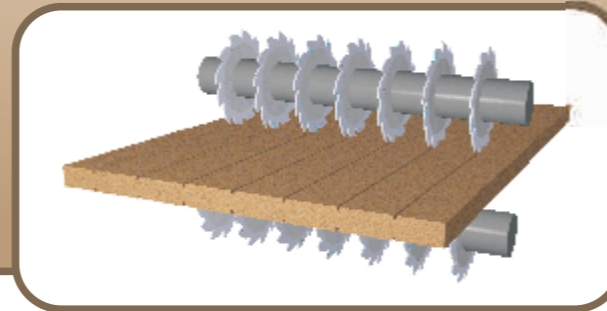
# MSR



Front view of the MSR 130 ds



View of the tool-holder spindles



The double spindle multiblade panel saw MSR born from the need to make incisions, multiple longitudinal grooves or cuts simultaneously on both surfaces of the panel processed.

The applications are related to the world of furniture, building and construction materials in general where the wood based panels can be used raw or coated such as MDF, HDF, plywood, particle board, then cement fiber boards, plastic laminates, and extruded plastic materials such as PVC, PP, and XPS, polyurethane foams and extruded panels, composite panels such as gypsum board or mineral fibers with surfaces already finished or coated with different decorative materials.

Made in different variations and processing capacity from 80, 130 up to 160cm the MSR can be equipped with special equipments according to different production requirements that will determine the different versions.

Equipped with a throughfeed advancement for the workpieces the MSR is a high-performance machine that can easily be integrated into a production line or interlocked with automatic loading and unloading devices for panels.

In addition to a robust, precise and generously sized welded steel frame the MSR is equipped with:

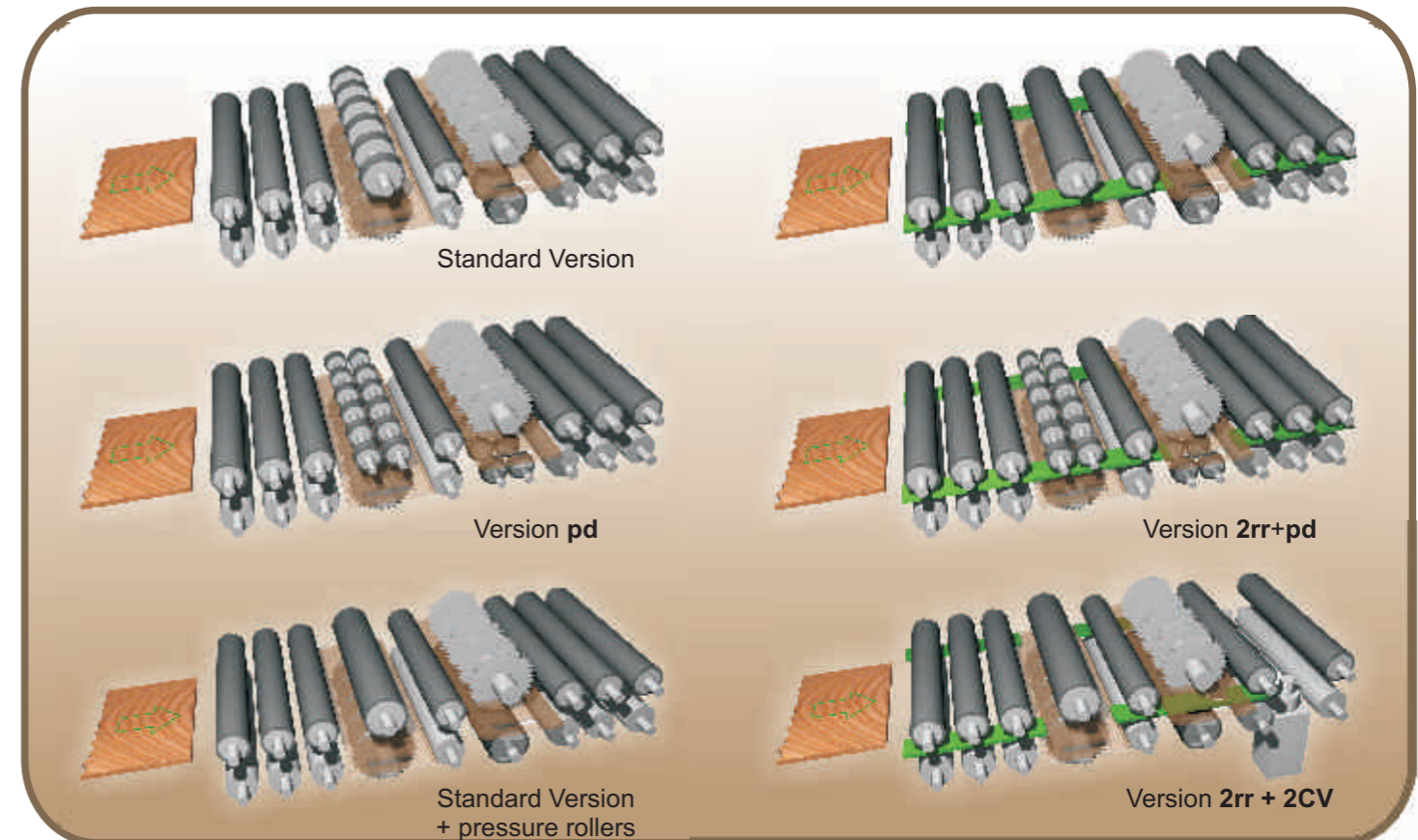
- cutting depth adjustment without changing the work plan to the floor by the 4 independent frames
- carters and cover plates with acoustic panels to ensure that noise emissions are in compliance with ISO 7960/95
- logic operation controlled by PLC with communication of digital data by digital bus. The insertion of quotas is done by touch-screen operator panel
- remote electrical cabinet control
- driving advancement group composed of rubber

- covered rollers with quick removal system
- quick replacement of the working tablets to ensure always the optimum cutting conditions without vibration.
- rapid and safely replacement of tool-holder spindles with removable support with electromechanical safety switch
- self-adjustment of the thickness set in order to compensate any difference in thickness between the various panels included
- lifting and handling of the tools holder shafts and then bench storage with 4 stations equipped with the linearity control and balancing systems
- chip extraction hoods to be connected to the suction system

On request:

- contrast driving rollers, over the spindles, With the copy function of the surface of the workpiece in order to accurately detect the depth of groove
- **2rr** version: with plastic laminate guides passing through the rollers to ensure smooth entry of the already squared workpiece
- **pd** version: with a double row of contrast wheels for cutting short pieces or thin thickness
- **P** version: with more powerful engine and central support of the spindle with automatic lock, for the toughest applications
- input and output tables with lateral fences for loading and unloading of short pieces
- automated systems for automatic loading and unloading of the panels and cut the elements
- special drive system for panels with thickness out of tolerance

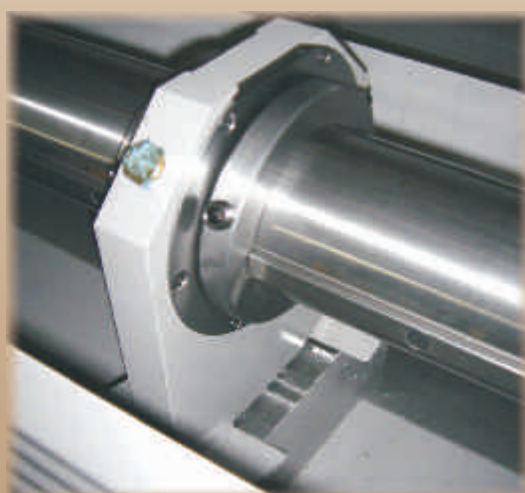
- tailrace tunnel with metal walls as required by UNI EN 1870-4 in relation to working in accordance with rotation of the tool to the sense of progress of the piece



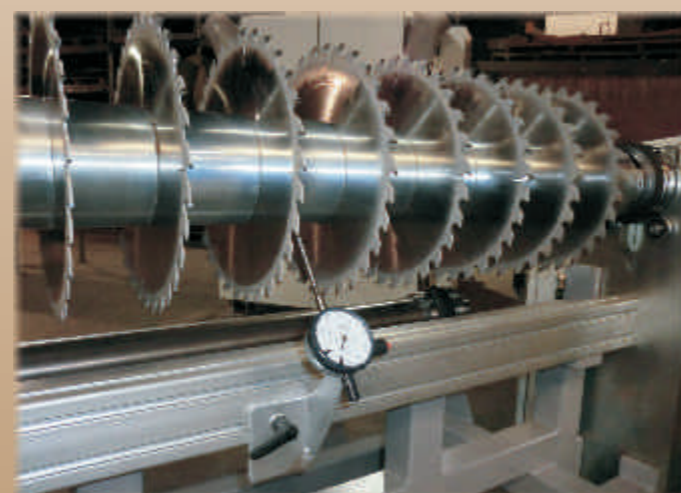


# MSR

TECHNICAL DATA:	MSR 80	MSR 130	MSR 160P
Spindle motorization (each) (kW)	from 11 to 37	from 15 to 45	from 22 to 45
Tool-holder spindle (mm)	Ø 80 x 810	Ø 80 x 1310	Ø 80 x 1610
Spindle speed (rpm)	4200	4200	4200
Advancement motorization (kW)	1,1	1,5	2,2
Advancement speed (m/min)	from 3 to 45	from 3 to 45	from 3 to 45
Working table height (mm)	min 970 max 1300	min 970 max 1300	min 970 max 1300
Ø Max. tools (mm)	280	280	280
Projection of the tools from the working table, adjustable (mm)	62	62	62
Projection of the tools WITHOUT working table, adjustable (mm)	72	72	72
Max working width (mm)	800	1300	1600
Max work-piece width (mm)	1000	1500	1700
Max work-piece width for version <b>2rr</b> (mm)	860	1360	1660
Min. work-piece length (mm)	485	485	485
Min. work-piece length for version <b>pd</b> (mm)	310	310	310
max. panel thickness (mm)	120	120	120
Ø Suction inlets	4 x Ø 200	6 x Ø 200	6 x Ø 200
Dimensions L x P x H (mm)	2350 x 1720 x 2100	2850 x 1720 x 2100	3150 x 1720 x 2100
Approx. weight (kg)	3000	4600	5600
Standard electrical supply power	400V 50Hz		



Central support, machine version P



Balancing system for the tool-holder shafts



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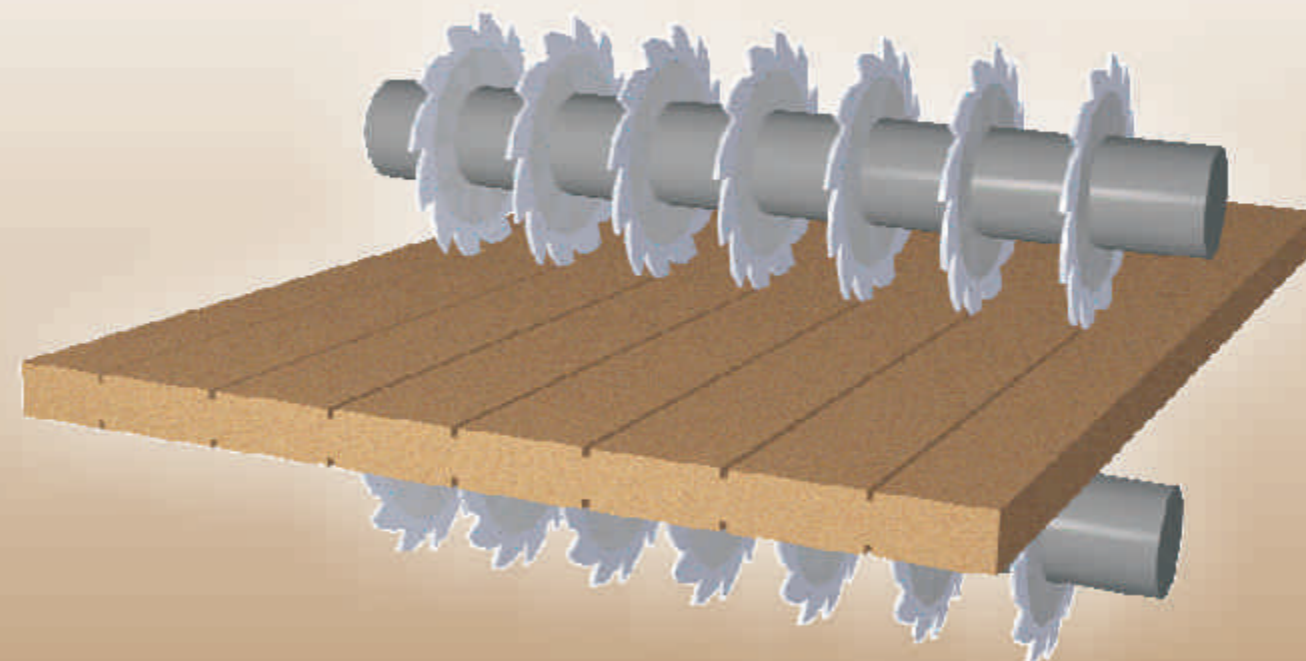
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Vers. 01.2012

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## Double Spindle Multiblade Panel Saw

Model

# MSR

80 - 130 - 160