MLS-T

Front view of the MLS 370-7T

View of the tool-holder heads

The Multi-blade Panel Saw has been devised for execute cuts and multiple grooves on wood-based panels but also plastics and fibers in general also with veneered surfaces and coated with various decorative 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, furnishing elements, decorative and so on.
It is realized in various powers and with working width capacity of 80, 130, 250 or 370 cm, the MLS-T can be supplied with special equipment, according to the production requirements of the customer, for longitunal 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 set-up of the sawing heads;
- electronic regulation of the advancement speed with self-adjustment in according with the loads of the spindles motors;
- 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 spindles made of hardened and ground steel, with sealed bearings;
- rapid dismantling of the tools;
- vertical pneumatical release of the sawing heads, with selection from the control panel;
- 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 **pd**: double pressure wheels row, for cutting short pieces or thin thicknesses.
- electronic regulation of the rotation tools speed
- input and output tables with adjustable fences, for manual loading and unloading of the short workpieces.
- manual loader for the panels
- automations for the loading of the panels and the unloading of the worked elements
- pressure roller over the spindle, with copy function.
- special drive system, for panels with out of tolerance thickness.
- automatic device for the positioning of the sawing heads with laser ray tracer.

Standard version

Version pd

Sawing Head

MLS-T

TECHNICAL DATA:	MLS 80-2T	MLS 130-3T	MLS 250-5T	MLS 370-7T
Spindles motorization (kW)	6 (3 x 2)	12 (4 x 3)	20 (4 x 5)	28 (4 x 7)
Tool-holder nose spindle (mm)	Ø 60 x 38	Ø 80 x 48	Ø 80 x 48	Ø 80 x 48
Spindle speed (rpm)	4500	4500	4500	4500
Advancement motorization (kW)	1,1	1,5	3	3
Advancement speed (m/min)	from 3 to 45	from 3 to 45	from 3 to 45	from 3 to 45
Working table height (mm)	1120	1120	1120	1120
Ø Max. tools (mm)	230	280	280	280
Projection of the tools from the working table, adjustable (mm)	from 0 to 47	from 0 to 60	from 0 to 60	from 0 to 60
Projection of the tools WITHOUT working table, adjustable (mm)	up to 57	up to 72	up to 72	up to 72
Max working width (mm) (Max distance head to head)	800	1300	2500	3700
Min. distance head to head (mm)	400	400	400	400
Min. distance head to head (mm) (on request)	250 o 100	250 o 100	250 o 100	250 o 100
Max work-piece width (mm)	950	1490	2760	3860
Min. work-piece length (mm)	380	470	520	520
Min. work-piece length for version **pd** (mm)	200	300	330	330
Max. panel thickness (mm)	60	70	100	100
Ø Suction inlets	2 x Ø 160	2 x Ø 200	4 x Ø 200	4 x Ø 200
Dimensions W x D x H (mm)	1620 x 1340 x 1730	2200 x 1670 x 1870	3500 x 1820 x 1930	4100 x 1820 x 1930
Approx. weight. (kg)	1200	2000	4200	4600
Standard electrical supply power	400V 50Hz			

Rollers introducer with manual pusher

Rapid unlocking of the tools

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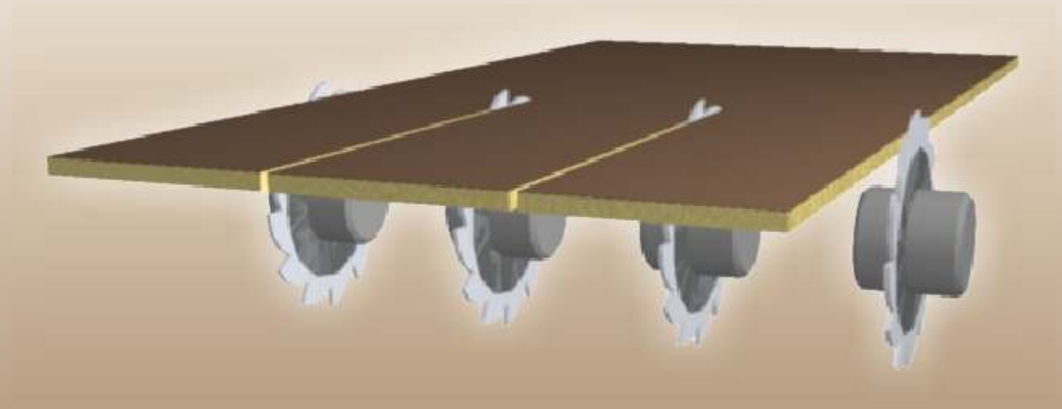

Multihead panel Saw

Model

MLS-T

80 - 130 - 250 - 370