

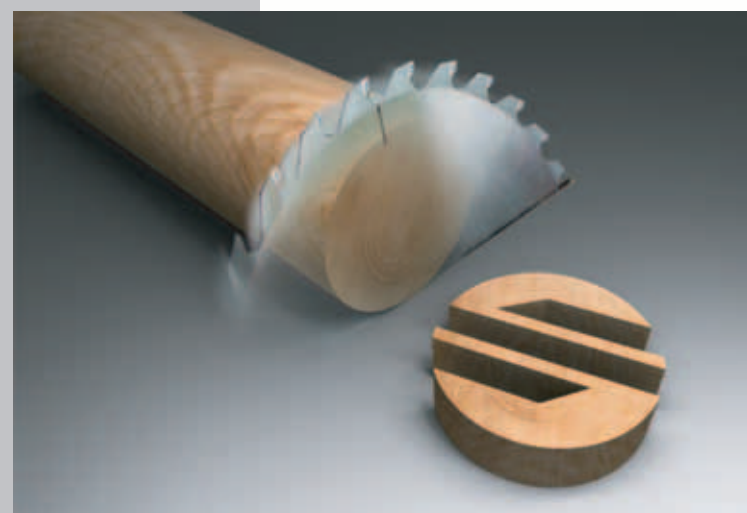


The combination of UKS 700 and FLS 170 is the ideal work arrangement to obtain the optimal yield during material processing.

Störi Mantel company focus on the production of wood-working machines, as well as offers consultant services to its customers related to complete supply of the required technological units for processing of massive wood, large-sized materials, plastics, insulative sandwich panels with steel walls, etc.

The main advantage of Stori Mantel equipment:

- maximum yield by effective wood processing
- versatile, flexible and one-operator production
- unlimited width of input material
- elimination of sawn timber shape defects
- customization of every machine according to individual customer needs
- it is designed for small and medium-sized companies
- equipment solutions for larger operations
- high safety

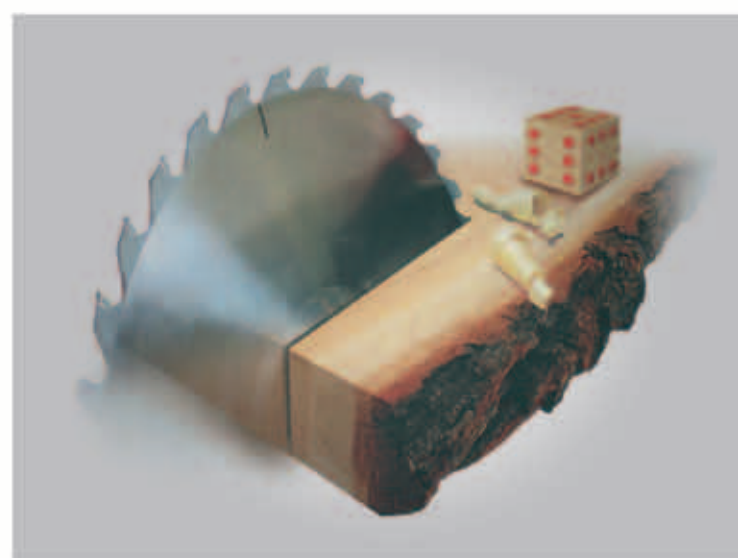
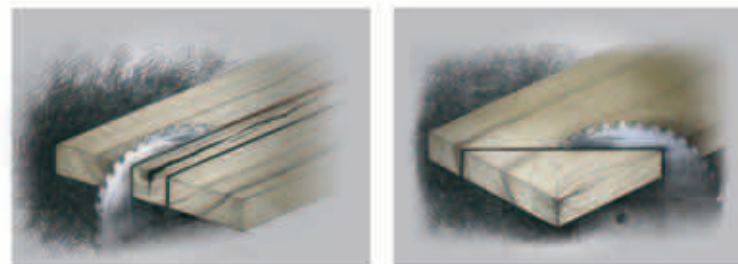
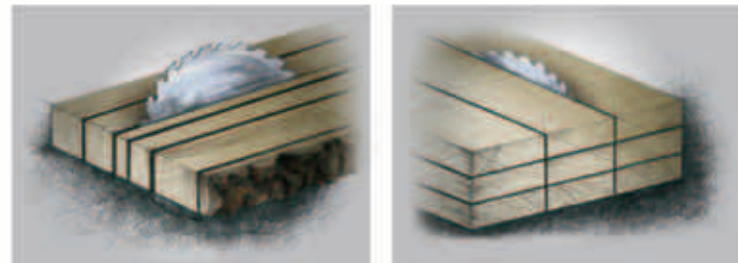


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Examples from practice
Automatic line for production of boards and processing of large-sized materials.

- 11/ back feeding of material
- 12/ formatting of large-sized materials
- 13/ FLS with automatic material feeding and packet separator

Woodworking possibilities with FLS 170



STÖRI MANTEL

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...when machines understand you



FLS 170 One Blade Rip Saw

More information about KP 900 available at www.stoerimantel.cz

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Ripping with the FLS 170

Increases yield, labour productivity, and value of the wood quality with special attention on a clear cut, simplicity and user safety. FLS 170 represents modern and universal technology for processing of solid timber, large-sized boards and other materials.

Basic Function and Description of FLS saw

Material to be cut is loosely laid onto the saw bench and is then sawn longitudinally by a travelling saw blade. After the cut is finished the saw blade retracts under the saw bench and returns to its home position. Simultaneously the rear longitudinal mechanical back stop (measuring device) automatically moves the processed material to the next pre-programmed dimension to be cut.

Use in Practice:

The highly versatile saw FLS 170 is mainly used in small and medium-sized companies. The FLS 170 can process solid timber and large-sized materials. The materials can be edged, ripped and formatted and is used for the production of boards and timber sections. The input material can also be cut into angles and mitres by using additional optional extras.

The other advantage is the high speed, precision of individual cuts and high variability of processed material input and output dimensions. FLS 170 is highly used and appreciated in sawmills, furniture production, window-frames, doors, carpentry and staircases production. The machine also works successfully in the processing of large-sized materials and with timber house construction.

Advantages:

Rear mechanical back stop provides fast, accurate and easy cut width dimension adjustment. The values can be set manually or automatically by three basic programs in the control.

Absolute setting provides automatic drive of material to be cut to the selected programmed width dimension.

Chain setting provides automatic drive by a pre-programmed width dimension (total width + saw blade thickness)

Optimization setting - automatic combination of material widths according to the pre-programmed dimensions (width optimization for best results)

FLS 170 – represents reliability and preciseness

All types of control are available in the standard equipment configuration. Infinitely adjustment of saw-blade movement at the speed of 1 – 80 m/min provides high performance. Stroke regulation ensures clean and quality cut face. Replacement of saw-blade is fast, easy and safe. The saw blade can be equipped with a quick-mount fitting. The saw can also be equipped with a laser whose beam marks the cutting path and enables precise adjustment of the cut.

The machine fulfils strict requirements for work safety stipulated by respective EC standards.



1/2/3/4/ FLS allows longitudinal, cross cuts, as well as the cutting of angles, cutting of material in a packet, ripping of large-sized material and cutting steel sandwich panels, etc.

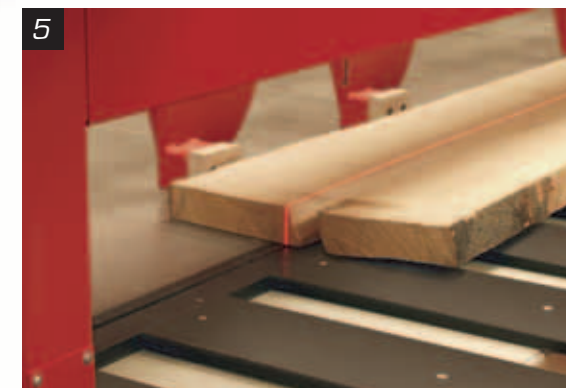
FLS 170 One Blade Rip Saw

The functionality of FLS 170 is extended by optional accessories:

- pneumatic timber clamp adaptable or combined with forced guidance
- cutting in angles up to 60°
- mitre cutting
- cross-table for easy formatting
- optional cut width up to 3 m
- quick-mount fitting of the saw blade
- overhanging of exhausting tunnel



Awarded with Gold Medal



5/ The laser beam shows the direction of cutting and facilitates quick material placing during trimming and ripping.



6/ Input chain conveyor increases labour productivity (option).



7/ Metal plates with ball rollers allow easy manipulation of heavy materials.

Technical Description:	
Motor power	11 kW or 15 kW, 2900 rev/min.
Cut height	standard 0 - 170 mm or 0 - 205 mm optional up to 300 mm
Saw blade diameter	Ø 450, 550, 650 mm.
Saw blade bore diameter	Ø 80 mm \pm 0.05
Material feeding speed	infinitely adjustable 0 – 80 m/min
Cutting length	2.2 – 9.2 mm up to 16.2 m (optional)
Cutting width	standard 450 mm 3000 mm (optional)
Operating height	850 ± 50 mm
Outer dimensions	length = cut length + 1800 mm width = 1200 mm (standard)
Extraction tunnel duct	160 mm
Extraction channel duct	160 mm
Desired extraction speed	25 - 30 m/s



8/ Clearly structured control panel with touchscreen and dual 25 mm LED display for easy reading of absolute and chain position.



9/ Drive system of backstop is optional and is designed according to the type of machine utilization and customer requirements.

10/ Double-precision bearings for saw carriage

