

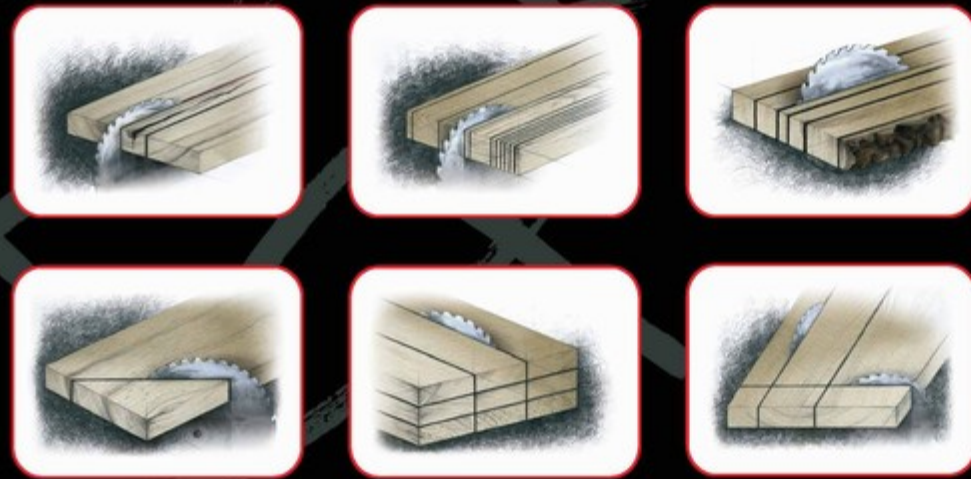
Störi Mantel company in Rožnov pod Radhoštěm, Czech Republic is producing wood processing equipment since 1995. The company also focuses on further engineering and development of existing and new equipment, as well as expertise and advisory in the area of wood cutting and further wood processing.

The main advantage of Störi Mantel equipment:

- maximum yield of quality timber to be sawn (examination of every cut)
- no limits on input material dimensions
- elimination of sawn wood shape defects
- customization of every machine according to individual customer needs
- custom-made machines for small businesses (wide range of standard types)
- equipment solutions for larger operations

Advise, design, implement !

Woodworking possibilities with FLS 170



Basic set for solid wood processing



Production experience since 1995...



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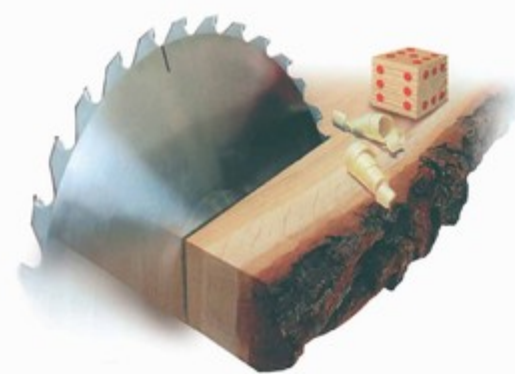
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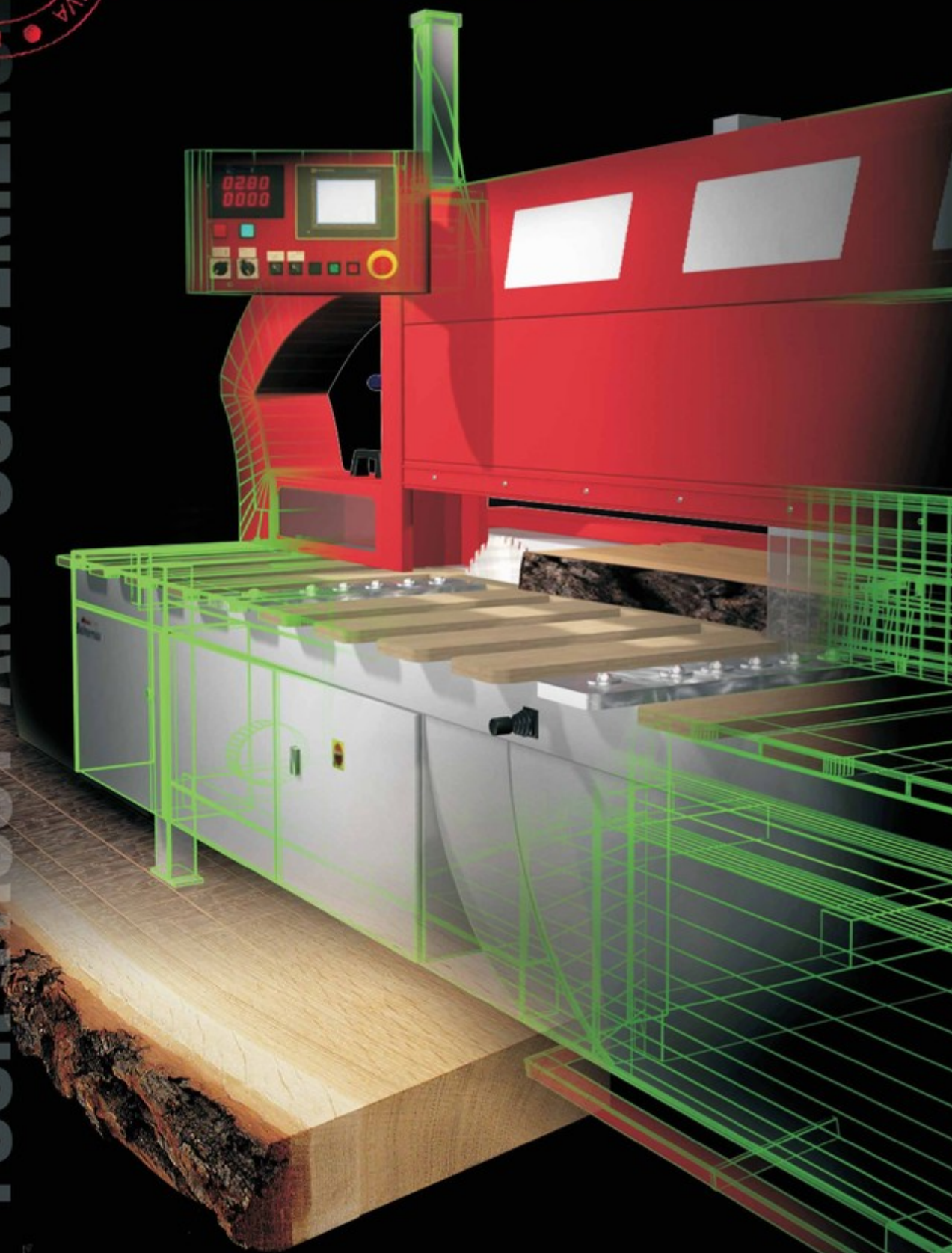
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STÖRI MANTEL

YOUR TRUST AND CONVENIENCE IN WOODWORKING



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Vote for certainty !

Modern wood processing technology with use of one-blade rip saw FLS 170 significantly increases yield and brings higher added value to the quality of processed wood. A strong emphasize on quality of the cut and ease of operation is carefully attended to.

Saw arrangement and basic function description:

Cut material, loosely laid on the workbench, is sawn longitudinally by a traveling saw blade. After the cut is finished, the blade hides under the workbench and drives to its home position. Simultaneously, rear longitudinal mechanical stop (ruler) automatically moves processed material to the length to be cut in the next round.

Use:

Highly versatile saw FLS 170 is widely used mainly in small to medium size operations. The FLS 170 can process prisms, wood timber and large-area material. Input materials can be edged, ripped, formatted, used for production of cut-to-size elements, and lamellas. The input material can also be angle and mitre-cut. The equipment advantage is high speed and precision of individual cuts and a high degree of variability of processed material input and output dimensions. FLS 170 equipment is highly appreciated in saw-log operations, furniture manufacture, window-frames, doors and staircase parts manufacture. The equipment is also successful in processing large-area materials, carpentry operations, and wooden construction.

Advantages:

Rear mechanical stop provides fast and easy adjustment of cut width. The values can be automatically selected by means of three program systems:

Absolute setting provides automatic drive of material to be cut to the selected width
Chain setting provides automatic drive by a pre-set distance (total width decrement + sawthickness)

Optimization setting automatic combination of widths within one material according to pre-set parameters (width optimization for best results)

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

saw-blade truck



The saw can also be equipped with a laser whose beam marks the cutting path and enables precise adjustment of the cut.

The equipment design is based on safety standards outlined by CE, GS and UL.



control panel



blade quick-mount fitting

pneumatic pressure



pneumatic equipment



metal plate for easy manipulation with material



electric equipment

FLS 170

one-blade rip saw

Technical data:

| | |
|---------------------------|---|
| Engine | 11 kW or 15 kW, 2900 rev/min. |
| Cut height | 170 mm (standard) up to 300 mm (optional) |
| Saw blade (diameter) | 350 - 550 mm. |
| Blade clamping diameter | 80 mm |
| Material cut feed | Infinitely adjustable 0 - 80 m/min |
| Cut length | up to 9,2 m (standard) up to 16,2 m (optional) |
| Cut width | 450 mm (standard) 2500 mm (optional) |
| Operating height | 850 ± 50 mm. |
| Outer dimensions | length = cut length + 1800 mm width = 1200 mm (standard) |
| Exhaust tunnel duct | 160 mm |
| Exhaust channel duct | 160 mm |
| Required exhaust velocity | 25 - 30 m/s |

The functionality of FLS 170 is further extended by program accessories:

- pneumatic clamp
- cut tilt up to 45°
- cut angle up to 45°
- traveling compound formatting table
- cut width of up to 2,5 m
- blade quick-mount fitting



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