



# **STÖRI MANTEL**

*...when machines understand you*



**KP 500 OPTIM**  
*Optimizing Cross-Cut Saw*

# KP 500 Optimizing Cross-Cut Saw

## Performance, speed, reliability...

The latest woodworking technology has increased the requirements for the maximum yield of worked material. The KP 500 optimizing cross-cut saw is a reliable and fast device capable of delivering the maximum yield and high productivity during cross-cutting.

## Use in Practice

The KP 500 saw is designed to cut out defects and optimize set lath lengths during the manufacture of laminated window and door edges or beams, edge glued panels and wood furniture. The solid and robust body of the saw ensures perfect and fast wood cross-cutting. The feeding mechanism with a pushing frame supplies material to be cut at high speed and accuracy of  $\pm 0.3$  mm ( $\pm 0.1$  optional).

## Function Description

The operator performs a visual inspection of the material and marks all defects by chalk. The material is placed on the feeding table of the machine where it is automatically "screened" and positioned for cutting. The cut parts at the saw end correspond to the criteria established by the markings and set material lengths.

## Work Safety

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

## Control System

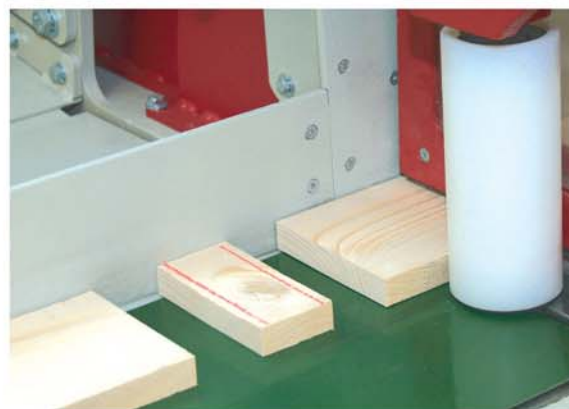
- variability in set lengths
- a piece list of set lengths
- two optimization alternatives – length priority, yield priority
- composition and archiving of created cutting-schemes based on individual tasks
- updated statistics of material cutting and saw operation
- electronic adjustment of the feeding speed
- precise adjustment of the saw blade height

## Other Optional Functions

- remote communication with PC, online machine operation monitoring, composition and uploading of cutting lists and tasks for the operator
- automatic lock-in material feeder designed to be used in series production
- rear sorting conveyor optionally equipped with ejectors and sorting systems for waste material separation

## Technical Description

- saw blade diameter  $\varnothing$  500 až 550 mm
- engine power 5,5 kW - 7,5 kW
- cutting accuracy  $\pm 0.3$  mm ( $\pm 0.1$  mm optional)
- maximum feeding speed 120 m/min
- pneumatic air connection 0,8 Mpa
- exhaust socket 1 x 120 mm, 30 m/s
- operating height 850 mm
- built-in control panel
- SM OPTIMAL control software
- cutting height – according to the cutting diagram
- the length of the input table 4.2 - 6.2 m
- highly accurate, highly durable, low noise levels



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Cutting diagram KP 500 - Optim

