



*inspired by  
craftsmanship*

# ***Crossline***

Automatic crosscut saws



# Crossline 500

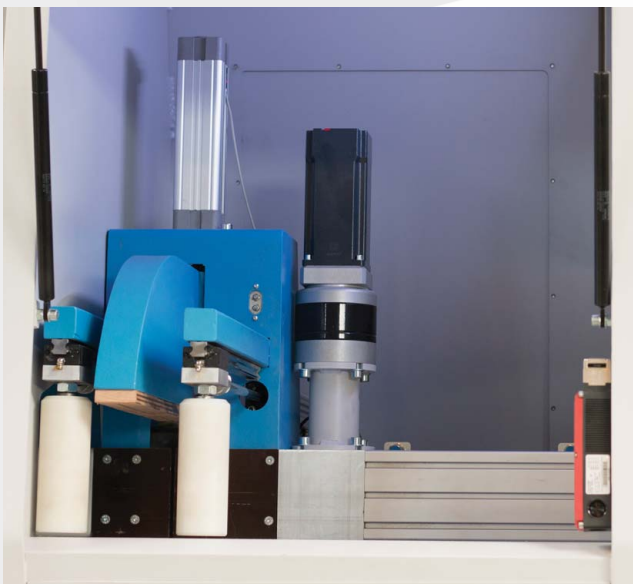


The automatic crosscut saw Crossline 500 consists of a machine with a sawblade of diameter 500 mm, a servo-driven electronic loading pusher, and a fixed unloading table.

The standard length of the entrance table is for wood of 6, 9 or 12 meters. The exit table is 4, 6 or 9 meters long. The machine can be a part of production lines equipped with material handling conveyors and manipulators.

This robust crosscut saw is used in many branches of the woodworking industry, at sawmills, cutting centres, furniture factories, etc. It is mainly designed to prepare material for window and door manufacturing. Besides standard cutting, the machine can cut window scantling in pairs, simplifying production sequencing.

An optionally attached label printer automatically labels elements as they exit for easy identification in subsequent assembly. Other options are an inkjet or laser printer. Crossline 500 can become part of an integrated production control system with data from WinCreator (windows), WorkCreator (prefab), or third-party software.



side and top clamp for precise cut

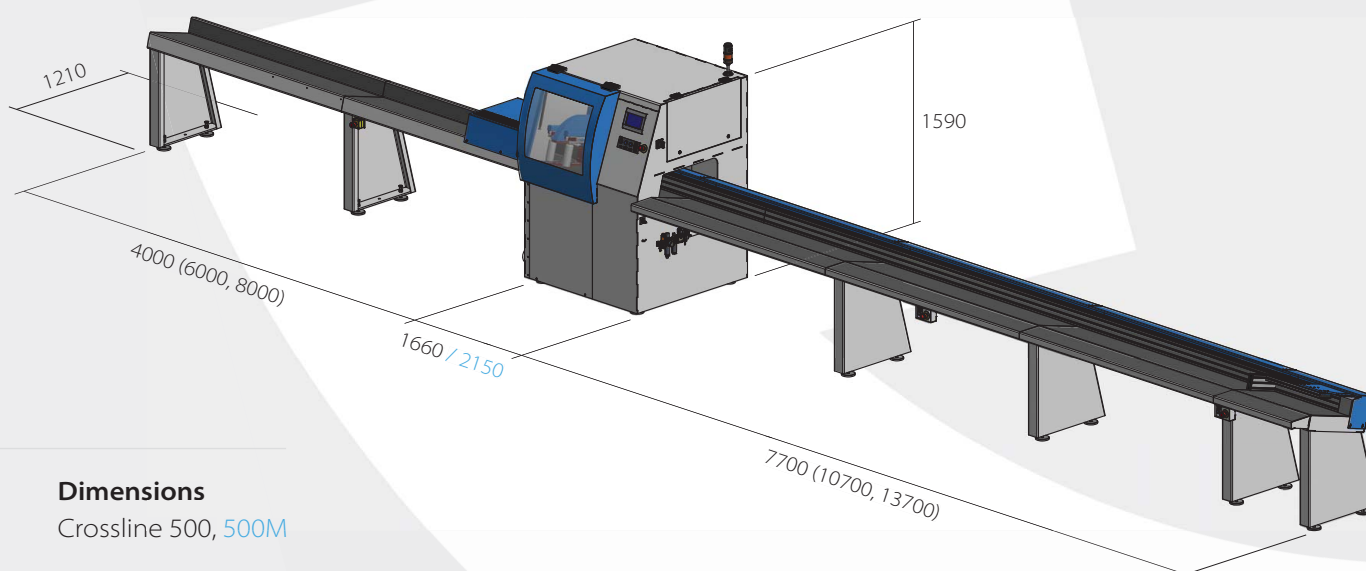
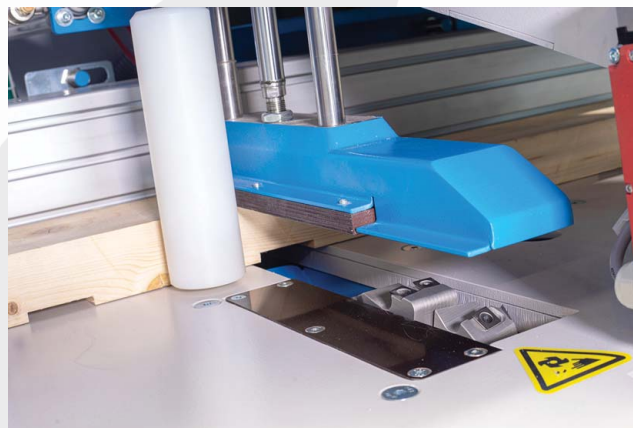
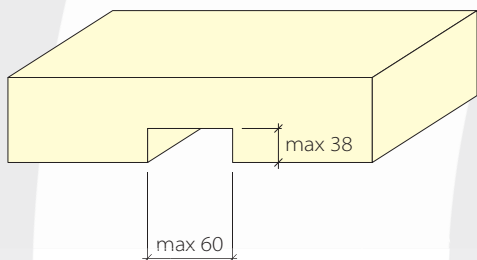




# Crossline 500M

The basic Crossline 500 model can be supplemented with a **grooving module**, which is used mainly during prefabrication to position the studs in the panel construction precisely. The data for the location of the groove can be obtained in BTL format from the design program or entered in the WorkCreator program.

- Lower milling unit for production of grooves
- Width of milling groove max 60 mm (according to tools)
- Depth of milling max 38 mm



## Dimensions

Crossline 500, 500M



# Crossline 650

Automatic crosscut saw Crossline 650 is mainly intended for the production of trusses and is also used in furniture production, where we work with cutting angles.

The machine is equipped with a turntable with a  $\varnothing 650$  mm sawblade facilitating angled cuts of  $\pm 70^\circ$ . The material is inserted into the machine by a servo-driven electronic pusher. The head of the material is automatically detected as it is pushed into the machine. The cutting accuracy is ensured by two upper and two side pneumatic clamps with individual control and adjustment. After the material is positioned, clamped, and the saw angle set, the saw blade automatically rises to perform the cut. After cutting, the material is released and pushed to the outfeed table.

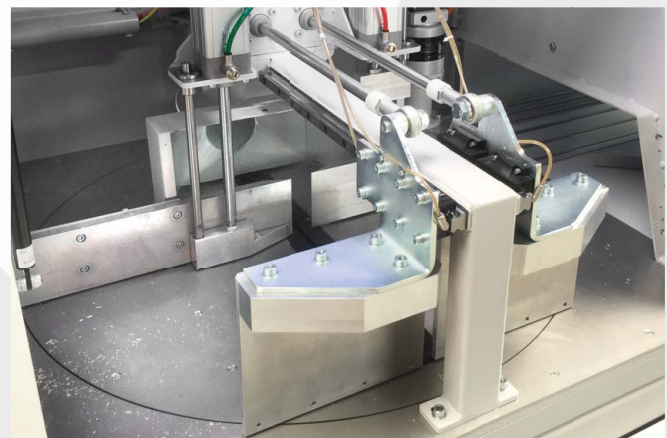
The machine can work manually or automatically, linked to data from WorkCreator or third-party software providing BTL files.



sawblade facilitating angled cuts



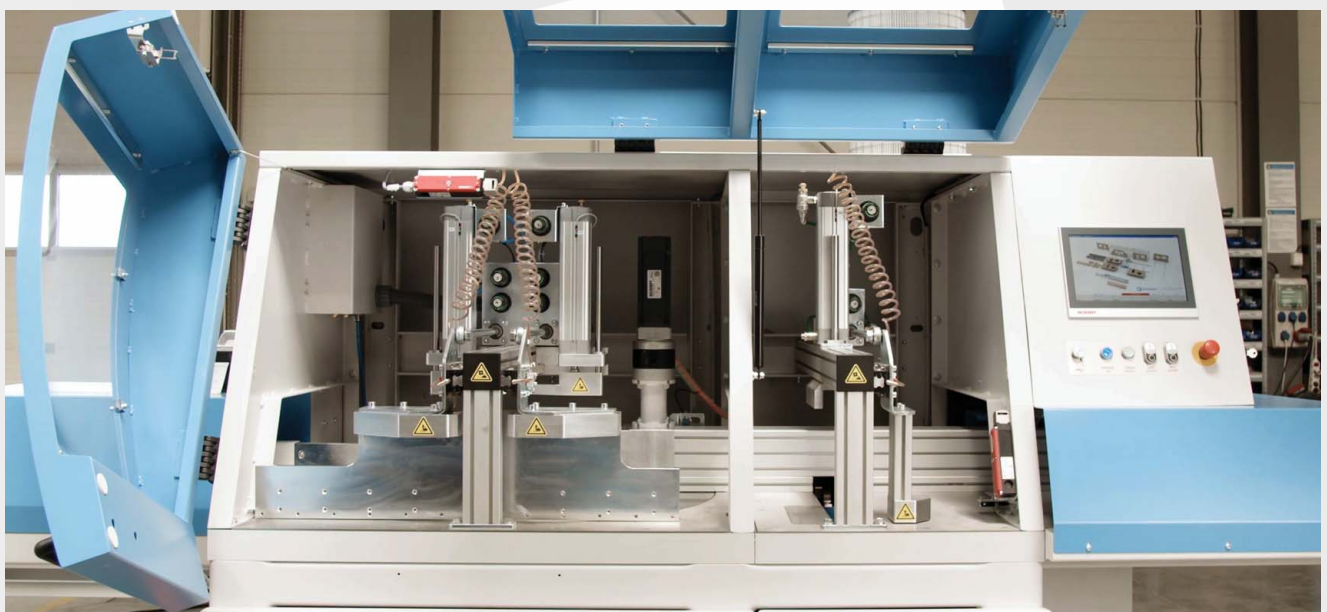
upper and side individually controlled clamps



# Crossline 650M

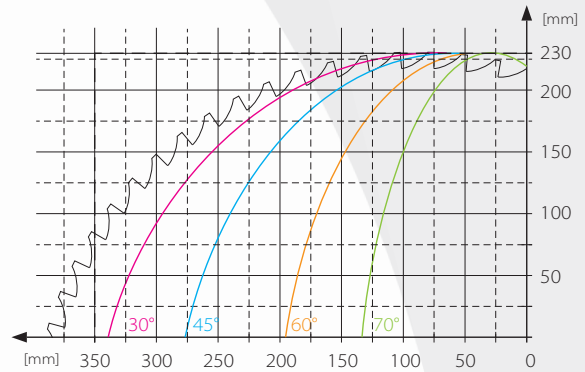
Crossline 650M is supplemented with a grooving module. Its use is where we need to combine the production of trusses with the cutting of material for wall panels for the exact position of the studs in the structure.

Crossline 650M, thanks to its functionality, is an efficient complex solution and often is an alternative to complicated machining centres in the prefabrication of wood-based panels.



- Beckhoff industrial PC with 12" Touch screen
- saw blade  $\varnothing$  650 mm, 2800 RPM
- saw blade motor 7,5 kW (HP 10)
- rotation 20°- 160°
- saw blade lifting speed regulation
- upper and side pneumatic clamps
- individual pressure regulation for clamping elements
- tolerance of precision cut  $\pm$  0,5 mm/bm
- feeding speed regulation (0-60m/min)
- entrance table for the material of 6000 – 9000 – 12 000 mm
- automatic material measurement
- soundproof design
- dust extraction outlet  $\varnothing$ 120 mm +  $\varnothing$ 120 mm

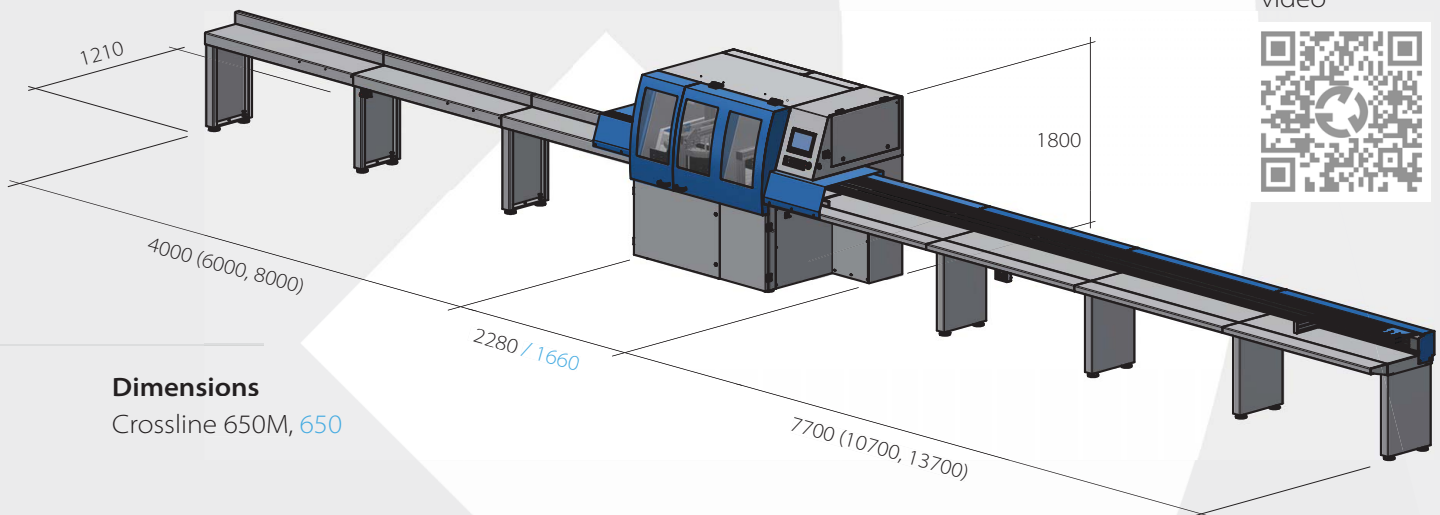
cutting diagram for Crossline 650, 650M



#### Grooving module (Crossline 650M)

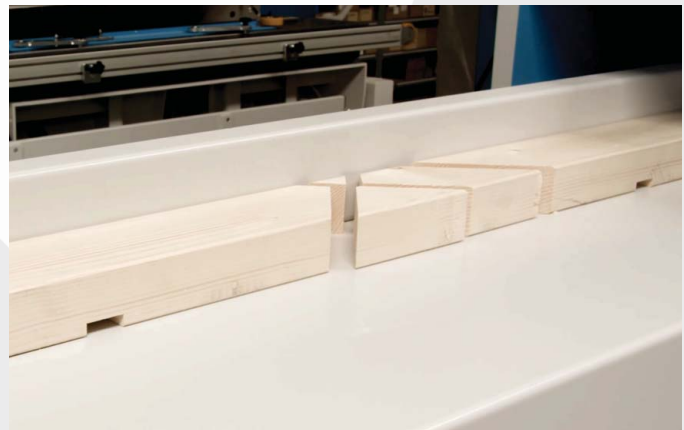
- Lower milling unit for production of grooves
- Width of the groove max 60 mm (according to tools)
- Depth of milling max 38 mm

video



#### Dimensions

Crossline 650M, 650





SOUKUP, established in 1991 based in the Czech Republic, has always been in tune with its customers' requirements. The primary reason we started to build our own machines was that we were unable to find any machine on the market which could fully match the carpenter's way of thinking and doing things.

By taking a more in-depth look at our projects, you will see that there are many original approaches and solutions to various technical tasks all based on our extensive practical experience of producing woodworking machines.

We do not want our customers to simply be able to use the machines; more importantly, we want them to feel naturally involved as part of the overall process. We believe that the correct technological choices and subsequent implementation in conjunction with the needs of our customers are key factors in the success of their future production. We will be pleased to share our knowledge and experience with you.



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