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EXPERTS IN CROSSCUTTING SOLUTIONS SINCE 1965

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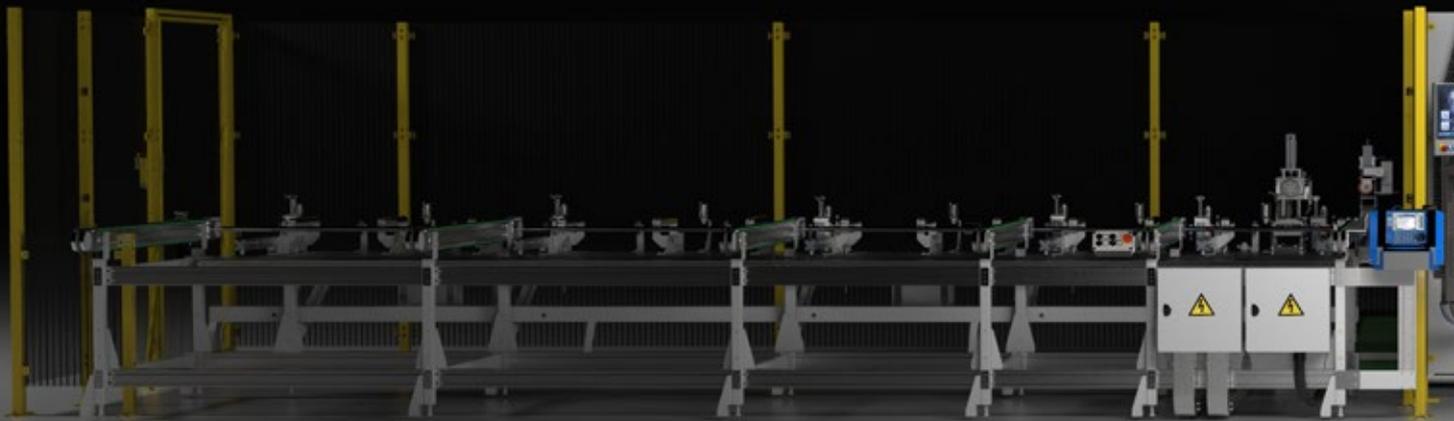
# MV520

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**FIVE-AXIS  
CUTTING CENTRE**



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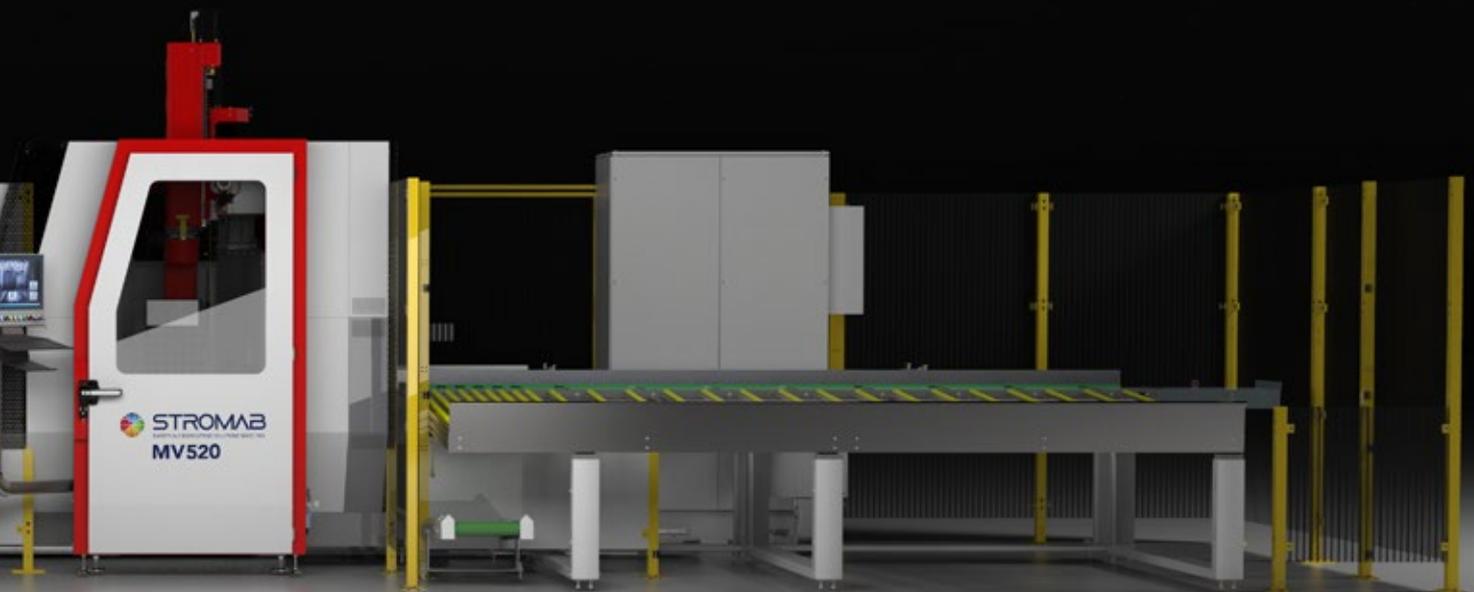
# FLEXIBILITY, SPEED AND PRECISION OF CUT

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The MV520 is the ideal solution for all straight, bevel and compound cutting requirements. Its flexibility, speed and precision make this cutting centre the ideal solution for timber frame and roof truss manufacturers. The MV520 can process timber of any length from 40 x 20 mm up to 80 x 300 mm in size.

The elegant housing, as well as protecting the operator from risk, also provides effective dust management and noise reduction.

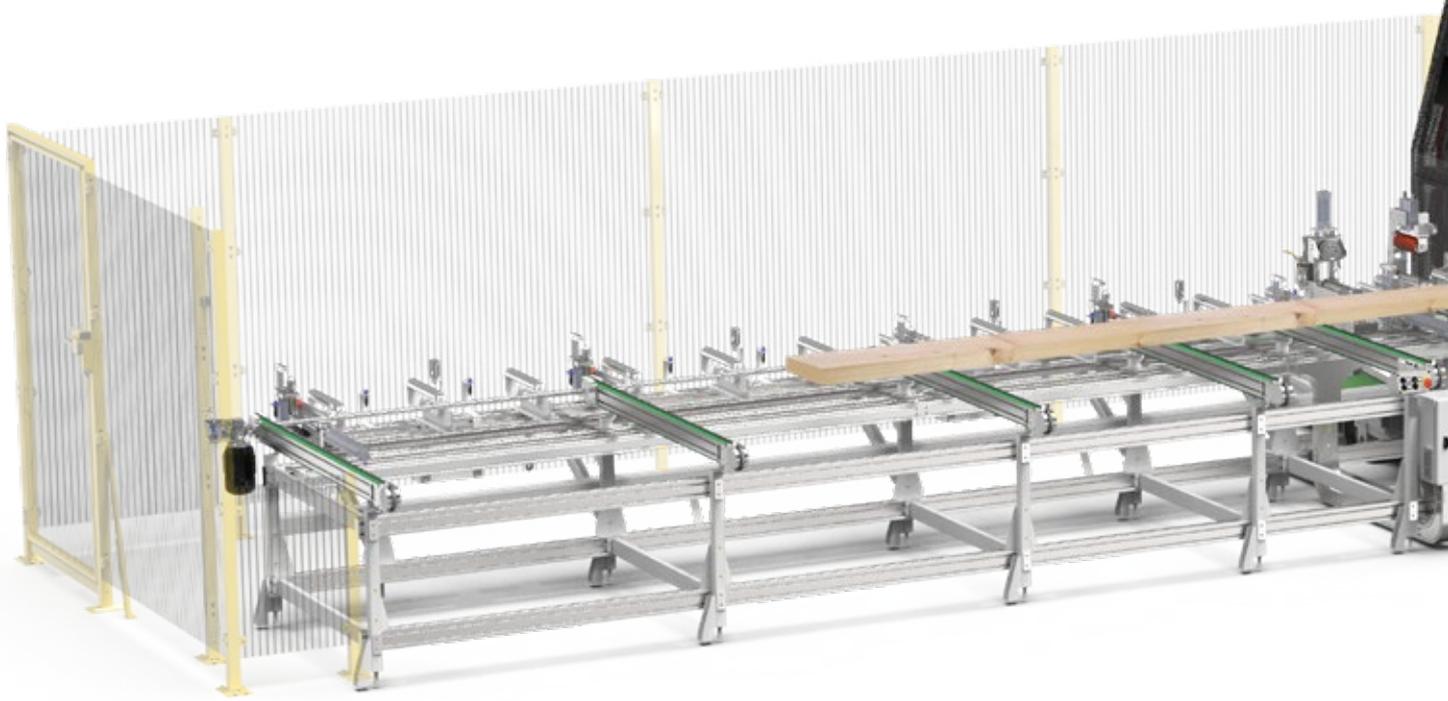
Flexibility, speed and precision are the key features of the MV520.



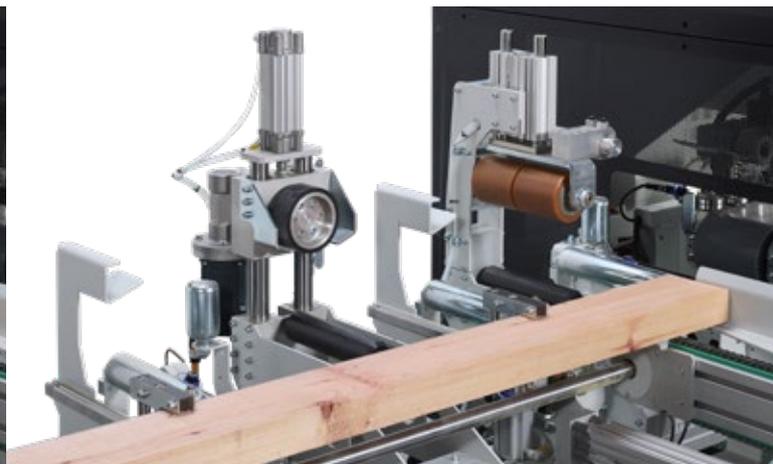
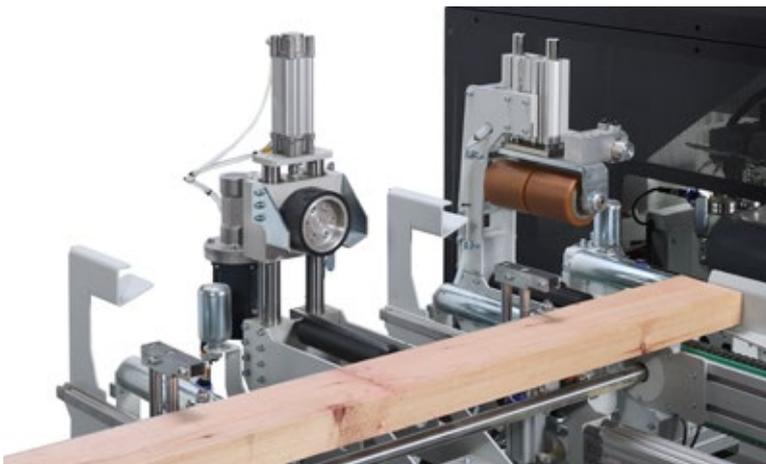
# MV520 - AUTOMATIC

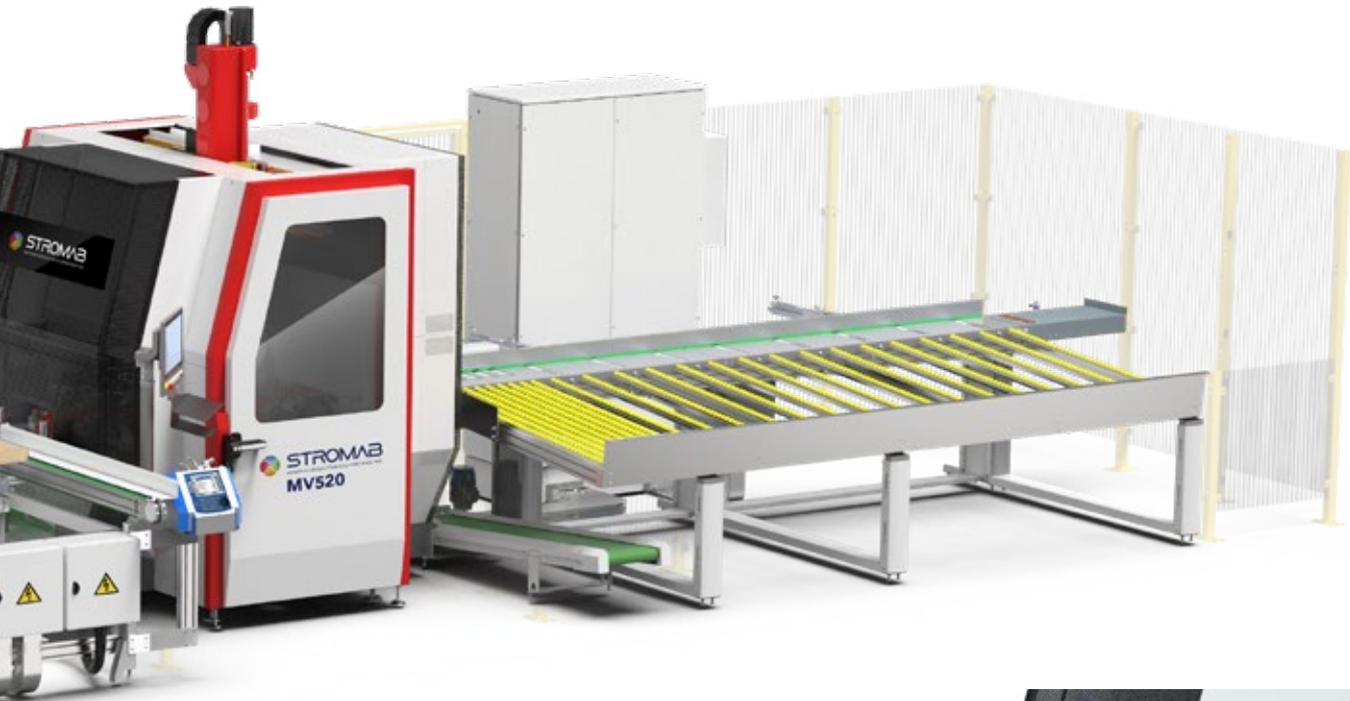
## AUTOMATIC LOADER + CUTTING CENTRE + AUTOMATIC UNLOADER

The chain-type loading system with automatic positioner makes the loading phase flexible and allows for excellent accumulation. The loader is designed to allow it to be lengthened at a later date, where required. The automatic measurement of timber size and length makes the MV520 extremely flexible, and easy to use even for less skilled operators.



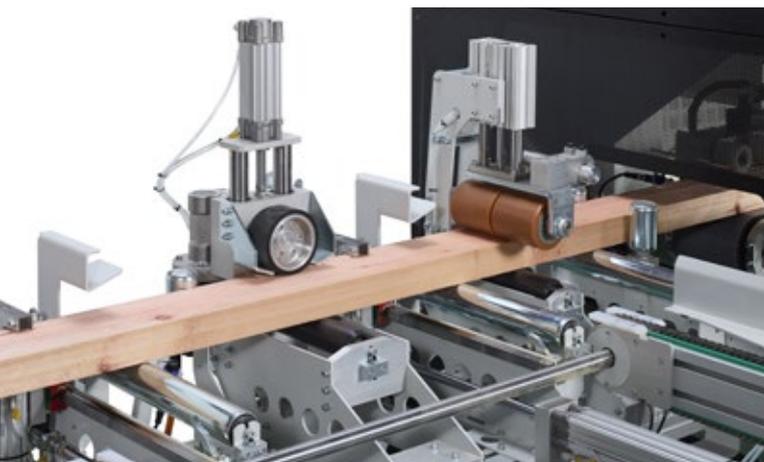
Detail of loading grippers.



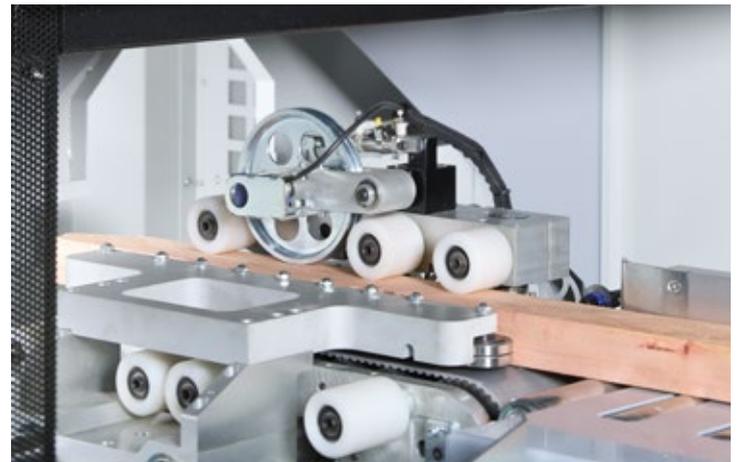


18.5" touchscreen controller.

Detail showing automatic measurement of the loaded timber size.



Infeed belt and measurement.

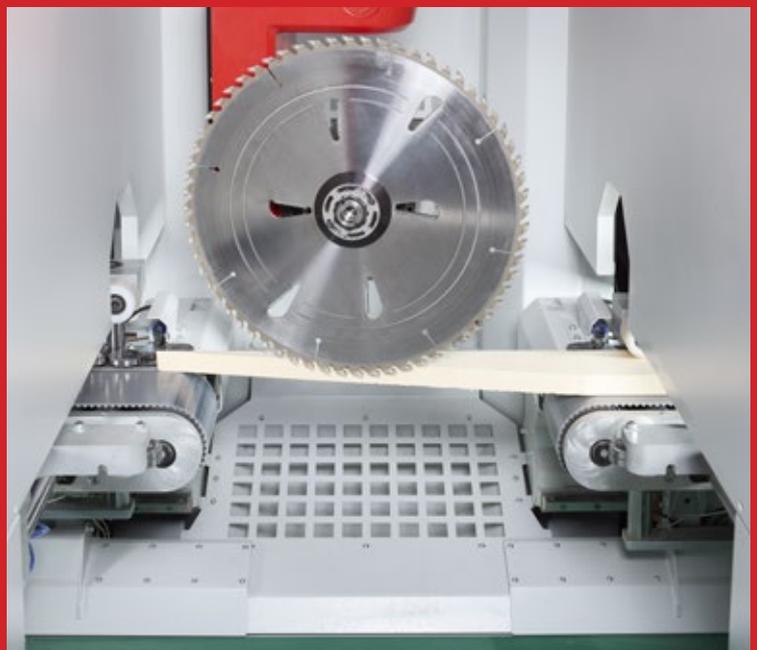
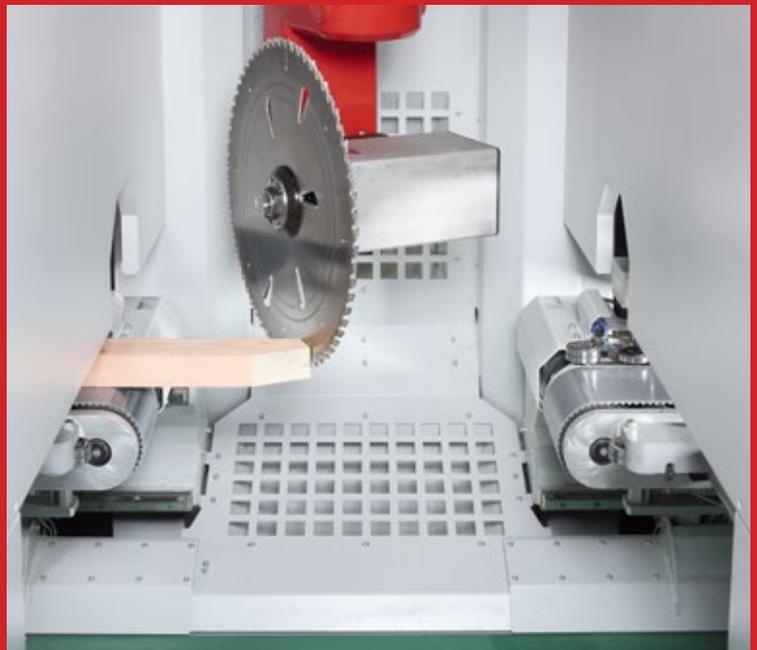
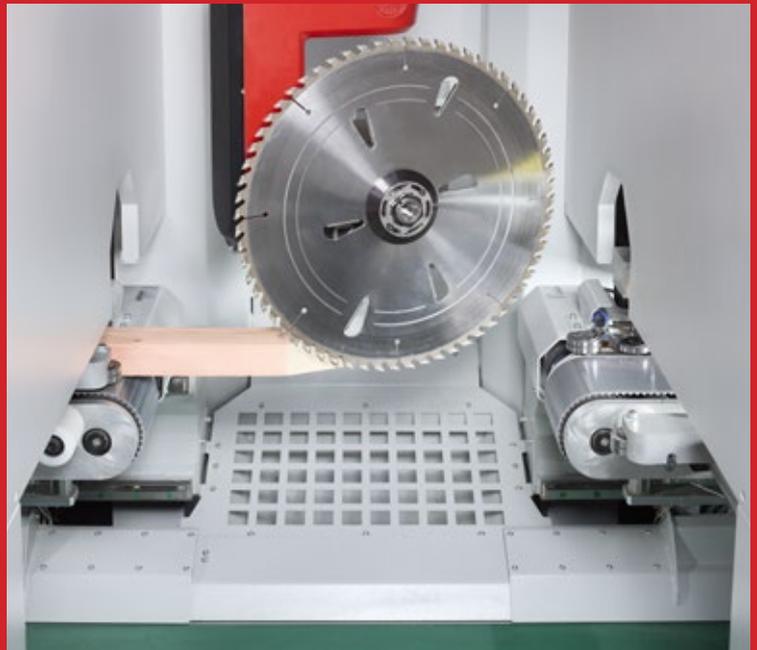
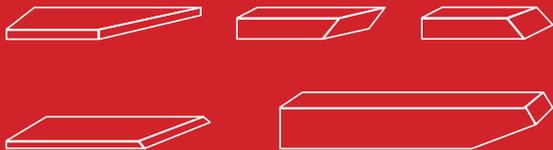




## FIVE-AXIS CUTTING CENTRE

The cutting unit with five controlled axes, combined with the belt feed system, makes the MV520 versatile and precise, while guaranteeing a high level of performance and combinations for cuts.

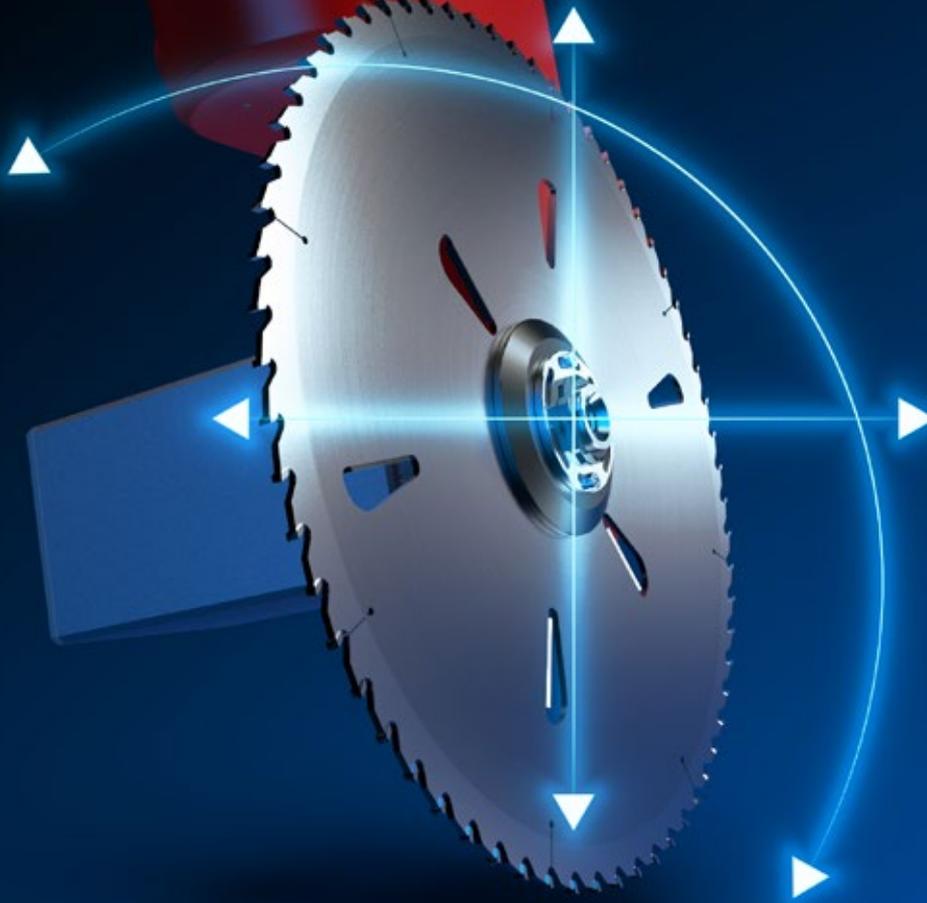
With 360° mitre rotation and +/- 90° bevel tilting, any simple or compound cut is possible.



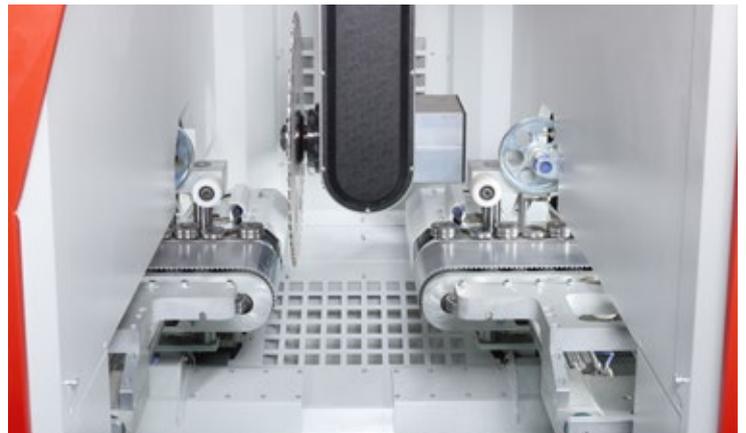
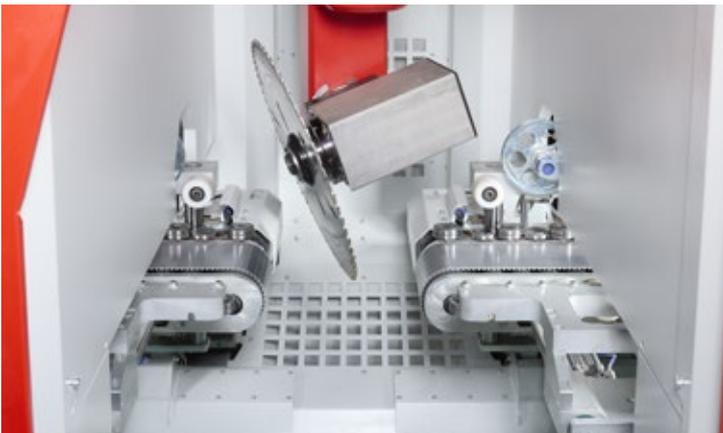


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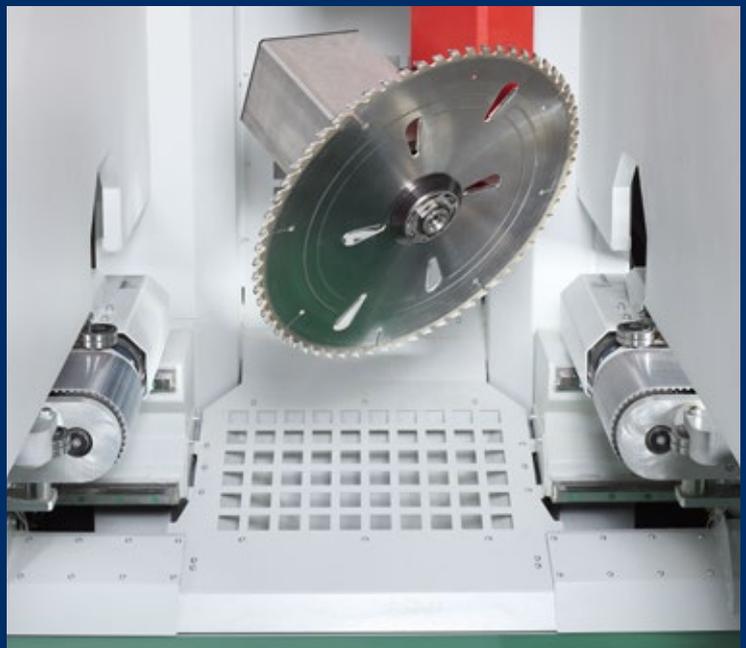
**FIVE-AXIS  
CUTTING  
CENTRE**



## PATENTED FEED BELTS

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The pieces of timber are fed by two clamping belts which, as well as moving the workpieces in the two different directions, can also move independently to achieve the best possible processing conditions. They can move towards or away from the blade in order to achieve the best possible cutting conditions.

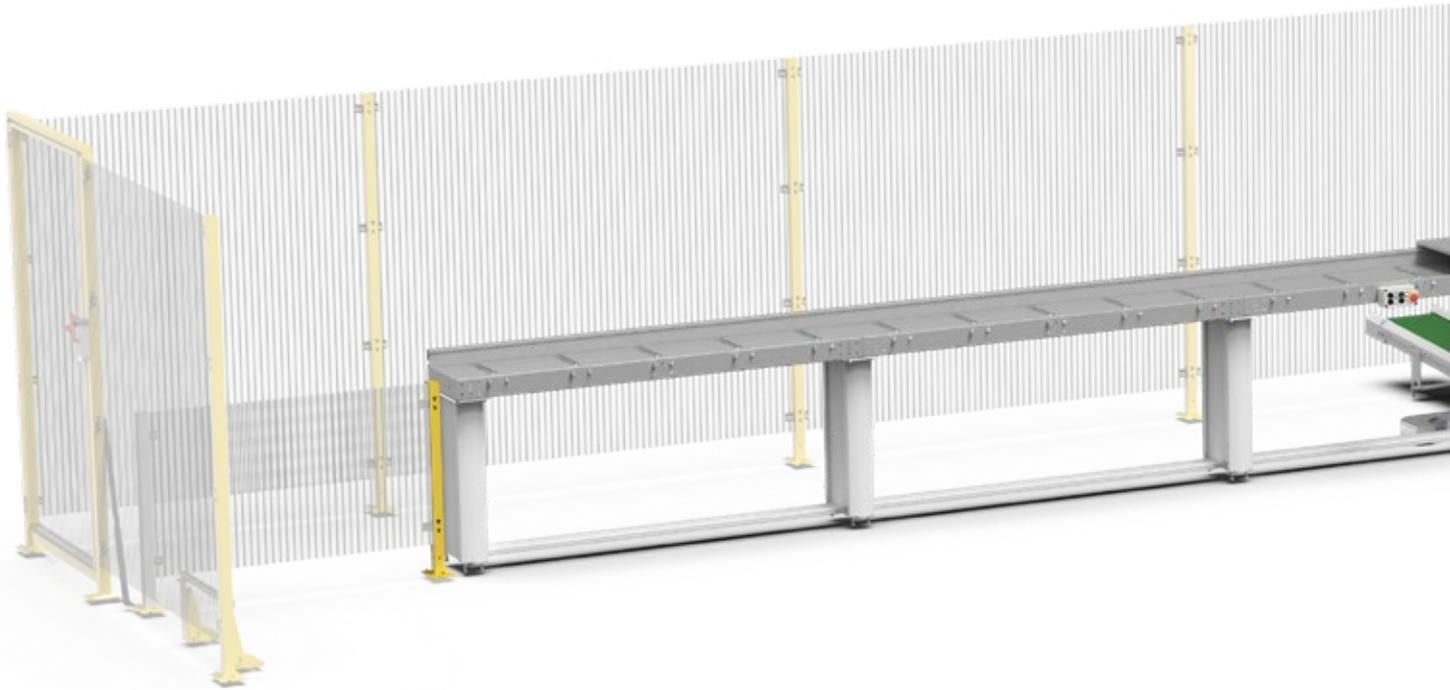


# MV520 - MANUAL

## IDLE ROLLER TABLE + CUTTING CENTRE + AUTOMATIC UNLOADER

As an alternative to the automatic loader, the MV520 is also available with a manual loading system.

An idle roller table of appropriate length allows one piece of timber at a time to be positioned inside the MV520, while maintaining all the cutting specifications of the automatic machine (workpiece width/thickness measurement); automatic length measurement is not available, however, and this will have to be entered manually.



The MV520 is equipped with a suspended 18.5" touchscreen control panel with keyboard and mouse holder for control of the HMI.

The hardware and software architecture is based on a Beckhoff platform. The easy-to-use and intuitive graphical interface, with 3D representation of the workpiece, simplifies use of the machine.

Thanks to the automatic import of .BTL files, the MV520 integrates perfectly into the company network, and cut lists can be easily sent remotely from the scheduling department.



Detail of cutting-centre casing.





## INTEGRATED AUTOMATIC UNLOADER

The unloading system features a table with partially driven rollers, a full-length ejection bar, and a front accumulation area for unloading of all processed pieces.





## SHORT PIECES AND OFFCUTS OUTFEED BELTS (optional)

The machine is equipped with a transverse belt and two longitudinal belts for unloading of smaller pieces, as well as offcuts. The offcuts are taken to the rear of the machine, while smaller good pieces are brought to the front of the machine for recovery and reuse.



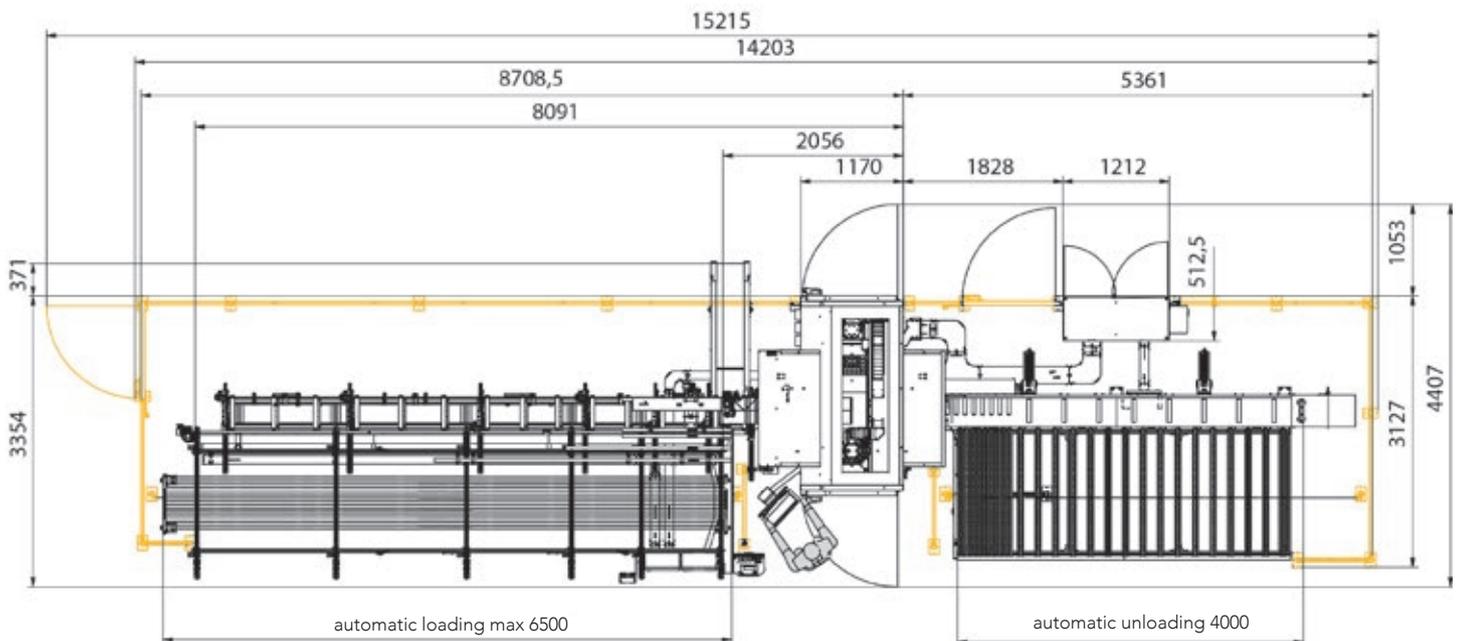
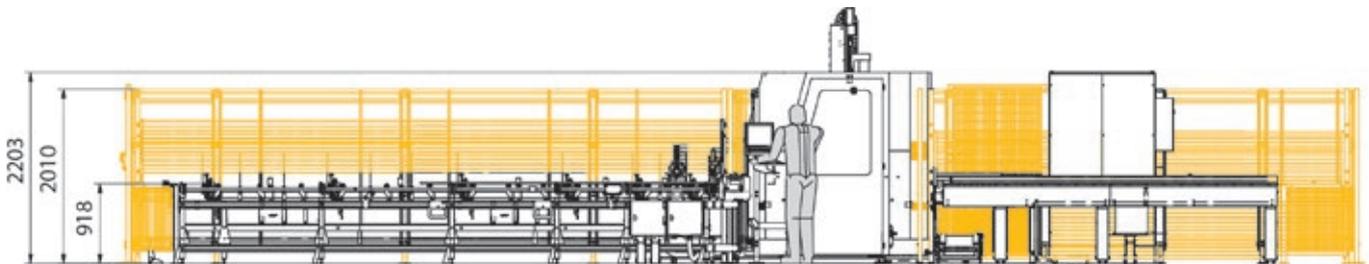


## TECHNICAL CHARACTERISTICS

Chains gear motor power	kW	0.25
Maximum chain speed	m/min	12
Workpiece length	mm	1250 - 6500
Workpiece width	mm	40 - 300
Workpiece thickness	mm	20 - 80
Loading area on chains	mm	1600

## CUTTING UNIT

Blade diameter	mm	520
Blade motor power	kW	3 with Inverter
Blade speed	RPM	3000
X-axis maximum speed	m/min	140
Intake vents	no. / mm	3 x Ø 120





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## THE **VALUE** OF A FAMILY-OWNED COMPANY

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Stromab has stood for reliability since 1965.

And we believe that this word best expresses the philosophy behind our products over our more than 40 years in business. The awareness that no investment can offer greater advantages than customer satisfaction leads us to constantly devote new resources for ongoing research into technology, development and human resources. A constant growth trend is the natural result of a company policy based on the value of success in full compliance with environmental requirements. With a 5000 m<sup>2</sup>+ plant, 40 employees and a constantly updated line of products, Stromab has made a significant name for itself as one of the most dynamic companies in the woodworking machinery sector.

The technical data are not binding and may be subject to change for the purposes of technical improvement.



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