

HUNDEGGER

Innovationen für den Holzbau



Hundegger SPEED-Cut

For Precision processing of Timber components

Cutting machine

hundegger.com

Hundegger SPEED-Cut

Precise and flexible timber processing
- high performance 5 axis cutting machine.

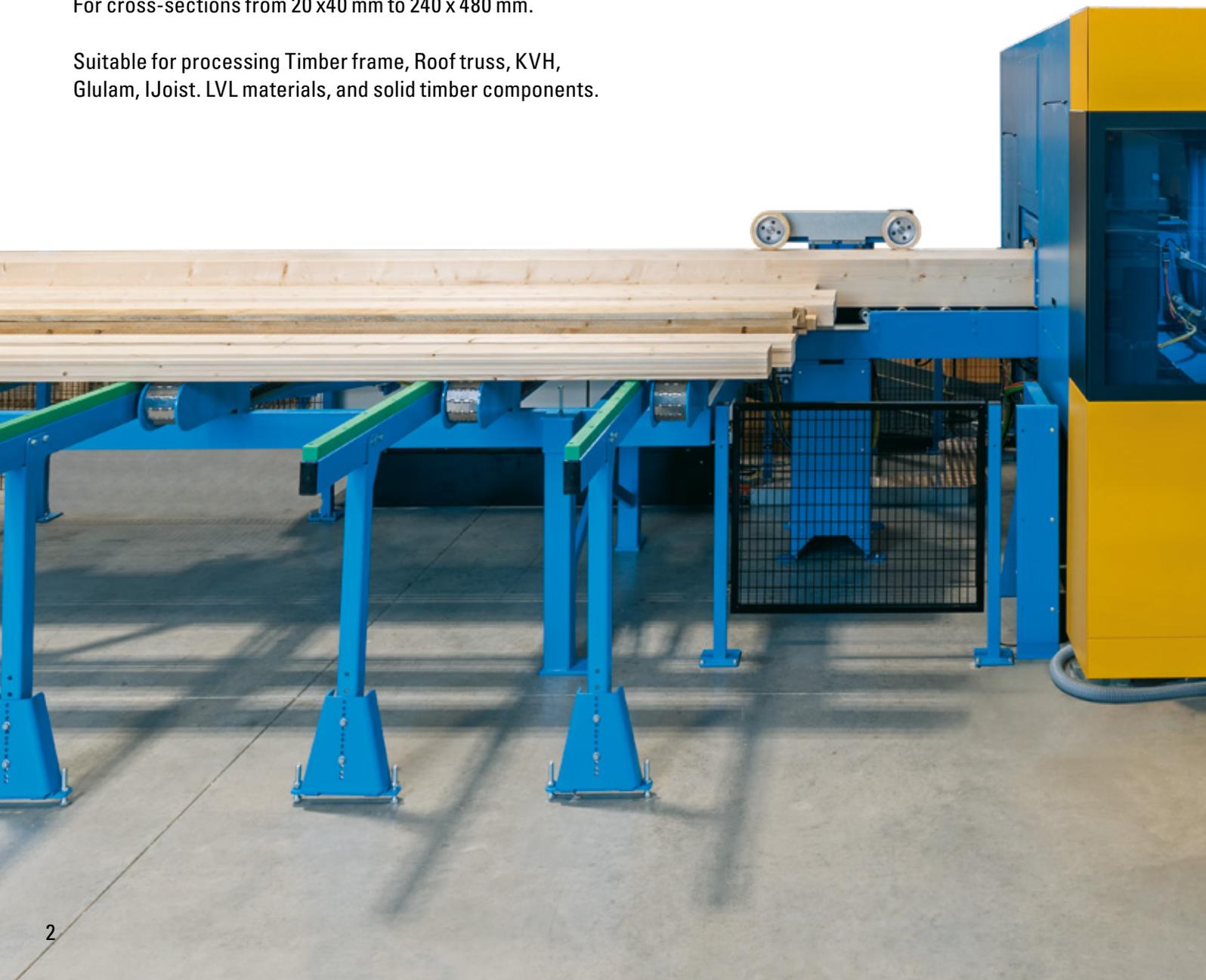
Tasks such as cutting simple timber elements quickly and precisely – without measurement, without marking, without setup – and, optionally, more extensive milling and drilling operations: this is exactly what the SPEED-Cut has been developed for.

The SPEED-Cut operates at a previously unmatched speed. The heart of the machine is the flexible saw unit which can make cuts at any angle and inclination.

For cross-sections from 20 x40 mm to 240 x 480 mm.

Suitable for processing Timber frame, Roof truss, KVH, Glulam, IJoist, LVL materials, and solid timber components.

Whether it is one-man company or a larger producer: The SPEED-Cut is ideal for all timber construction companies. Every machine is specified to the individual needs of the customer – from a simple 5 axis cutting machine to a large CNC processing center.



Flexible thanks to a modular system

The SPEED-Cut has enormous potential even in its basic configuration level. The saw unit alone can perform a wide variety of different processing operations in addition to simply cutting materials to length. And if you need more: The modular design means that the standard machine can be extended at any time and equipped with additional units. Drilling, milling, slotting, marking, labelling – the SPEED-Cut can do everything and quickly.



The HUNDEGGER-transport system

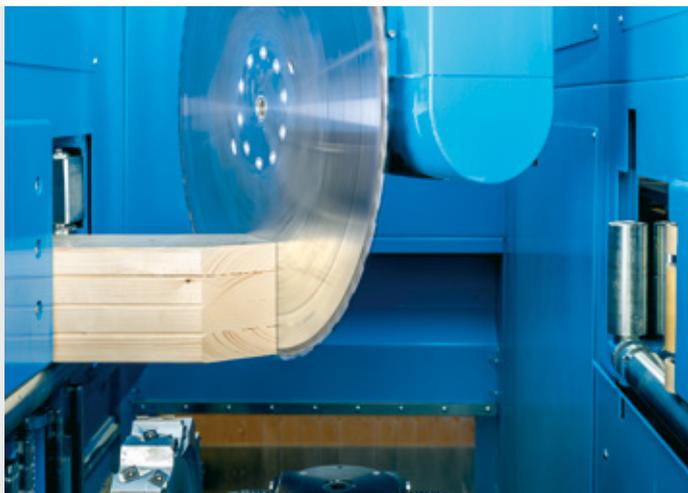
Stacking timber = super-fast production.

Two independently operating conveyor systems position the workpieces and ensure fast and precise timber handling. The advantage is a short throughput time without adjustment or retooling.

The SPEED-Cut processes timber cross-sections of 20 x 40 mm to 240 x 480 mm in any timber length. It is also possible to reliably transport and precisely process several stacked workpieces without having to retool.



Smooth in-feed of stacked material.



Simultaneous precision operations for stacked parts.



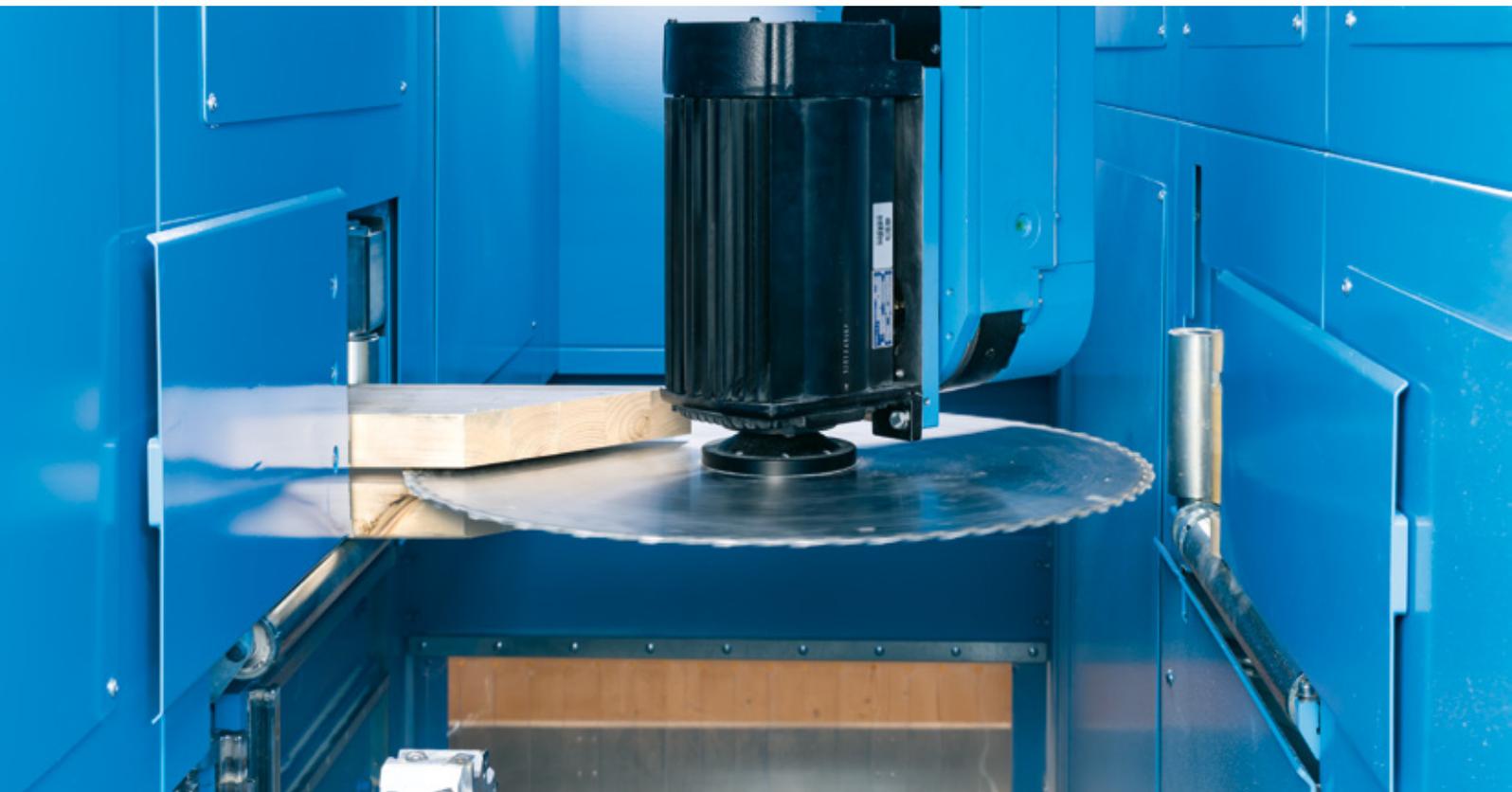
Controlled part transport with the compact gripper wagon.

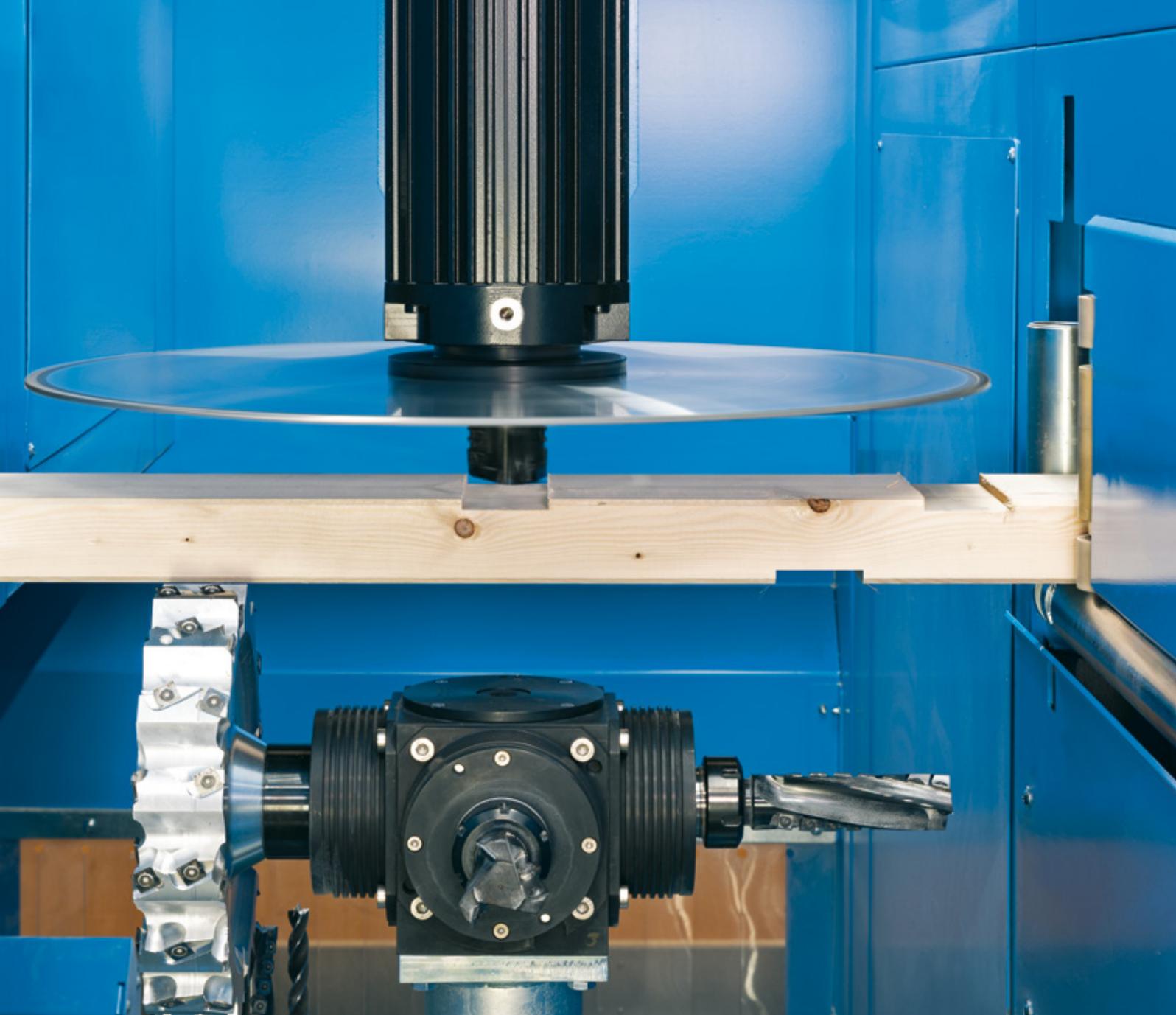
The 5 axis saw unit

Fast cutting with many other processing possibilities.

This powerful 5 axis saw unit is standard equipment of the SPEED-Cut. Whether jack rafter cuts, hex cuts, regenerative cuts or diagonal cuts: The pivoting saw performs all types of saw cuts fully automatically and with millimeter precision – at any angle, at any inclination and in all lengths.

The saw unit with flangeless saw blade can be rotated through 360° and pivoted by 90°. The unit is therefore able to move underneath the supporting side of the workpiece to also allow birdsmouths, eave cuts or stair stringers to be cut.





Longitudinal cuts, hip ridge cuts or recesses are produced with the Ø 720 mm sawblade.

Bevel and or rafter cuts can be produced in any angle or bevel.

Turret mill

The Universal-Tool holder for maximum flexibility.

This is how to turn the SPEED-Cut into a versatile processing center: If required, you can specify the machine with additional units and a selection of accessories.

A universal unit that can be equipped with up to 4 tools. It can be used for many different processing operations: Wichert truss joint or scarf and key joint, roof ridge joint, offsets, birdsmouths, tenons at all positions, concealed recessing, and many others.

Use the turret mill for boring holes, making tenons or machining mortises on the end of the timber components.

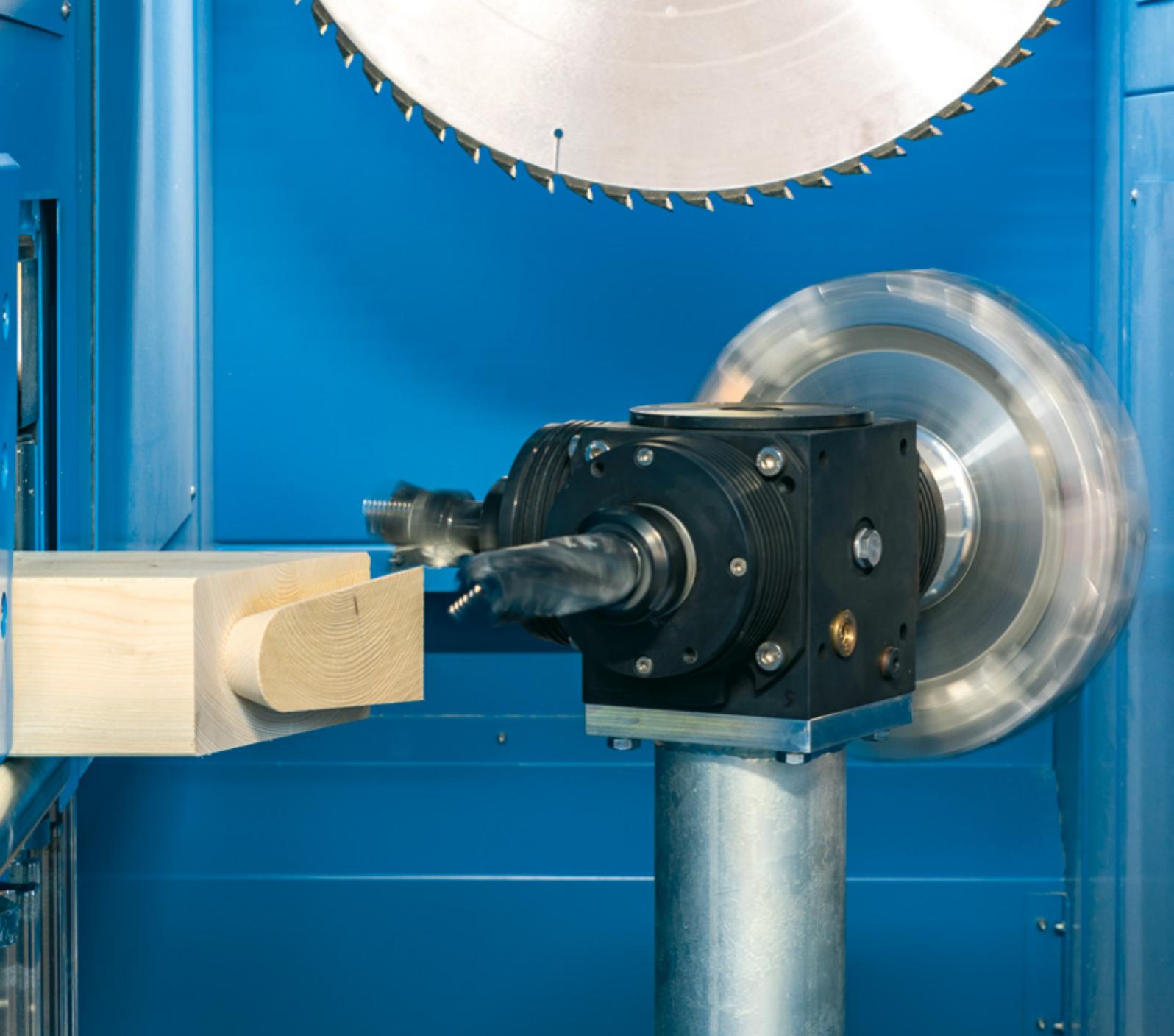
Efficient and extremely precise milling: Longitudinal milling, eaves formwork notches and longitudinal rebates.



Recesses are possible on all 6 surfaces.



Notches are milled efficiently and splinter free.



With the tools mounted on the turret mill, most common carpentry connection's such as recessing's, scarf joints, mortise and tenon connections and many more can be produced with high accuracy.

Even dovetail mortise and tenon operations can be processed fast and efficiently with the right tool equipped.

Unlimited possibilities

Tool solutions for a wide range of applications.



Vertical end mill

This vertical milling unit can be equipped with various milling tools – for milling rebates, recesses, and freely definable profiles.



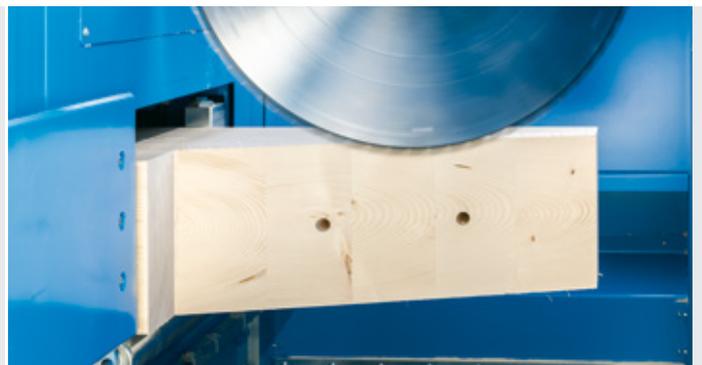
Marking system

Automatic labelling of elements immediately after processing so that they can be clearly identified: Multiline text can be applied using the inkjet system.



Vertical drilling unit

The vertical drilling unit is used to make through holes and blind holes.



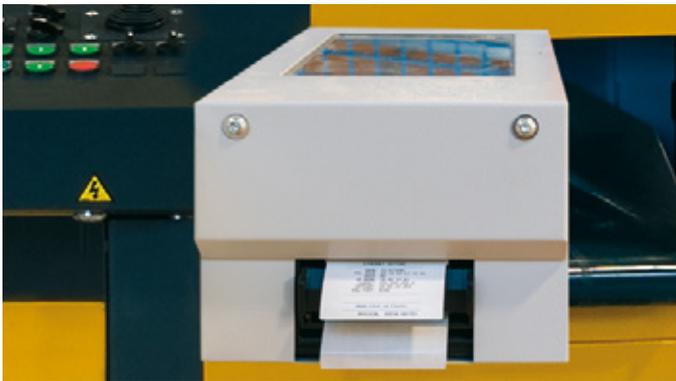
Horizontal drilling unit

Through holes or blind holes.



Additional screen

The additional screen displays all relevant information graphically at the machine's outfeed. This ensures reliable and error-free identification of the finished parts helping the sorting and stacking process.



Label printer

For labelling parts with all the necessary information. The data can also be imported from joinery and CAD programs.



Marking and labelling systems

Various marking systems are available to produce marking lines for installation position's.



Collection conveyor for small parts

This allows even the shortest parts to be reliably separated from offcuts and transported out of the machine. This means more yield from otherwise waste wood.

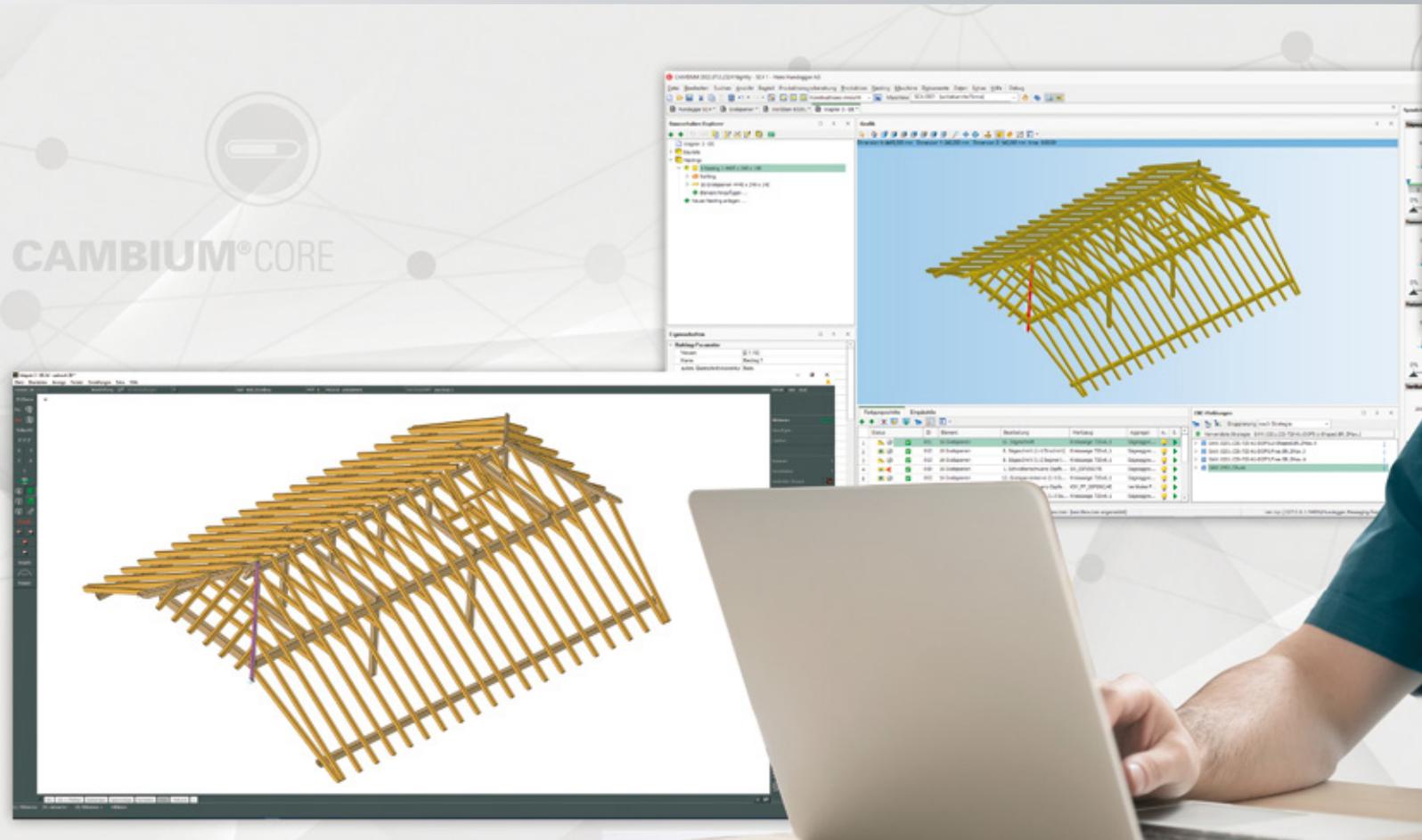


Operating on specialized formats

TJI-operations with high performance end mill tool. This tool is installed on vertical end mill aggregate.

The highly efficient Hundegger production platform

From CAD to the finished component with CAMBIUM® CORE.



With CAMBIUM® CORE, we provide you with a highly efficient package with nine powerful modules for controlling your Hundegger machine.

Instead of having to commission complex connections with external software, the CAMBIUM® CORE modules developed by us control your entire workflow to perfection. A single software licence covers both the machine and any computer in your company used for job preparation.

You can relax – your production is under control.



CAMBIUM® CORE

CAMBIUM® BVX STANDARD

CAMBIUM® DIGITAL TWIN STANDARD

CAMBIUM® CAM STANDARD

CAMBIUM® CONTROL STANDARD

CAMBIUM® NESTING 1D STANDARD

CAMBIUM® NESTING 2D STANDARD

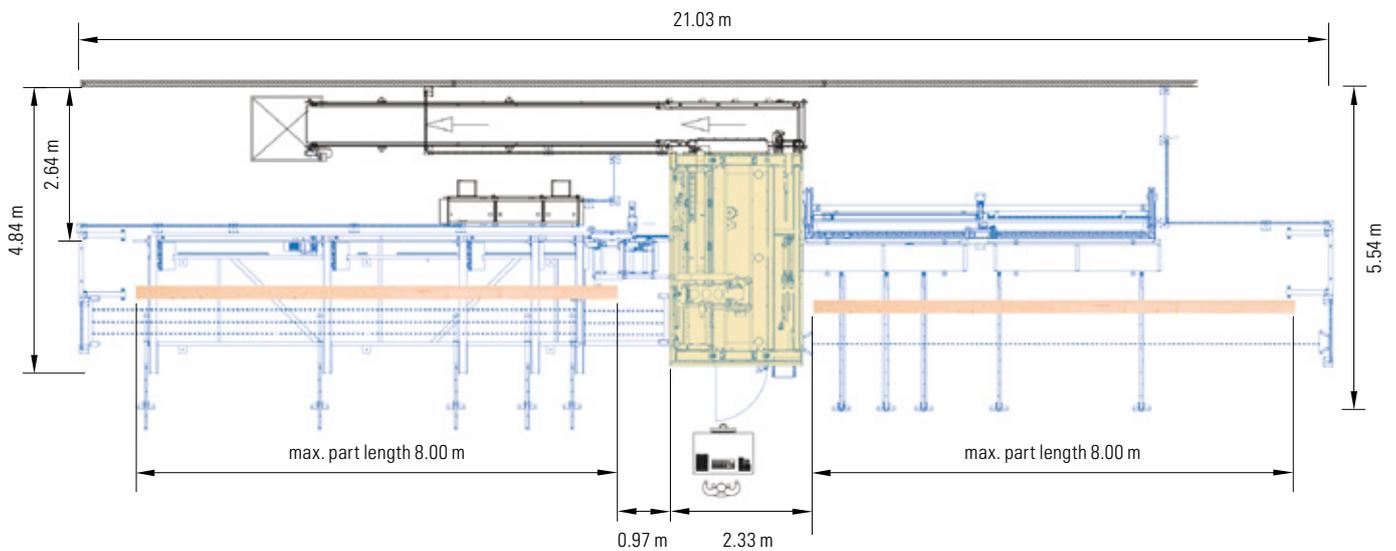
CAMBIUM® REPORTING STANDARD

CAMBIUM® MULTIPROCESSING STANDARD

CAMBIUM® IPC STANDARD

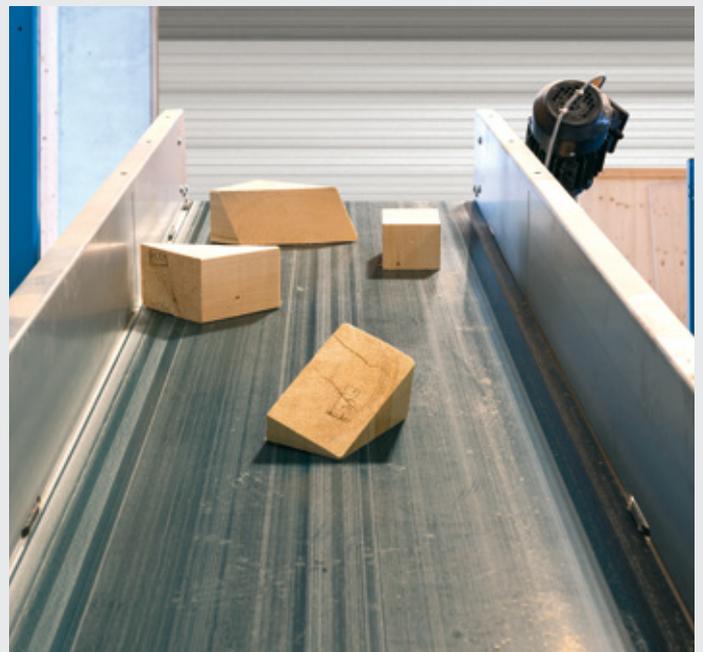
A typical layout examples

Showing an integrated compact production cell.



Disposal of chips and waste wood

Chips and waste wood fall down into the disposal channel. From there, they are transported effectively out of the processing zone by means of a transport conveyor belt integrated in the machine outfeed.







How you benefit:

- Service hotline included in machine price
- Software updates included in machine price
- Free retraining of machine operators and planning engineers at the Hundegger training centre
- Customer service available around the clock
- Automatic data transfer from all commonly used CAD systems without post processing and additional programming
- High value stability and machine resale value
- Experience from more than 6.000 machines installed worldwide

Hans Hundegger AG

Kemptener Straße 1
87749 Hawangen
GERMANY

Phone: + 49 (0) 8332 9233 0
Fax: + 49 (0) 8332 9233 9900

info.de@hundegger.com

