THE ADDED BONUS FOR YOUR SUCCESS

ALL-IN-ONE SOLUTIONS!
MACHINERY AND EQUIPMENT FOR

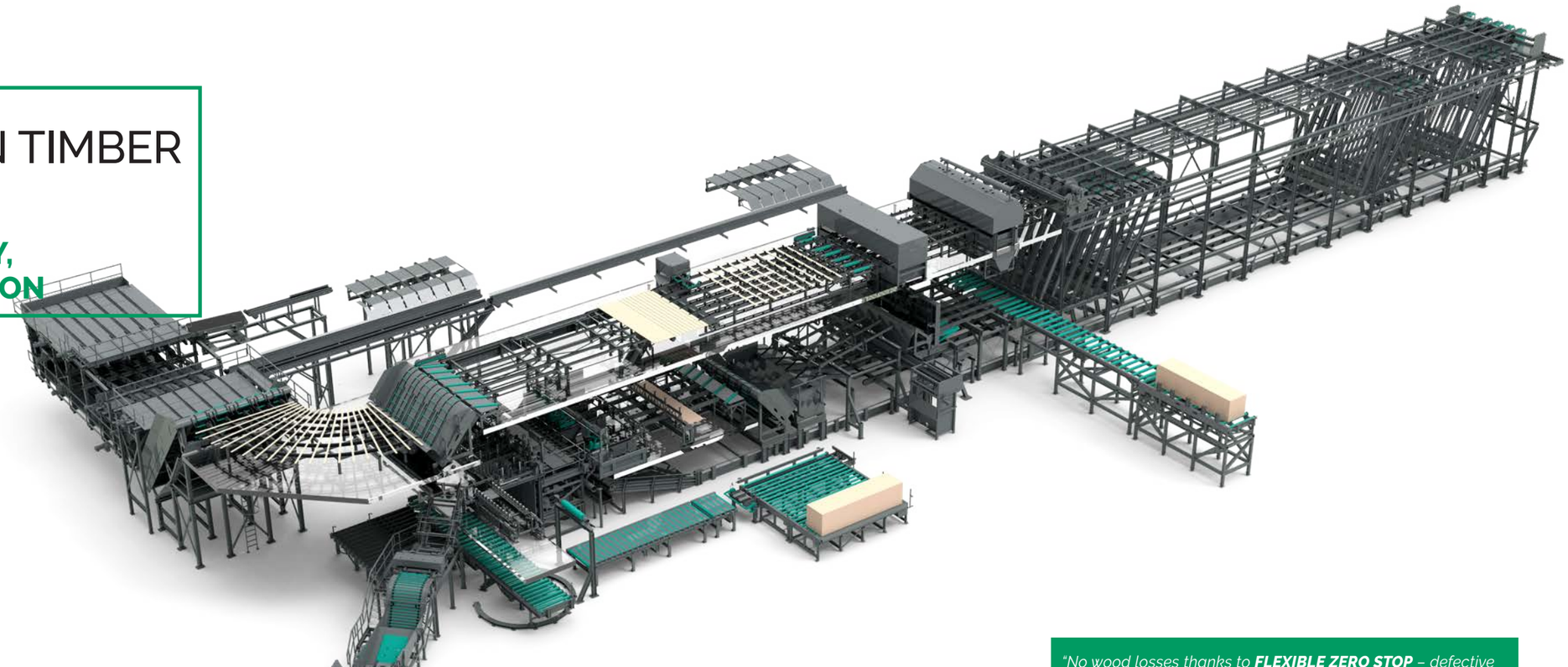
EFFICIENT **SORTING**

KALLFASS
maschinen plus automation

SORTING THE SAWN TIMBER

ENHANCING TRANSPARENCY, QUALITY AND UTILISATION

We have the solution for a fully automated sorting system that allows to be flexible and switch between different product orders, with little personnel effort and low retooling times. Moreover, this system offers the additional option of integrating sawn timber bundles from external infeeds.



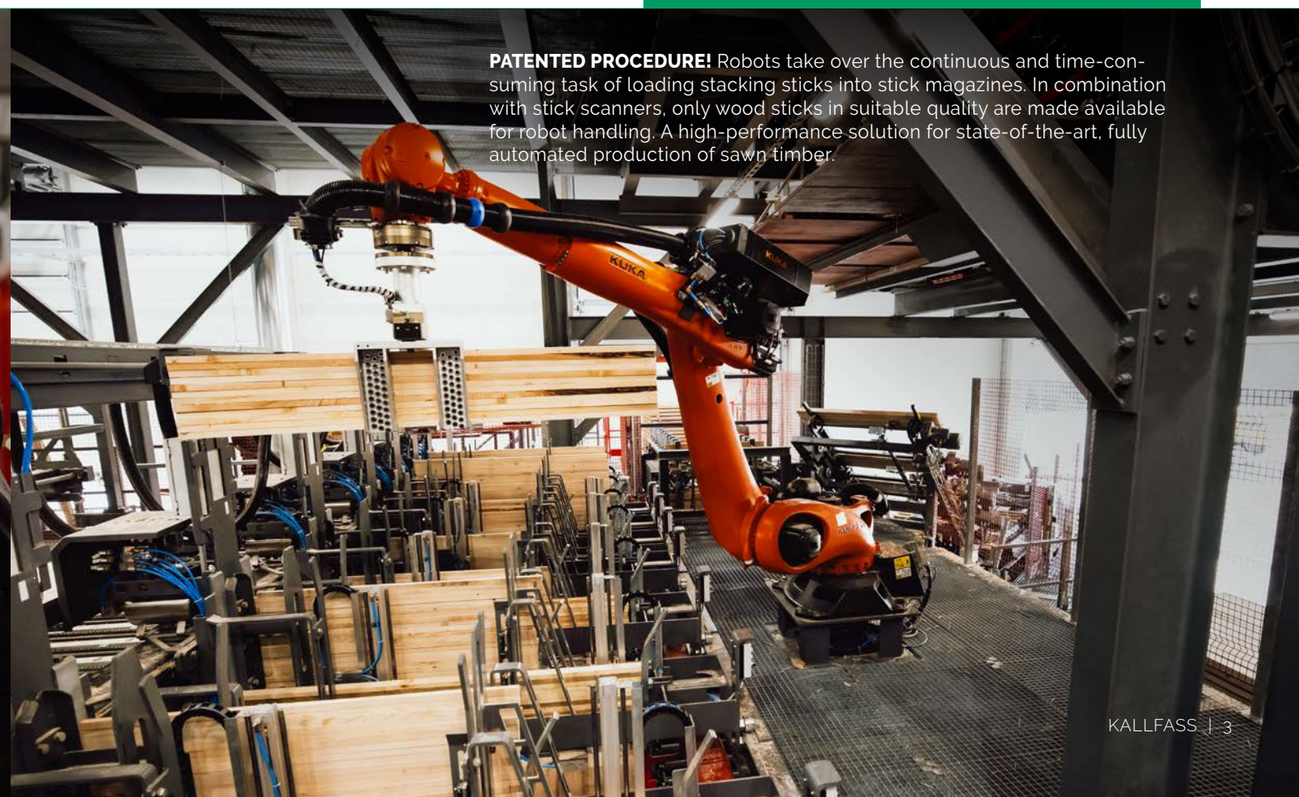
*"No wood losses thanks to **FLEXIBLE ZERO STOP** – defective areas, such as knotholes or waney edges, are cut precisely to the point in chop and trimmer saws, without adhering to predefined raster lengths".*

EVERYTHING UNDER CONTROL

The sorting process is based on defined quality parameters that have previously been stored as grades in a database. An upstream scanner detects existing waney edges and passes the appropriate trimming information directly to the trimmer saw. As an option, the scanner can also be used to measure the length, width, thickness, and quality of the sawn timber. A visualisation interface clearly displays all processes in the sorting system. It not only provides information on filling levels and occupancy status of the individual areas at a glance but also simplifies the management of system parameters.

PRODUCT CHANGE WHILST THE PRODUCTION IS IN PROGRESS

Each sawn timber dimension and type receives a product name (an article number upon request). This information is stored in the sorting programme, which transfers all necessary setting parameters to the next process. EXAMPLE: The multiple cross-cut saw recognises by the product name which material is to be fed in next. Subsequently, the system adjusts its saw aggregates automatically according to the cutting pattern.



PATENTED PROCEDURE! Robots take over the continuous and time-consuming task of loading stacking sticks into stick magazines. In combination with stick scanners, only wood sticks in suitable quality are made available for robot handling. A high-performance solution for state-of-the-art, fully automated production of sawn timber.

HORIZONTAL AND GENTLE TO THE MATERIAL
LEVEL SORTING

Buffer layer sorters loosely sort batch material on top of each other into layers. The material must be separated before filling and after emptying the system.

Film layer sorters are ideal for graded planed products, as each board film is gently and individually sorted into stacked layers. This type of sorting is very space-consuming; however, it makes subsequent separation unnecessary and the layers can be stacked at maximum capacity.

VERTICAL AND SPACE SAVING **BOX SORTING**

Vertical box sorters need less space and can accommodate more product boxes in the same area. These systems are most often used for side products with smaller dimensions that do not tilt during emptying.

Inclined box sorting is recommended for products with small and medium-sized material dimensions. These systems can be filled at high cycle rates and ensure reliable emptying.

MACHINE DATA
BOXES AND LAYER SORTING

Part lengths:	1,800 mm – 6,300 mm
Part width:	70 mm – 252 mm
Part thickness:	15 mm – 100 mm
Filling cycle time:	120 pieces/min. (inclined boxes: 160 pieces/min.)