



THE ADDED
BONUS
FOR YOUR
SUCCESS

ALL-IN-ONE SOLUTIONS!
MACHINERY AND EQUIPMENT
FOR

EFFICIENT
SORTING

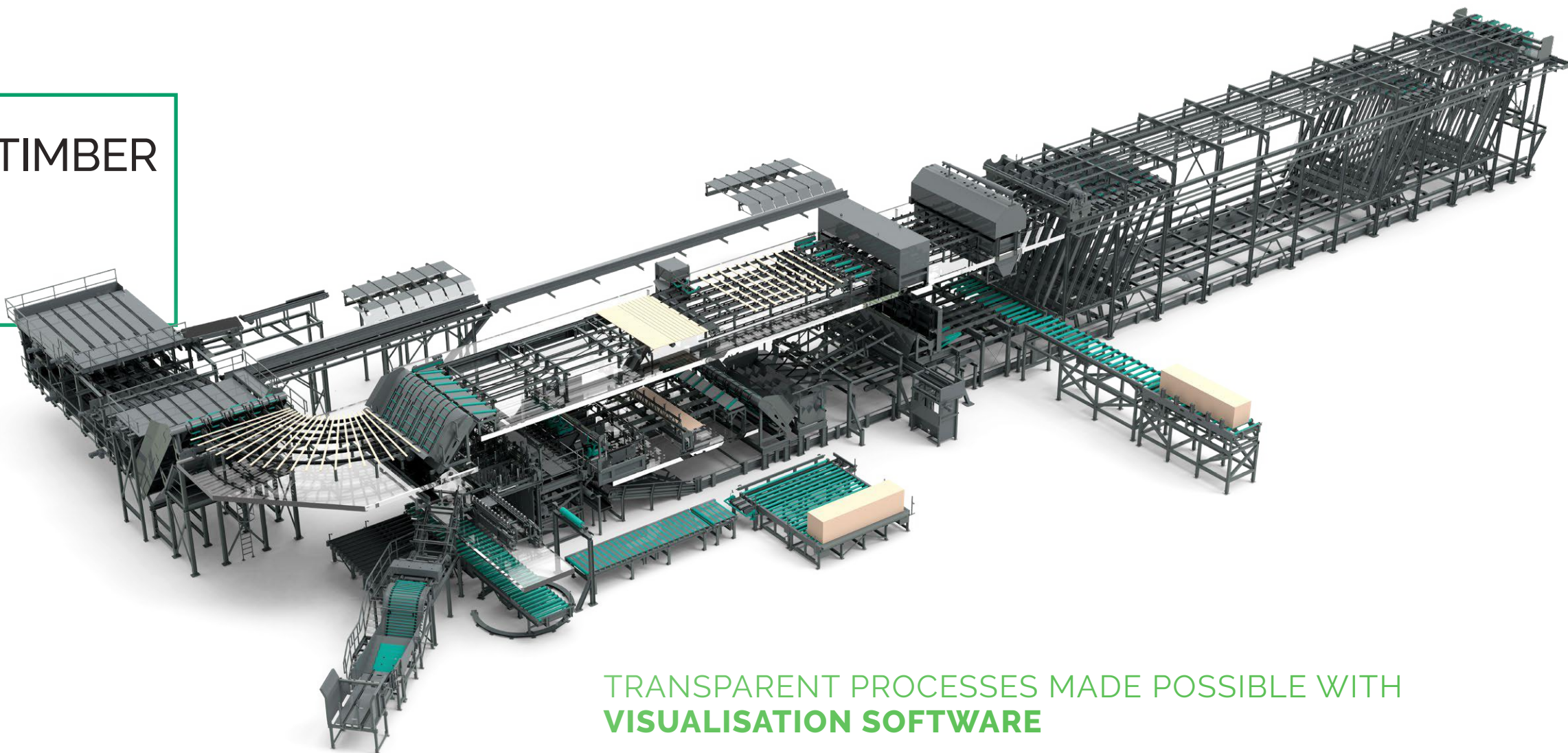


KALLFASS
*maschinen plus
automation*

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.

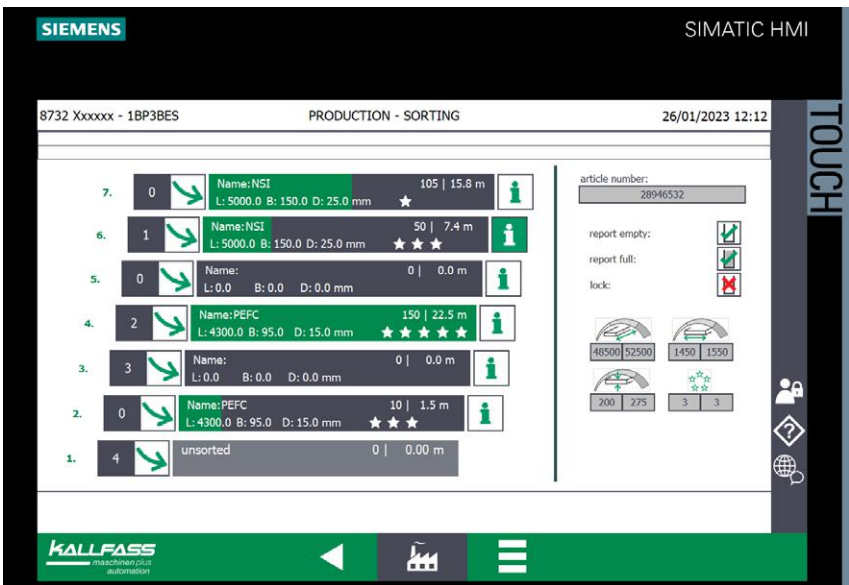


TRANSPARENT PROCESSES MADE POSSIBLE WITH VISUALISATION SOFTWARE

Sorting facilities can temporarily store a wide range of different timber varieties. Therefore, an excellent overview of the occupancy status, filling level, and available wood dimension is essential and decides the economic efficiency of the production.

The visualisation software used by KALLFASS ensures transparency in the sorting system and simplifies the management of the system's parameters. For each sawn timber dimension and type, a product name (or an item number as an option) is saved in the sorting programme. The setting parameters stored as a suffix of the product name are automatically transferred to subsequent processes, such as multiple cutting to length or stacking. For example, the multiple cross-cut saw recognises which cut product must be fed next and adjusts the sawing units independently according to the required cutting pattern, all while production is running.

Great importance was placed on the user-friendliness of the software programme. An easy-to-understand menu structure with logical symbols and stored help texts makes intuitive navigation in the menu possible.



Fill-level display of a level sorting system with seven layers

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 wane 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. There are no wood losses thanks to flexible zero stop; defective areas, such as knotholes or wane edges, are cut precisely to the point in crosscut and trimmer saws without adhering to pre-defined raster lengths.

HORIZONTAL AND GENTLE
TO THE MATERIAL
LEVEL SORTING



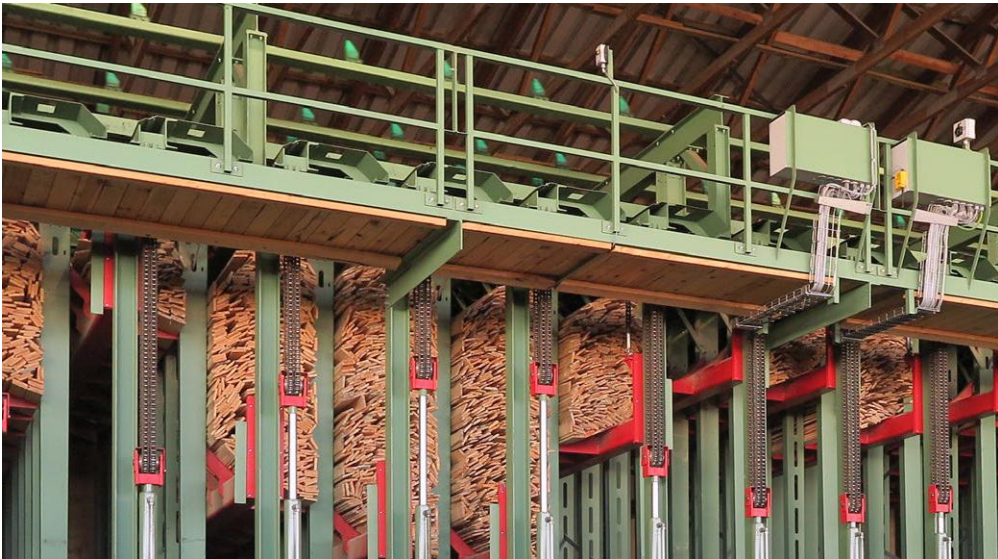
Buffer layer sorters loosely sort batch material on top of each other into layers. The material must be separated before filling and after emptying the system.

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

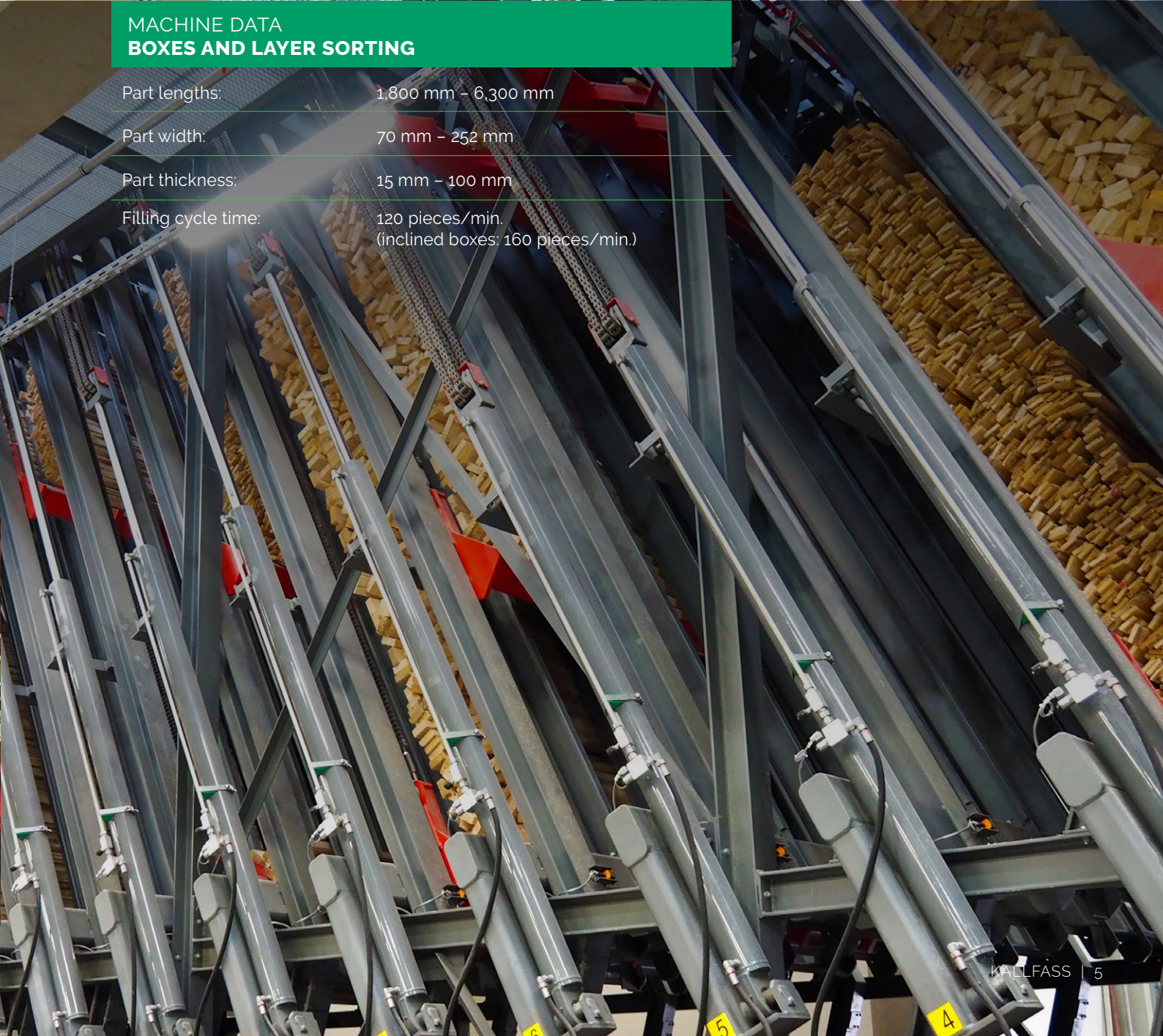
Vertical box sorters need less space and can accommodate more product boxes in the same area. These systems are most often used for side products with smaller dimensions that do not tilt during emptying.

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.)





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