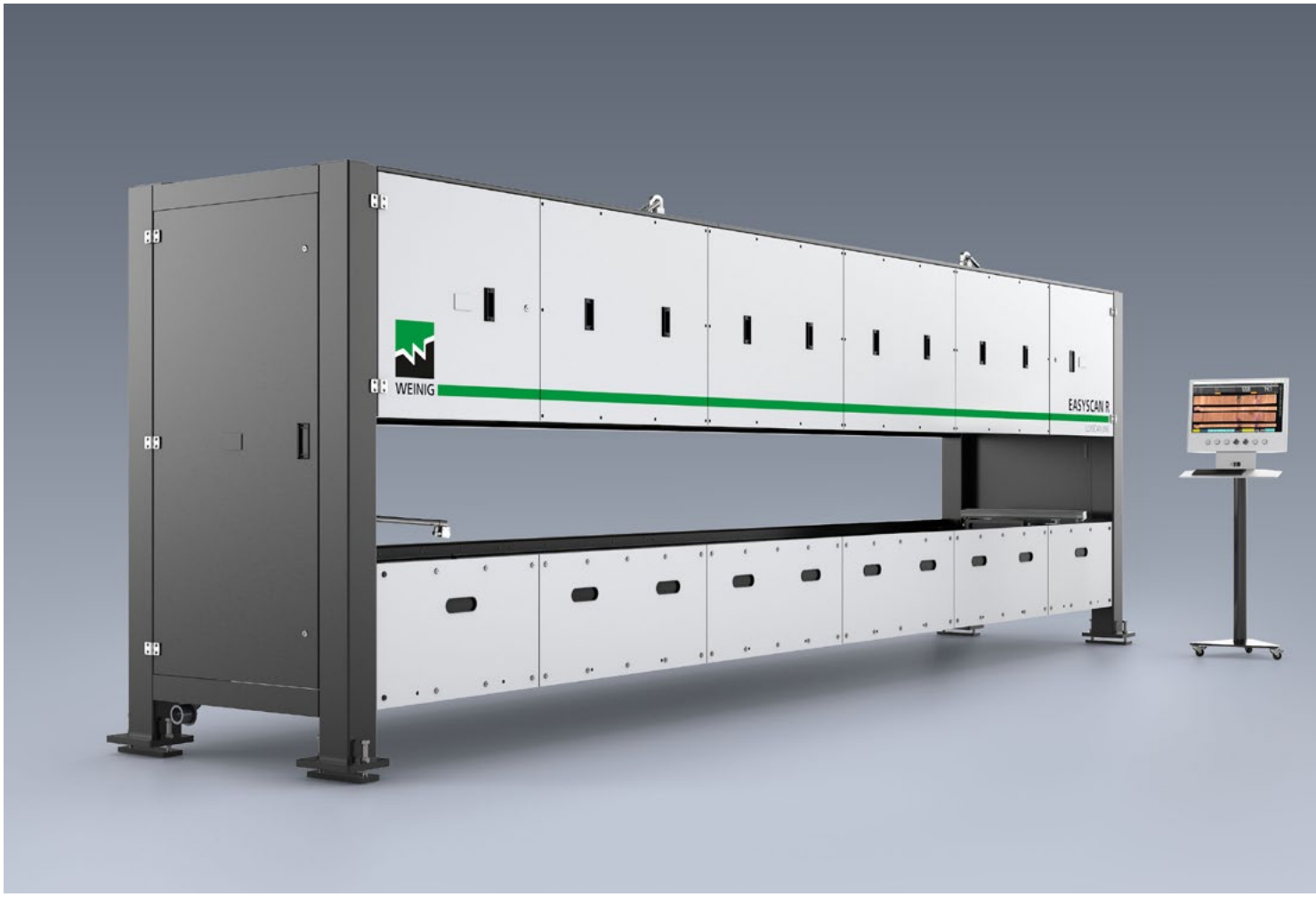
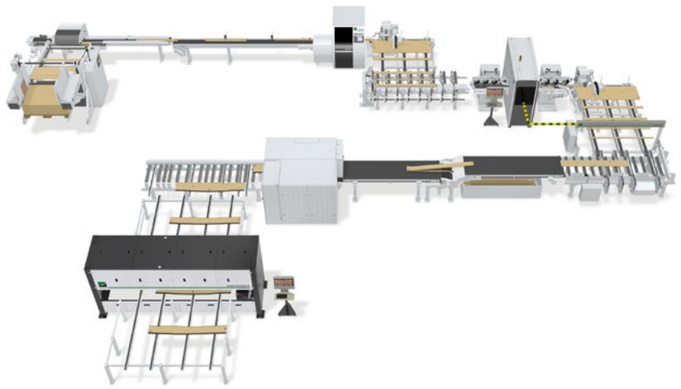
Innovative optimization scanner for ripping

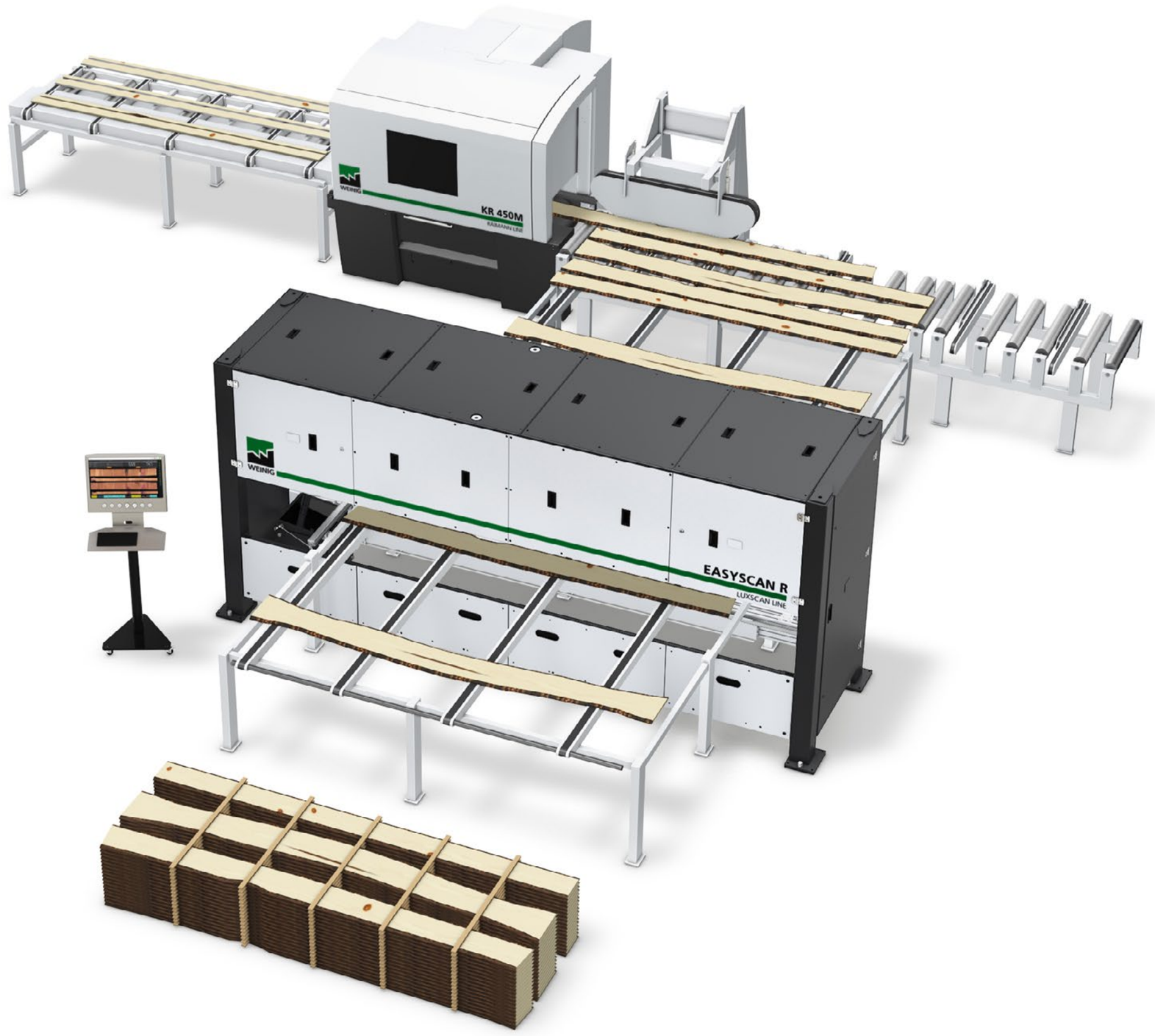


WEINIG

Scanning a new dimension

The Easyscan RT brings the next generation in scanning for ripping. With the revolutionary concept of moveable cameras it distances itself from the competition. Compared to traditional transversal scanners the number of sensors is reduced to a minimum, and with it also the investment costs. With the new scanner design the mechanization can be kept simple and therefore economical.
The boards are moved with a cross conveyour into the scanner, stopped and scanned. For this the cameras move along the length of the board. With this innovative system the mechanisation and the necessary floor space can be reduced significantly. Compared to traditional lengthwise scanners this can provide a substantial saving on both new and upgrade projects.
Existing optimising lines with and without shape measurement can be upgraded with the EasyScan RT quickly and in a cost effective way as the concept often allows use of the existing mechanisation.

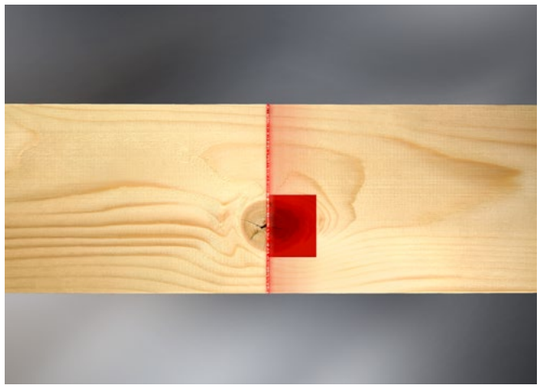


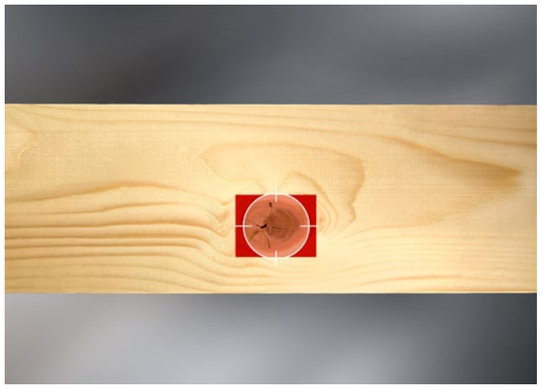


Optimizing - the one, two, three

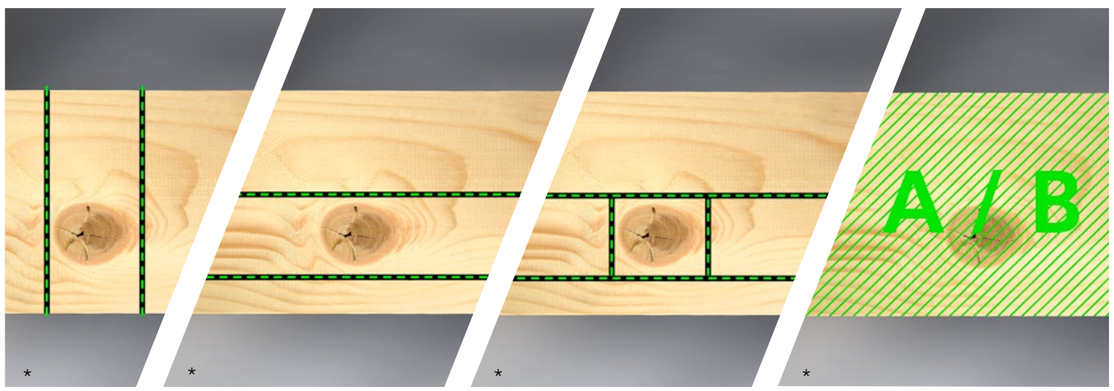
Step 1. LuxscanLine scanners use multiple sensor technology such as laser cameras, colour modules*. Suitable for many applications your WEINIG expert will advise on the appropriate scanner based on the wood species, surface quality and required performance. Our goal is to achieve the best possible information quality for each customers' application.

Step 2. In the next step, image processing, the highly developed OptiCore software takes over. It can see and identify different defects as well as colour variations on the board. Quality data from the multiple sensors allows for optimal data processing and defect identification.





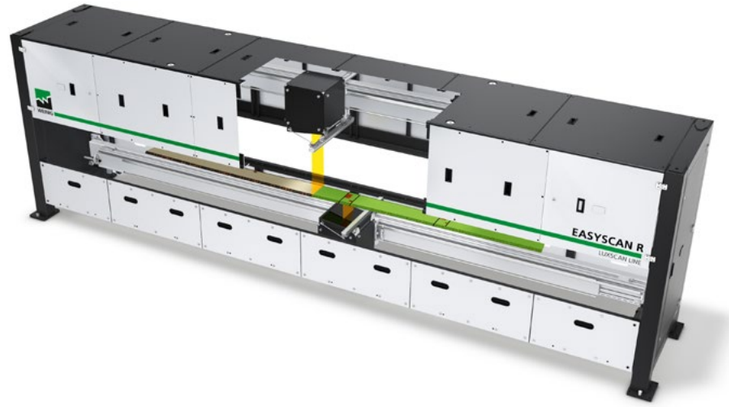
Step 3. The optimization from the powerful OptiCore software provides the best solution for cross-cutting, ripping* or sorting. It takes into account various customer requirements and quality demands. Based on the exact characteristics identified during image processing, the board is optimized according to customer requirements. There are unlimited possibilities in the definition of products and qualities. By dividing the products into diverse zones, complicated qualities can also be easily dealt with. Therefore all kind of end products can be produced.



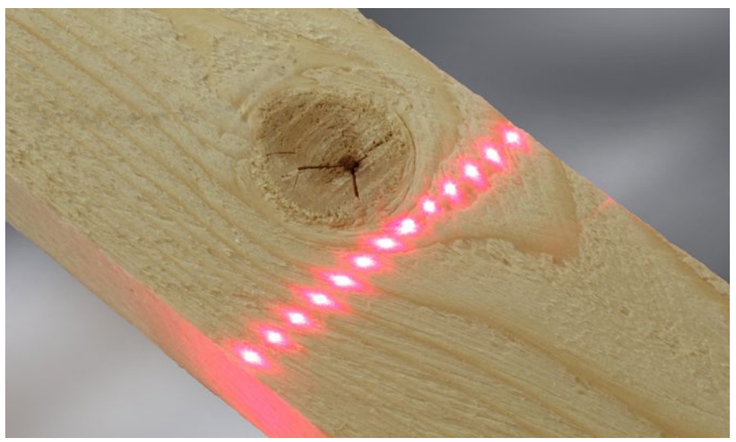
* not available in all scanner models

The sensors: Key to success

All our systems are fitted with laser cameras as standard. Additional color modules are available. With the detection capabilities of both combined the best results are guaranteed. The established concept of moveable cameras ensures a much higher resolution than traditional transversal scanners. Continuous development in these industrial sensors ensures performance is continually improving. Using this technology it is possible to identify defects such as knots, colorations, etc. The improved laser system also allows detection of 3D surface defects such as holes, wane and edge defects.

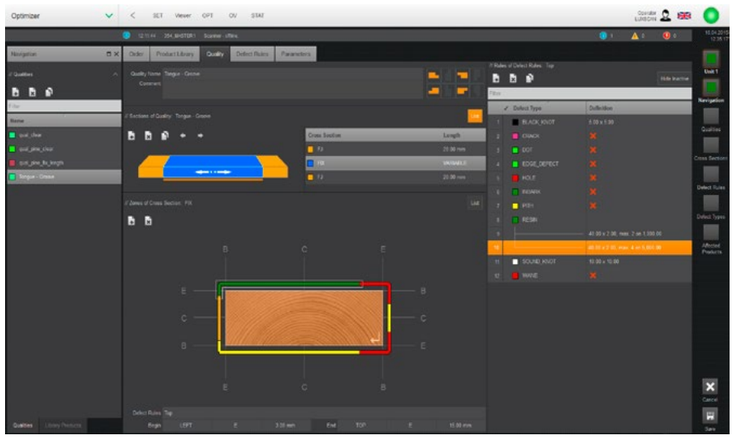


Fibre analysis - improved cut accurracy



An important part of maximizing yield and profit is locating the correct cut position, especially for fingerjoint products. The scatter technology, consisting of one dot laser provides this accurracy. The dot laser will improve defect detection, especially on rough surfaces. Cut positions can be improved based on angle and shape of the dots. This helps to prevent damage in fingerjoint applications and to identify weak areas in strength grading products. Both hard and softwood can be processed.

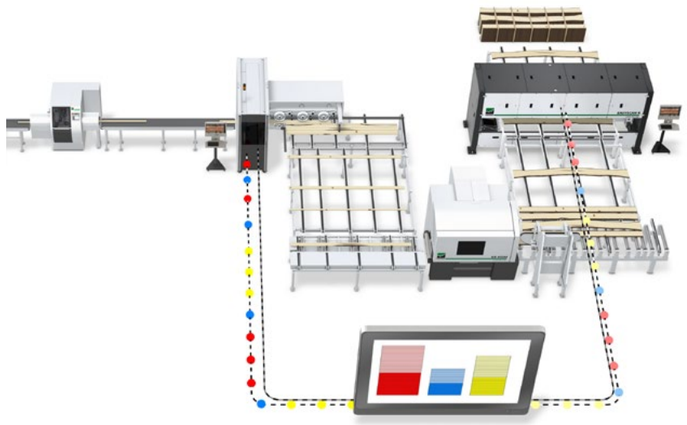
Powerful optimising software



Simple optimizing is the key to efficient production management. The powerful optimizer, OptiCore, allows you to programme multiple qualities and zones, tailored to your final product requirements. Multiple products and qualities are stored in a library and can be quickly and easily combined using the "drag and drop" feature. The logical interface of the scanner improves the set-up which is simple for any operator to use. This assures for high reliability, maximum availability and excellent performance. Operating mistakes are reduced if not even eliminated.

OptiLink: Advanced optimizing

Running complex processes has always been a difficult task. Combining different applications and production lines complicates the flow of information. OptiLink has been designed to optimize production management by centralizing the information flow. With only one access point to your production, producing just-in-time is no more a complex task. OptiLink minimizes operating errors on one hand and reduces intermediate stock on the other, which is a central benefit. Connectivity to ERP systems ensures easy access and data transfer, is another.



Overview of the EasyScan RT series: Standard specification and options

The table shows the standard technical specifications. For further, more detailed information according to your individual needs please contact an expert from WEINIG.

Technical Data

Version	EasyScan RT 4000	EasyScan RT 5000	EasyScan RT 6000
Max. speed (pcs/min)	up to 20 *	up to 20 *	up to 20 *
Min. / Max. input length (mm)	900 – 4000 *	900 – 5000 *	900 – 6000 *
Min. / input width (mm)	100 – 620 *	100 – 620 *	100 – 620 *
Min. / Max. input thickness (mm)	12 – 100 *	12 – 100 *	12 – 100 *
Hardwood / Softwood	● / ●	● / ●	● / ●
Working height (mm)	920 / 1100 *	920 / 1100 *	920 / 1100 *

Standards and options (internal)

Laser camera 1 side	●	●	●
Color module 1 side	●	●	●
Laser camera 2 sides	○	○	○
Color module 2 sides	○	○	○
LED – lighting	●	●	●
Fibre analysis (dot laser)	○	○	○
3D Laser	●	●	●

* Other speeds, dimensions or working heights upon application. All scanners will be matched to customer requirements. For this reason technical details may vary. Technical changes possible. Statements and illustrations in this brochure include optional extras which are not included in the standard specifications. Covers sometimes removed for photographic purposes.

● Standard ○ Option

EASYSCAN RT SERIES

LUXSCAN Technologies Sarl
Rue de l'Industrie
L-3895 Foetz
Luxembourg

Telefon +352 540 416
Telefax +352 540 417
info@luxscan.com
www.weinig.com

MICHAEL WEINIG AG
Weinigstraße 2/4
97941 Tauberbischofsheim
Germany

Telefon +49 93 41 / 86-0
Telefax +49 93 41 / 70 80
info@weinig.com
www.weinig.com