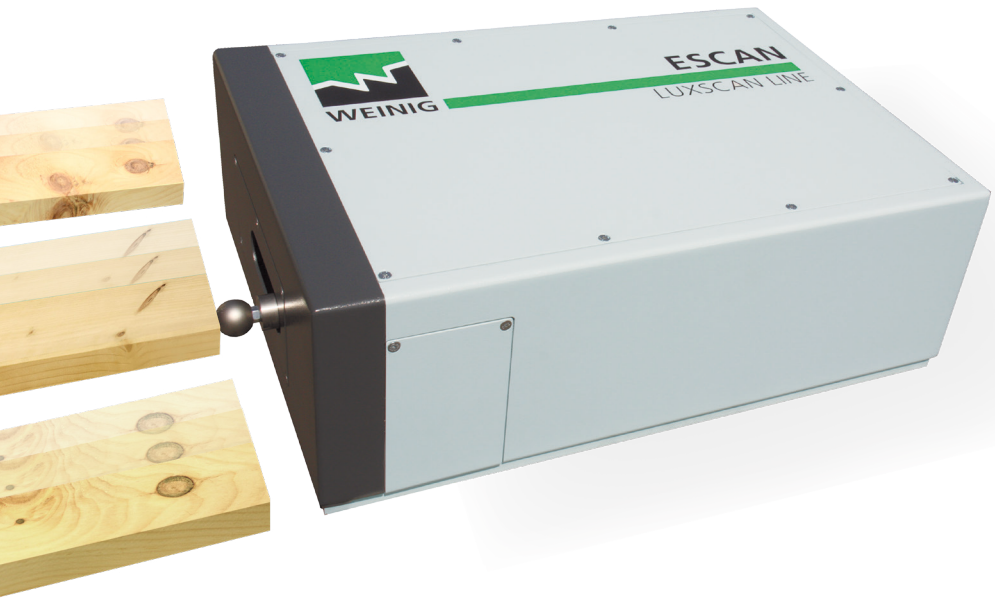


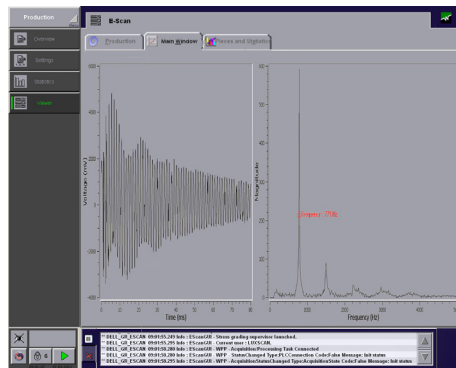
ESCAN SERIES

Strength grading and density measurement at its best

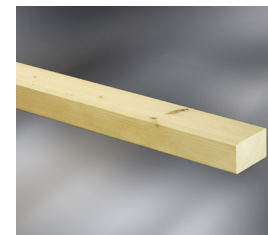


EScan series: Takes you into new dimensions

EScan is a grading machine for structural wood pieces, according to the standard EN-14081. EScan predicts the strength class of a board moving on a cross conveyor, by computing the dynamic Modulus of Elasticity (MOEdyn,long) and the density ρ . A mechanical device hits the board in order to create a vibration, which is measured by a laser interferometer. The density (ρ) results from combining the weight and dimension measurements. The bending strength is then predicted via statistical modelling. This proven and reliable technique provides consistent results for the prediction of the mechanical resistance – the strength class-of a board.



- Up to 180 boards /minute
- Dynamic MOE measurement by laserinterferometer
- Density computation by dynamic weighing and volume
- In line measurement (no need to stop the boards)
- Easily integrated into a cross conveyor
- User-friendly graphical user interface with touch screen
- Extensive production reports
- Built in network capabilities
- Direct integration with optical and x-ray scanners of the CombiScan Sense series
- PC based system
- Options: ink jet printing device



Standard technical specifications for the EScan Series

| Technical Data | EScan 60 | EScan 120 | EScan 180 |
|----------------------------------|------------------|------------------|------------------|
| Max. boards/min | up to 60 | up to 120 | up to 180 |
| Min. / Max. input length (mm) | 1800 – 6000 | 1800 – 6000 | 1800 – 6000 |
| Min. / Max. input width (mm) | 50 – 310 | 50 – 310 | 50 – 310 |
| Min. / Max. input thickness (mm) | 20 – 160 | 20 – 160 | 20 – 160 |
| Working height (mm) | upon application | upon application | upon application |
| Board alignment within (mm) | +/- 5 | +/- 5 | +/- 5 |
| Board end | clean cut | clean cut | clean cut |

For further, more detailed information, according to your individual needs, please contact an expert from WEINIG.



Various strength grading options are available for the production of glulam beams, DUO, TRIO, CLT and other strength based products. Information about the density and strength can be measured using the xray and/or fibre analysis, or can be imported from external sensors such as the EScan. Multiple alternative options are also available with our proven CombiScan Sense, EasyScan+ and EasyScan series!

ESCAN SERIES



WEINIG

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