



Touch-Free
Marking System

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WHY A TOUCH-FREE MARKING SYSTEM?

The Touch-Free Marking System fills the gap between manual crayon marking and fully automatic board assessment by a vision scanner, offering a number of advantages:



ADVANTAGES OVER CRAYON MARKING

- Recording and marking of defects on all four faces of the workpiece
- Accurate dimensioning of defects
- No optimization loss due to inaccurate crayon marks
- Manual handling of workpieces, i.e. physical exertion completely eliminated
- No need for walking along the workpieces
- Increase in concentration span of marking operatives



ADVANTAGES OVER SCANNER

- Easier to operate, quicker results
- High quality marking results even on workpieces that are difficult to grade automatically
- No restrictions in terms of surface quality, colours, changes due to water or kiln drying
- Lower investment cost

FUNCTIONAL CHARACTERISTICS

▶ RECORDING OF WORKPIECES

The workpieces pass through a camera system which registers all four faces. This eliminates the need for any manual intervention, e.g. for turning or moving the workpieces or walking along them. Thereafter their top and bottom faces and edges are shown on separate display screens.

▶ MARKING OF WORKPIECES

Sitting in comfort in an enclosed cabin and using a joystick and touch screen the operator marks defects taking into account all four faces of the workpiece. This work can also be done by physically handi-capped operators.

The joystick allows fast, non-contact marking of the workpiece. Optimizing losses due to poor marking are reduced, marking consumables are no longer a requirement.

In addition, the software offers various tools for the easy and exact marking of the workpieces, increasing productivity and timber yield. After marking of all defects and quality zones, their locations are transmitted to the cross-cut station.

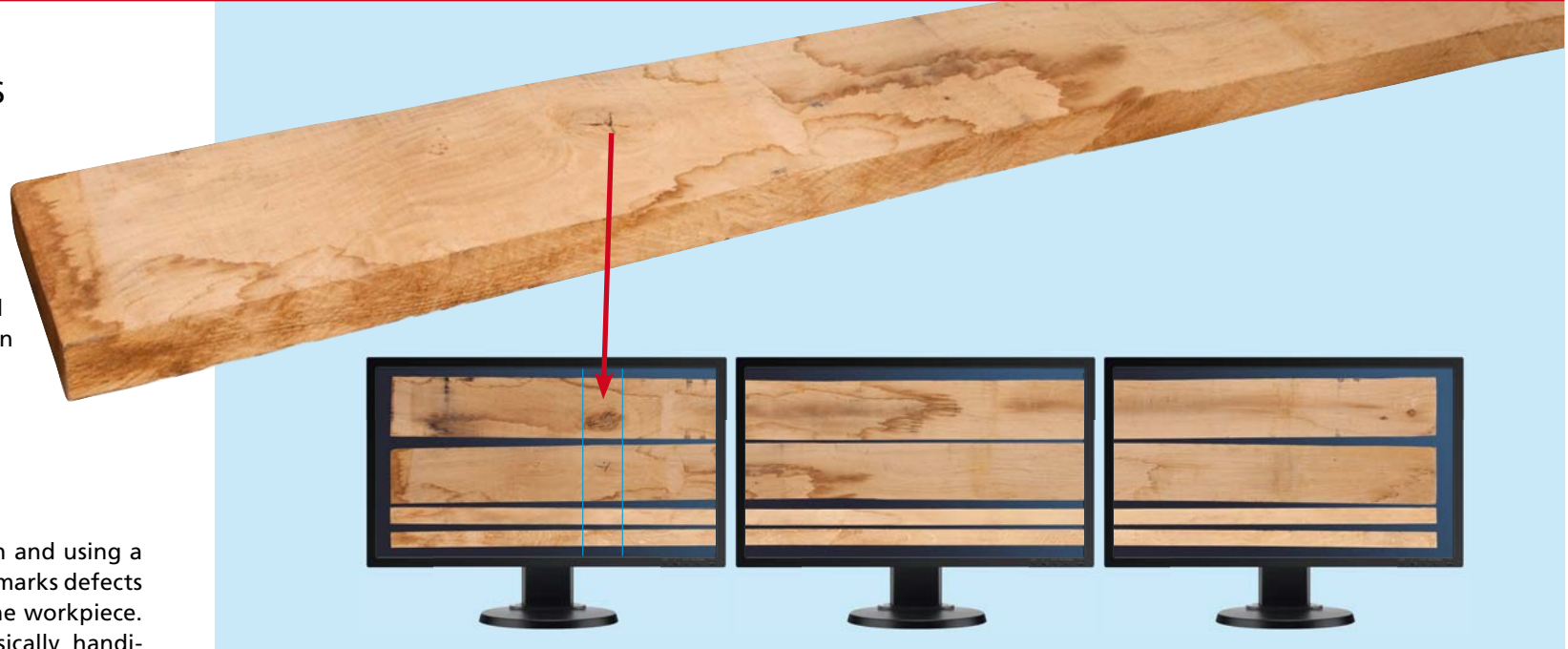


Fig. 1 Display of timber characteristics on screens

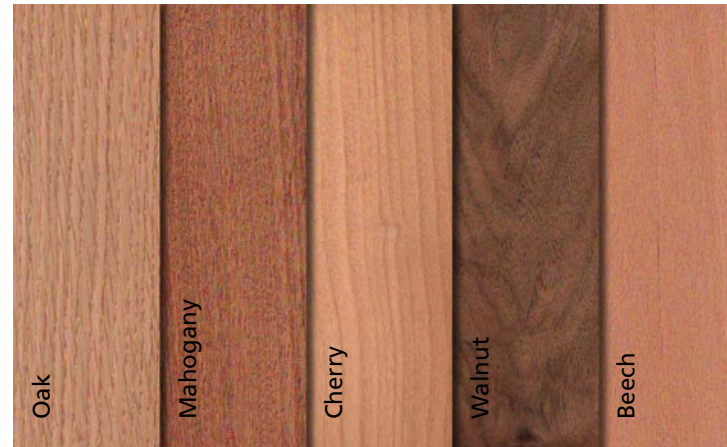


Fig. 2 High-quality species that are hard to detect automatically



Fig. 3 Seated workplace in a separate cabin



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