

EdgerView™



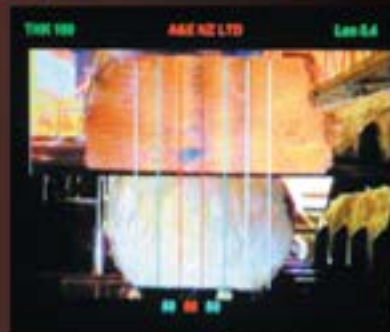
EdgerView™

Live Sawline Positioning (without laser)

For manually controlled Edgers

FEATURES

- Live video of actual board with adjustable sawlines overlaid
- No need for lasers
- Increased lighting enables better view of wane defects
- Adapts also to repositioning infeeds
- Better view of outfeed (no laser tower)
- Application in both Green mill / Dry mill



MAIN OFFICE
4 Portside Drive Mt Maunganui 3116, New Zealand
Ph: +64 7 574 6223
Email: sales@automationelec.com
Website: www.automationelec.com



USA OFFICE: 406 Frazier Road, Ruston, LA, 71270
P.O. Box 13182, Ruston, LA, 71273
Ph: +1 318 243 5974 or +1 318 548 7852
EMAIL: jeff@automationelecusa.com
Website: www.automationelecusa.com

Edgerview™

The Edgerview range of edger saw positioning systems have been designed to provide a user friendly, fast and accurate process for board edging. A solid state camera captures the image of a board and overlays computer generated saw lines on top of the board image. The base Edgerview systems require an operator to manually align wane locations, while the Edgerview Pro Scan has a low cost scanner that automatically identifies board dimensions and wane locations. Once the scan has been achieved the low level optimiser searches a look up table for the closest available solution and generates the solution onto a live video image of the actual board that was scanned. The operator now has the option of letting the board proceed to the saw or manually adjusting for a higher-grade solution.

Models

Edgerview

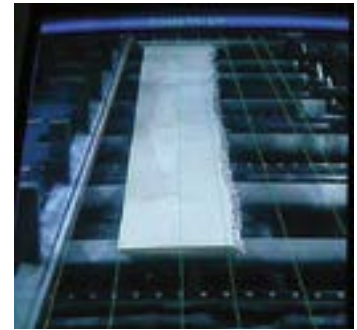
Basic Edgerview system with manual saw projection lines
Positioning on infeed spotting chains

Edgerview - Pro

Advance Edgerview system with basic Edgerview features and additional automatic wane detection software and prepositioning infeed.

Pithview

End on visual system for boxing pith on cants or for gang saws.



Specifications

Machine Centre

- Minimum number of sawblades / Max number of saw blades
- Max and minimum width in boards / Max and minimum length of boards

2 / 20

Mechanical constraints

Controls

- PLC system
- Operating system
- Screen
- Operator console
- Thickness measurement
- Remote access

We can interface with most makes of Setwork

PLC - Allen Bradley / Siemens

Microsoft Windows XP/7

17" LCD or larger

Free standing or seated

Laser caliper

Broadband / Via dial up modem

Scanner performance (only available with Edgerview Pro)

- Length accuracy
- Width accuracy
- Thickness accuracy

6.35mm

1.0 mm

0.1 mm

Reporting

- Piece Count
- Production reporting
- Logging of alarms

YES

YES

YES

* Note: Features described on this sheet may vary between installations to suit the requirements of each machine.

Features

- Can be retro fitted to most new or secondhand edger machines (some mechanical modifications may be necessary).
- The positioning systems can be provided as part of a pre-positioning infeed system.
- No lasers means higher ambient light levels, and improved grade decisions.
- Push button toggling through alternative solutions.
- Ability to mirror image solutions to improve grade decisions.
- Improved visibility of the out feed due to absence of a laser tower.
- Reduced wear on saw guides as lines are moved between solutions - not saw blades.
- Mechanical alignment of saw blades and lasers not required.
- Edgerview Pro can accept boards wane up or down.

Support

The Edgerview system can be accessed remotely via Broadband or Modem for off-site fault diagnosis and monitoring. Technician support is available by contacting the Automation & Electronics office.

