

TimberClip System

Plywood Veneer Clipper Optimisation

Azitech, in conjunction with a leader in automated camera inspection systems, have developed a new plywood clipper control and optimisation system that offers increased yield of high quality veneer for plywood manufacture.

This system scans for knots, holes, splits and other defects in the ribbon immediately after the lathe and prior to the clip operation. Parts of the ribbon that have defects are automatically clipped out and can then be discarded to trash. The good ribbon is cut into user defined lengths or into lengths that ensure the maximum recovery of usable timber.

System Features:

- Ribbon speeds up to 90m/min*
- Easily interfaces with existing clippers
- Can be interfaced with new or existing trash gates
- Option to log production history to database

Systems are customisable to meet specific customer requirements and are flexible enough to automatically handle different widths of timber.

Benefits:

- Increase in high quality timber yield
- Improved trash handling
- Process improvement
- Adjustable inspection tolerance setting
- Multiple product selection and configuration
- Consistent veneer lengths
- Easy installation with minimum downtime
- Reliable and easy to use



Inspection System:

All inspection products are based on robust automated industrial cameras coupled with sophisticated analysis algorithms. A range of additional data logging, optimisation or reporting software is available. This runs on a PC that can be located anywhere in the mill.

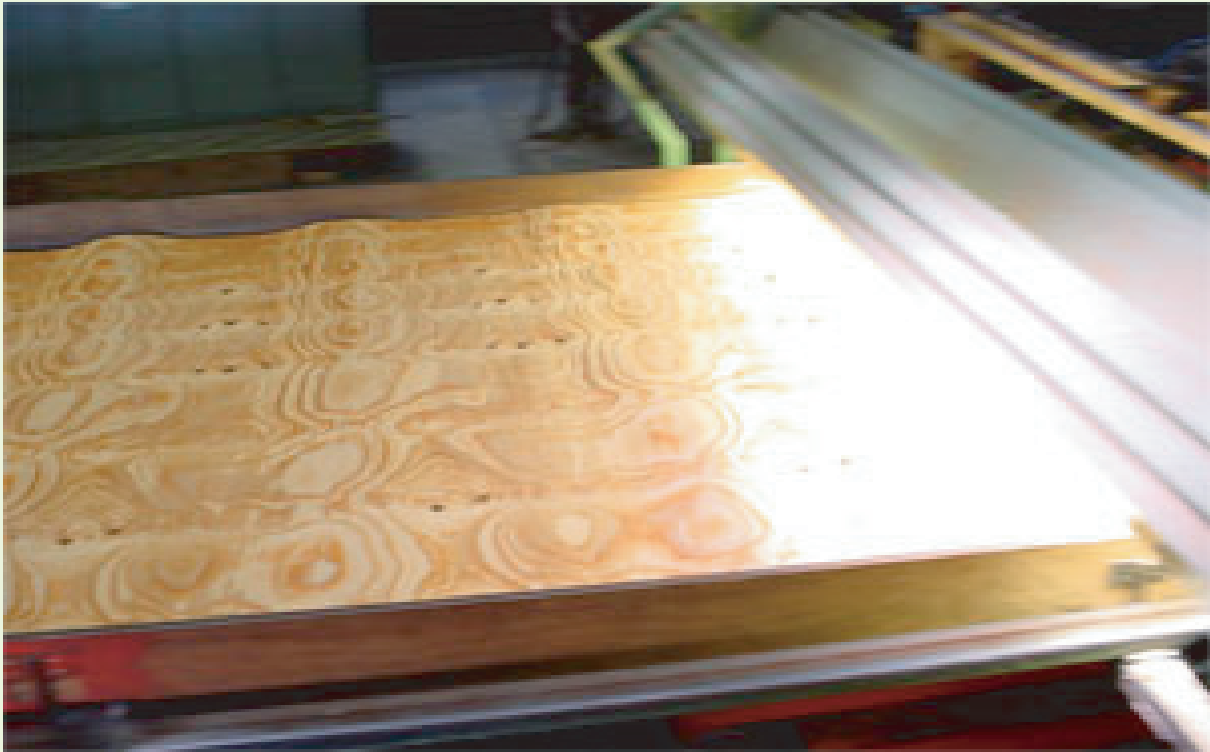
Operator Display Panel:

Inspection systems come with an integrated control panel. This has full menu control that has been customised to the application. The control panel displays real time images of the timber ribbon and is used to set up the system. The images are overlaid with result information of the scanning. Historical results are easily accessed. Password protection is available.

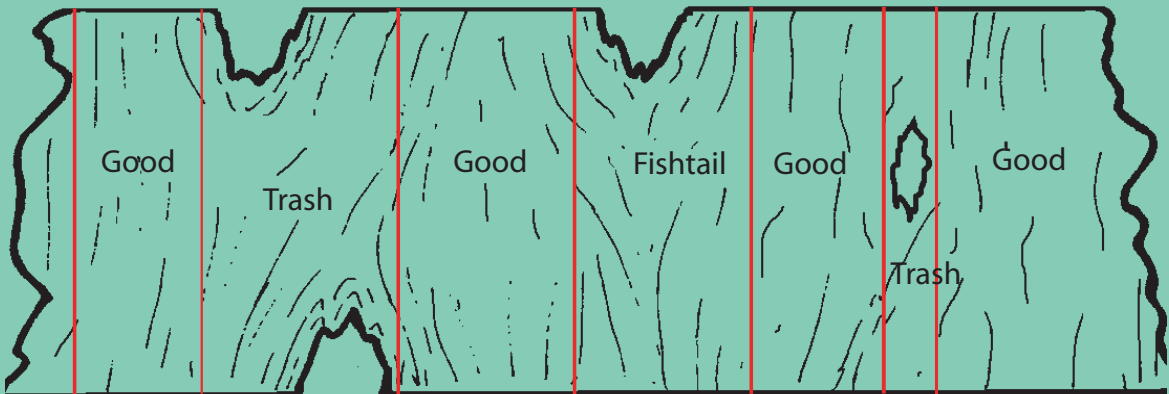


TimberClip - Plywood Clipper Optimisation

The optimisation system performs high-resolution scanning of the timber ribbon as it passes through the scanning station. A continuous image of the ribbon is analysed to detect and quantify the knots, holes, splits or other defects in the timber that need to be clipped out to produce veneers of the required quality.



The optimisation system is able to grade the timber into usable timber or trash. The usable portion of the ribbon can be cut to a range of lengths to optimise the yield for the customer.



Our engineers can cater for specific customer optimisation requirements during on-site commissioning of the system. This can include customer specific graphical user displays or interfaces with existing database or reporting systems.



Contact Person: Dave Mepham
Address: 67B Jenner Road
Dural NSW 2158
Tel: (02) 8213 2434
Fax: (02) 9945 0254
Mobile: 0421581 875
email: info@azitechaustralia.com