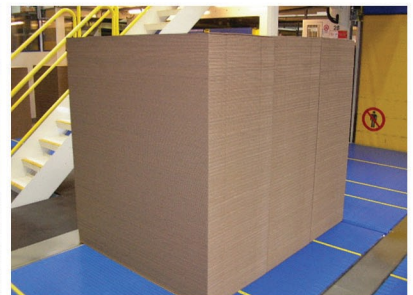
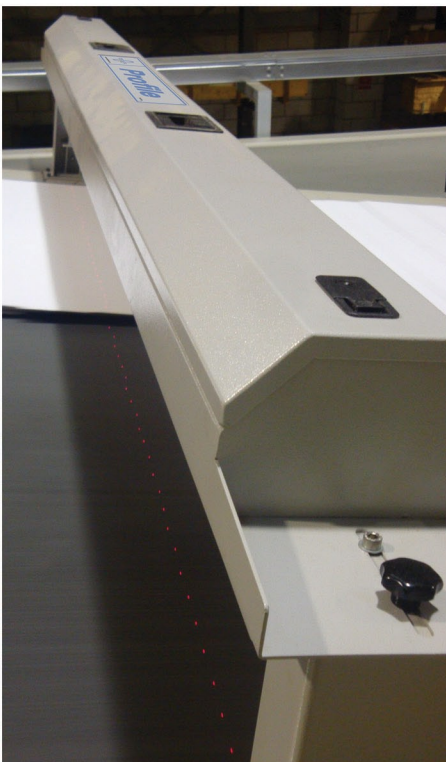




Corrugated Control & Traceability

Profile

Closed-loop Process Control



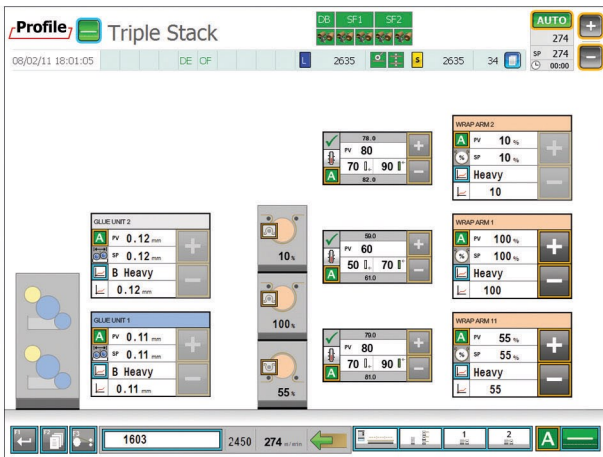
Consistent quality Efficient raw material usage



The Profile system provides accurate automatic control of produced board grades. All process parameters are monitored in real time and controlled in relation to speed or temperature via configurable graphs. Closed-loop control is achieved by analysing board profile measurement feedback.

Parameter Control

The process parameters have a range of configurable graphs for each variable. Process parameters include: paper temperatures, moisture, steam temperature, steam showers, glue gaps, wrap arm positions, corrugating roll pressures, double backer ballast and heat sections.



The control loop is closed by a Laser Bar which is positioned across the stacker belts and measures the profile of produced sheets. This final output measurement feeds back into the process control to ensure the board is manufactured to the desired target profile setting.

Analysis & Traceability

Machine parameter data and board profile measurements are stored in a database at regular intervals enabling analysis of the production process and traceability of produced orders.

Automatic closed-loop control

Energy savings

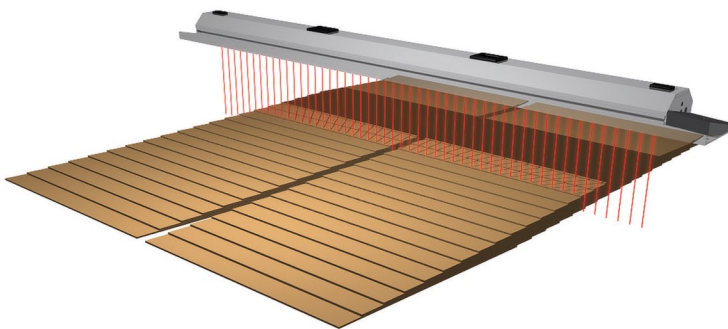
Warp Control

The Laser Bar measures the profile of produced boards accurately, continuously and in real time. The profile measurement values enable automatic closed-loop warp control, data analysis and traceability of process parameters under known conditions.

Payback for the system is quickly realised due to the increase in productivity and the reduction of downtime and waste.

Objectives

The objectives of the Profile system are to ensure product consistency and repeatability, together with reductions in raw material and energy consumption, which result in enhanced customer confidence and satisfaction.



Visualisation

Measurements of the produced board profiles are displayed in real time together with the shift totals for the three levels of configurable warp limits.

Continuity

Process Control is a 'continuous journey', dynamically moving forward with raw material changes and advancements in manufacturing techniques. The Escada Profile system offers a program of continuous evolution with the availability of regular upgrades through comprehensive support agreements.



Corrugated Control & Traceability



Integrated Rollstock



Supervisory Corrugator Control



Closed-loop Process Control



Post Corrugator Logistics

www.escadasystems.com