

CYPRESS SYSTEMS

Over 700 veneer moisture detectors installed world-wide!

- **Improve Drying Efficiency**
- **Increase Clipping Efficiency**
- **Reduce Redry Costs**
- **Improve Veneer Quality**
- **Improve Automatic Stack Quality**

The Cypress **Evolution** Series offers more advanced moisture detection settings than any other moisture detector so that you get the highest return on your investment

Real-Time data on the main screen shows the veneer moisture profile, sensor readings, peak and avg. moisture per sheet, and general production stats.

Intuitive Setup Screens and the use of a large 15" touch-screen allow the user to navigate the menus with ease and make changes on the fly.

Advanced moisture level settings allow users to establish grading criteria based on a number of factors including: area, # of peak moisture pockets, and their proximity to each other.

Real Time Reporting and Grade distribution are displayed using easy to read graphs. This allows the operator to analyze the system's performance and make adjustments.

New Advanced Automatic Dryer Controls (ADC) can tie the green end into the new Cypress Evolution Dry End Systems to provide more precise adjustments and more built in dryer control logic.

Applications

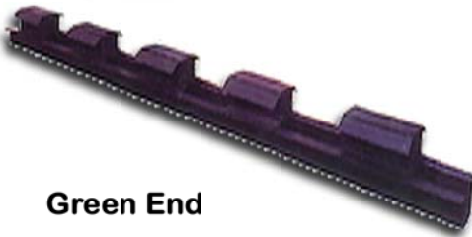
Dry End

Green End

LVL

Sliced Veneer

Custom Applications



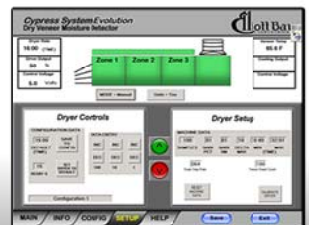
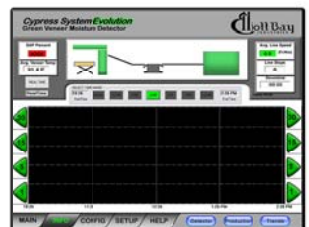
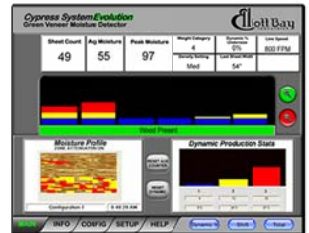
Green End



Cross Tipple



Dry Chain



To find out more, visit our website at www.ellbay.com or call us at 1-206-762-6560



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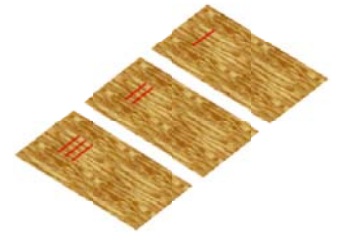
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THE CYPRESS ADVANTAGE

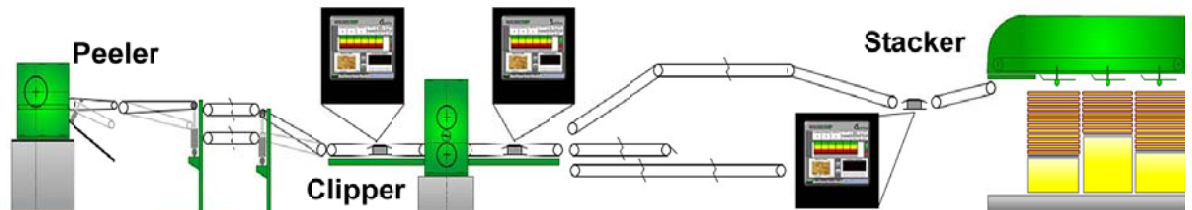
- Proven RF sensor head system, implemented by Elliott Bay over 20 years ago.
- Our experience in veneer moisture detection continually drives development of the best systems and service available today.
- The Cypress Evolution has the most features in the industry, allowing for complete moisture control.
- Low maintenance design= Low cost of ownership.
- Robust engineering ensures all the components will handle harsh environments, high temperatures, strong vibration, and a trouble free 24/7 service that Elliott Bay has built it's name on.

THE BOTTOM LINE

- Increase your profits by up to 20% with proper veneer moisture detection and control.
 - Improve drying efficiency AND veneer quality by drying veneers of similar moisture contents together in batches.
- True, fast ROI that you can see.
 - Increase Recovery with advanced clipper controls, Reduce Redry Costs with better drying control, Reduce stacker downtime with improved stack quality.



- Flexible Locations:



TECHNICAL

A. Mechanical

1. Frame: Powder Coated Steel Sensor tray, and durable steel sensor heads with ceramic coated sensor elements.
2. Transport: Existing belt conveyor system
3. Electrical and Ink Enclosures: Hoffman: rated Nema 12 or better.
5. Ink System: Pneumatic pump type system Air 5 CFM @ 60 PSI

B. Electrical

1. Power Requirements: 110 VAC 50/60 Hz, 5 amps *Step-Down transformer available
2. I/O System: 8 inputs per card (high speed digital conversion) 8 outputs per card (2-3 cards standard)
Standard Outputs: 110 VAC Triac with optional DC Logic: Sink/Source
3. Memory: Battery back RAM
Cypress Evolution: 1Gb DDR RAM + 512mb Flash.
4. Serial Port(s): RS 232
5. Ethernet Ports: 1 available on Cypress Evolution.

C. Operational

1. Moisture Detection Range: From Fiber Saturation (25-35% MC) to 250% Dry weight basis
2. Scan Area: 100 % of veneer surface
3. Max Line Speed: 1000 FPM (300 M/MIN)
4. Sorting : Up to 8 sorts standard.
5. Calibration: Full Self Calibration

To find out more, visit our website at www.ellbay.com or call us at 1-206-762-6560

