



LightMARK™ Load Marking System

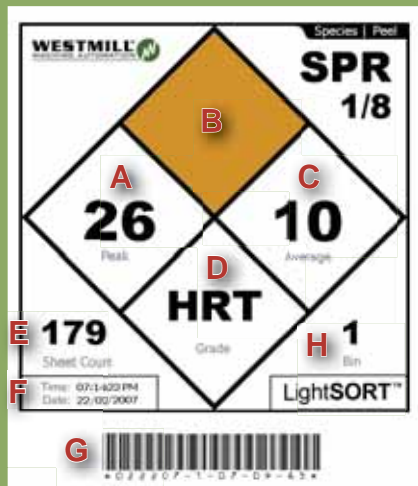


Westmill Machine Automation's new LightMARK™ Load Marking System provides a feed-forward proactive approach to veneer drying.

Used in conjunction with Westmill Machine Automation's LightSORT™ Green Veneer Moisture Measuring System, LightMARK™ is a visual inventory system using labels that contain vital moisture content information about each veneer stack.

By utilizing both the average and the peak moisture contained within the stack (generated by LightSORT™), the LightMARK™ Load Marking System becomes a powerful visual inventory bridge between these now accurately sorted veneer stacks and the Dryer in-feed.

LightMARK™ labels



- A** – Peak moisture content
- B** – Moisture content identifier
- C** – Average moisture content
- D** – Grade (i.e. heartwood)
- E** – Sheet count in stack
- F** – Time and date
- G** – Bar code containing specific stack information
- H** – Stacker bin



More about LightMARK™ on next page

IT'S LIGHTSORTED

Feed-forward

How LightMARK™ works

The basic concept:

1. Label each veneer stack as it leaves the stacker,
2. Inventory it according to moisture content, then
3. Move “like-moisture content” stacks to the Dryer in order to further capitalize on the benefits of the LightSORT™ system through tighter feed-forward Dryer optimization.

The benefits:

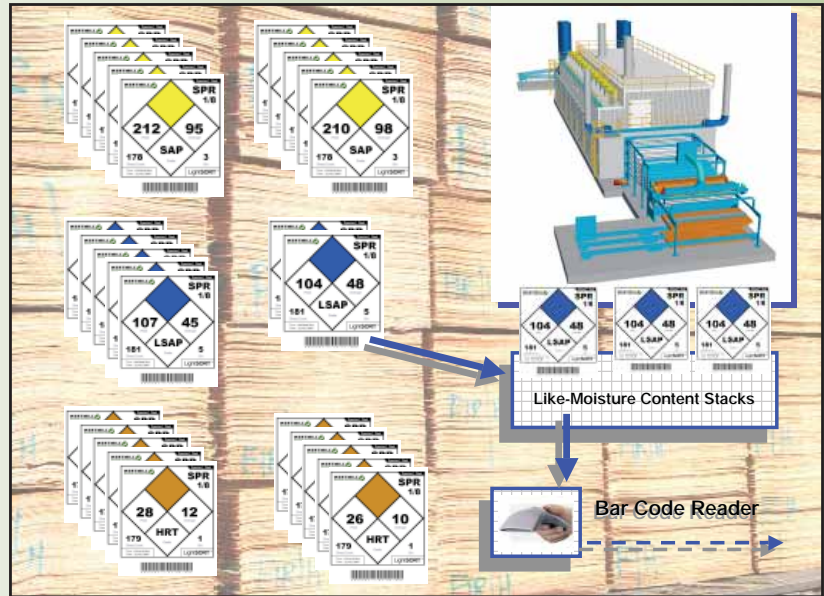
Movement of these “like-moisture content” stacks to the Dryer will provide controlled feed-forward knowledge by identifying the exact moisture content of the veneer entering the Dryer.

This accurate feed-forward information can be used for both Dryer recipe and sort point optimizations, as well as supplying basic troubleshooting benefits for “fingerprinting” of the Dryer’s personality.

The stacks entering the Dryer are read with a barcode reader, and this information is then fed back into the LightMARK™ system for information-gathering purposes, including manual troubleshooting possibilities.

If you want the moisture content information in the barcode to actually control and set your dryer recipes, Westmill™ will work with your programmers and current PLC to optimize this revolutionary approach to veneer drying in your mill.

LightMARK™ is Westmill Machine Automation’s latest effort to bring advanced information technology to the veneer processing industry.



LightMARK™ provides for easy moisture content identification of stacks for precise feed-forward control to the Dryers. The top figure shows the movement of like-moisture content stacks to the Dryer. The bottom figure shows how LightMARK™ effectively deals with Dryers with hot zones.

