



BoardHound™ Lumber Tracking System

The **BoardHound** is a lumber tracking system designed specifically to track lumber from your high-speed planer/edger to your trimmer optimizer. If you can measure it, we can track it!



HIGHLIGHTS:

Utilizing stress and moisture data at your trimmer optimizer can add millions to your bottom line.

Maximizes the value of every board by allowing the optimizer the ability to make trim decisions based on stress and moisture data.

Existing configurations support Metriguard MSR lumber stress testing equipment & Wagner's moisture measurement system located at the planer outfeed & presenting data to a transverse trimmer optimizer.

Can also be configured to track sawmill edger solutions, helping synch your edger and trimmer optimizer.

Easily integrates into your existing system with minimal mechanical changes.

Stop losing money at your Trimmer Optimizer, give it the data needed to make sound decisions with **BoardHound**.



REGIONAL OFFICES

Albany, Oregon

Seattle, Washington

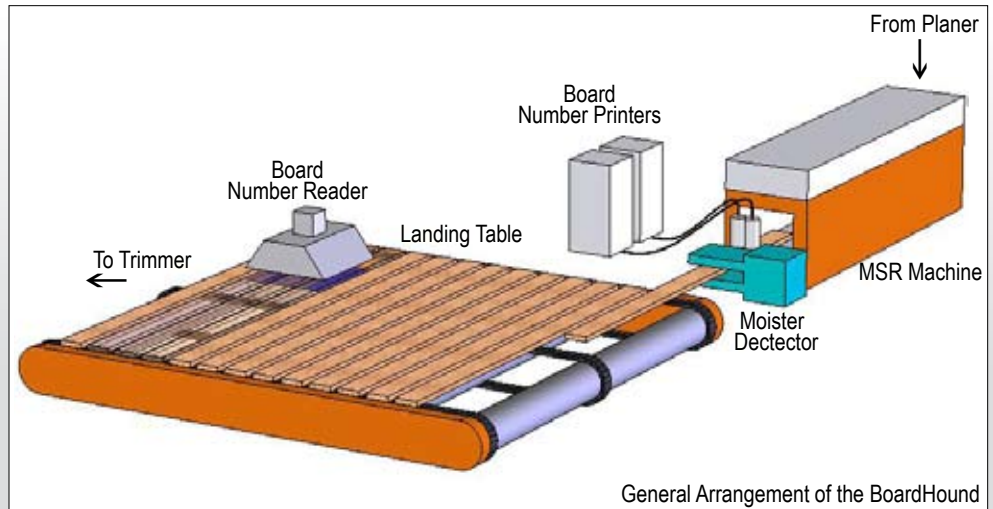
Charlotte, North Carolina

Denver, Colorado

Value Added Manufacturing

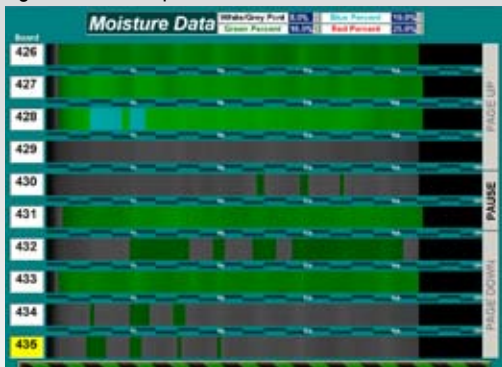
BoardHound enables you to get more value out of your lumber. By utilizing stress and moisture data at your trimmer optimizer, trim decisions can be made to maximize each board's value. For example, a 20' board may have a weak point on one end. Rather than make a 20' board with a low stress rating, **BoardHound** allows you to make an 18' board with a higher stress rating, resulting in a more valuable product.

Use **BoardHound** to Track Data to your Trimmer Optimizer.



Above: The sensor head assembly is easily integrated into your existing equipment.

Below: A screen shot of a typical installation showing the moisture profile data for the last 10 boards.



NO LIMIT

The revolutionary **BoardHound** system reliably tracks board information from your planer/edger to your trimmer. It does this by applying a series of invisible fluorescent marks on the wood at speeds up to 3000 fpm as it travels through the sensing equipment. **BoardHound** then reads the marks back off the wood at the trimmer infeed (see general agreement above) and correlates the original measurement with the board.

BoardHound is capable of tracking all manner of data such as detailed stress information and moisture. Since each mark defines a record number, not the actual data, there is no practical limit to the amount of information that can be tracked with each board. The type of data that can be tracked: stress, moisture, thickness/width, optimizer solutions, if you can measure it, **BoardHound** can track it!

FLEXIBLE IMPLEMENTATION

The **BoardHound** system is capable of tracking up to 10,000 boards simultaneously. The system was originally designed to track board information from a high speed planer running at speeds up to 3000 fpm into a trimmer

running at 200 lugs per minute, allowing it to fit in most planer applications as a retrofit. In addition, the system is 100% non-contact therefore, mechanical modification requirements are minimal.



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Concept Systems is a leading Systems Integration Solution Provider, focusing on Automation and Information System solution for business. Concept Systems combines highly skilled engineers and technicians with quality products to meet today's integration and control challenges.

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