

## **TIMBRE™ STRIKING SYSTEM**

Obtain the 'true sound'  
from your wood



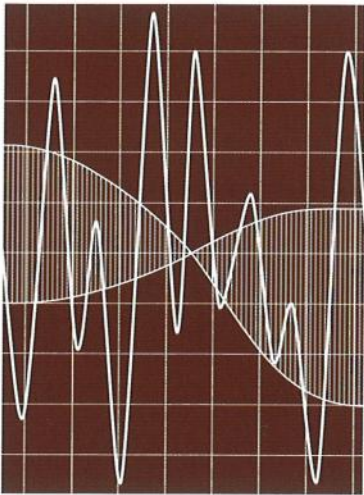
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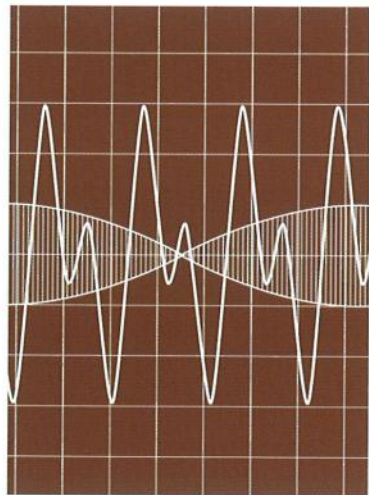


# TIMBRE™ STRIKING SYSTEM

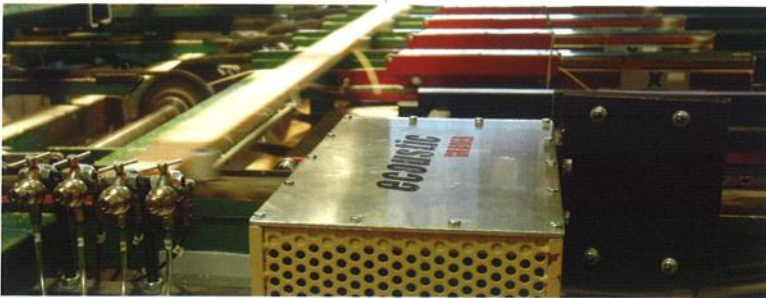
Timbre™ is a tuned hammer and vibration isolation system, incorporated into the Ecooustic™ Grader for unrivaled acoustic signal quality. It allows the wood to vibrate freely, delivering its 'true sound'.



Without Timbre™



With Timbre™



*Timbre, pronounced "Tambar", is a musical term, defined as the 'quality of sound' distinguishing sounds of the same pitch and volume.*

- A vibration isolating system that supports the wood whilst being struck, producing perfect sound - 'Timbre'
- A unique hammer striking system, optimally tuned for both mass and speed, capable of reproducing the same acoustic result strike after strike!
- An increase in acoustic signal accuracy by over 90% compared to striking wood supported on a chain or a fixed steel skid with a conventional air ram hammer.
- A specific algorithm to ensure that wood of different dimensions is optimally struck
- Robust noise cancellation algorithms that isolate the wood sound over other mill noise
- An extremely high acoustic signal resolution, typically 1/500th of the total signal
- Ability to predict high, low and average MoE values
- Ability to evaluate the difference between heartwood and sapwood boards by dissecting the acoustic signal

The Timbre™ Striking System delivers unparalleled confidence in grading green or dry wood, allowing you to set tight thresholds and optimise your grade output. It can be applied to boards, flitches, cants and logs.

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