

Heavy Duty Impact Protection

Print head impact protection for the structural timber industry

Reliable marking - even with irregular conveyed materials

The wood industry places particularly high demands on marking systems: Tough production conditions meet equally high expectations for the quality of product labeling. Many systems cannot withstand this strain for long.

Installed directly on the conveyor system, the REA JET HR inkjet printer automatically marks sawn timber as it passes by. If a board is tilted or boards are stacked, the integrated impact protection engages: the steel sled deflects upward in a controlled manner, effectively preventing a collision with the print heads.

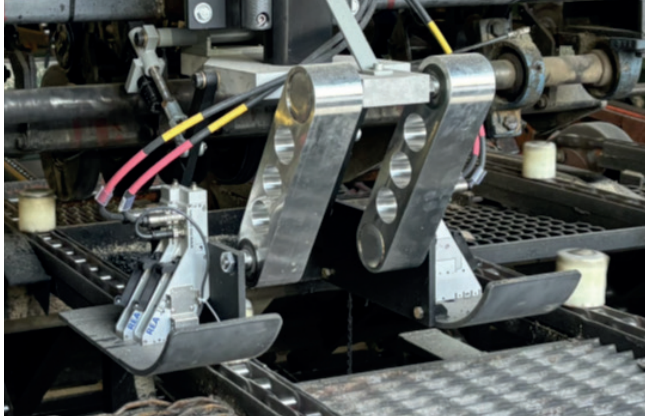
It reliably absorbs even heavy impacts at high speeds and protects the sensitive components from damage.

The one-piece, roll-formed steel construction is virtually indestructible, making the system extremely robust and maintenance-free - ideal for continuous operation under the most demanding production conditions.

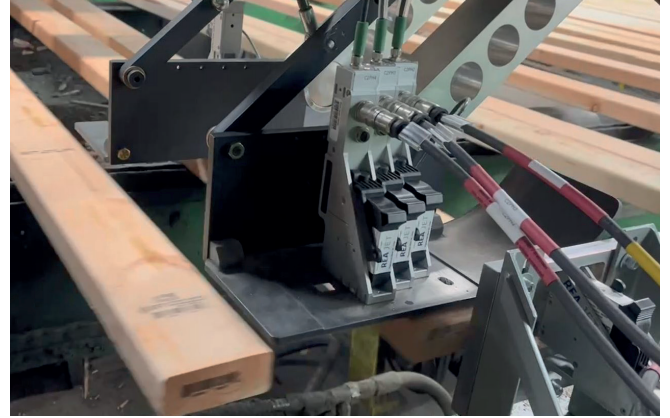


Perfect duo - REA JET HR & Heavy Duty impact protection

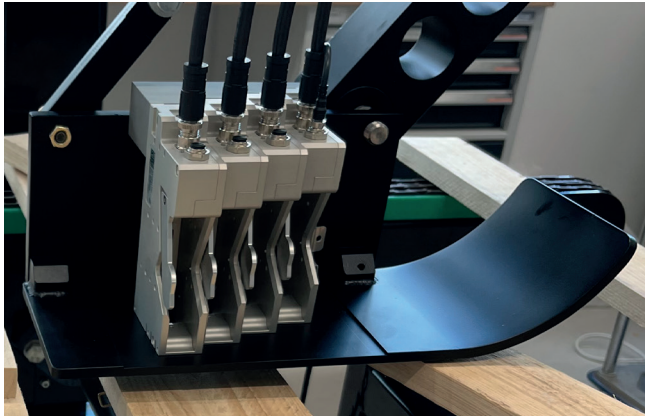
- High-resolution wood marking with integrated impact protection consisting of carriage and parallelogram
- Reliably protects the print head by intercepting impacts from misaligned or falling timber early and deflecting them in a controlled manner
- Robust construction withstands direct hits from misdirected material without damage
- The print head is safely swiveled out of the impact zone and automatically returns to its original position
- Benefit: Uninterrupted Production
- Designed for high-speed production - handles up to 400 boards per minute
- Ideal for continuous industrial use under demanding conditions



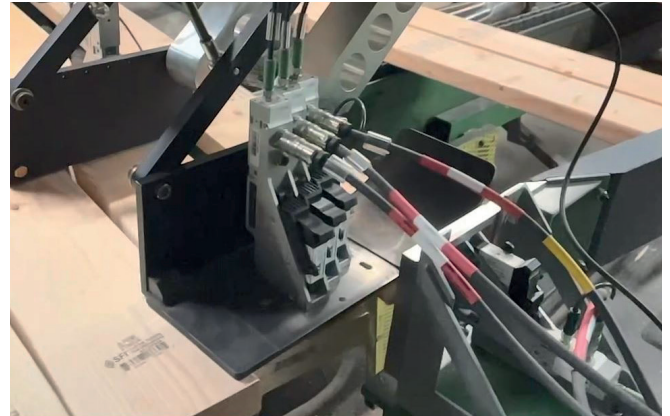
Double slide impact protection



2-sided marking in throughfeed (surface and front)



Impact protection design



Reliable print head protection

Cascaded REA JET HR 2.0
print heads with
Universal Touch Control Unit



Advantages and properties

Proven solution:

- Robust, maintenance-free system, tried and tested in the US timber industry

Construction:

- One-piece design made of roll-formed, heat-treated steel
- Virtually indestructible
- Fully mechanical pentagraph- no technician maintenance required

Carriage Design:

- Heavy-duty steel frame supporting up to four REA JET HR printheads
- Four preloaded tapered roller bearings for precise, smooth movement
- Swivel mechanism protects against frontal material impact

Shock Absorption:

- Return to starting position via adjustable shock absorber
- Protection of print components against impact damage

Height Adjustment:

- Height adjustment with approx. 200 mm stroke for exact positioning

Variants:

- For conveying directions "R/L" (right to left) and "L/R" (left to right)
- Also available as a dual-carriage configuration
- Marking depending on cartridge position and product flow direction

