

DryTrack® Freedom

In-Kiln Moisture Measurement System

DryTrack Freedom is our patented moisture monitoring system (US Patent No. 12449197-B1) and the industry's first fully autonomous solution for in-kiln use. No plates. No pneumatics. No operator input. Just continuous, real-time data you can count on.

How It Works

Fixed, mechanically-loaded brushes contact the side of each lumber pack as it moves through the kiln. The system measures capacitance in the wood, which correlates directly to moisture content. Higher capacitance means more water in the wood. This data is collected automatically as the pack moves, with no moving parts and no manual effort.

Why It Matters

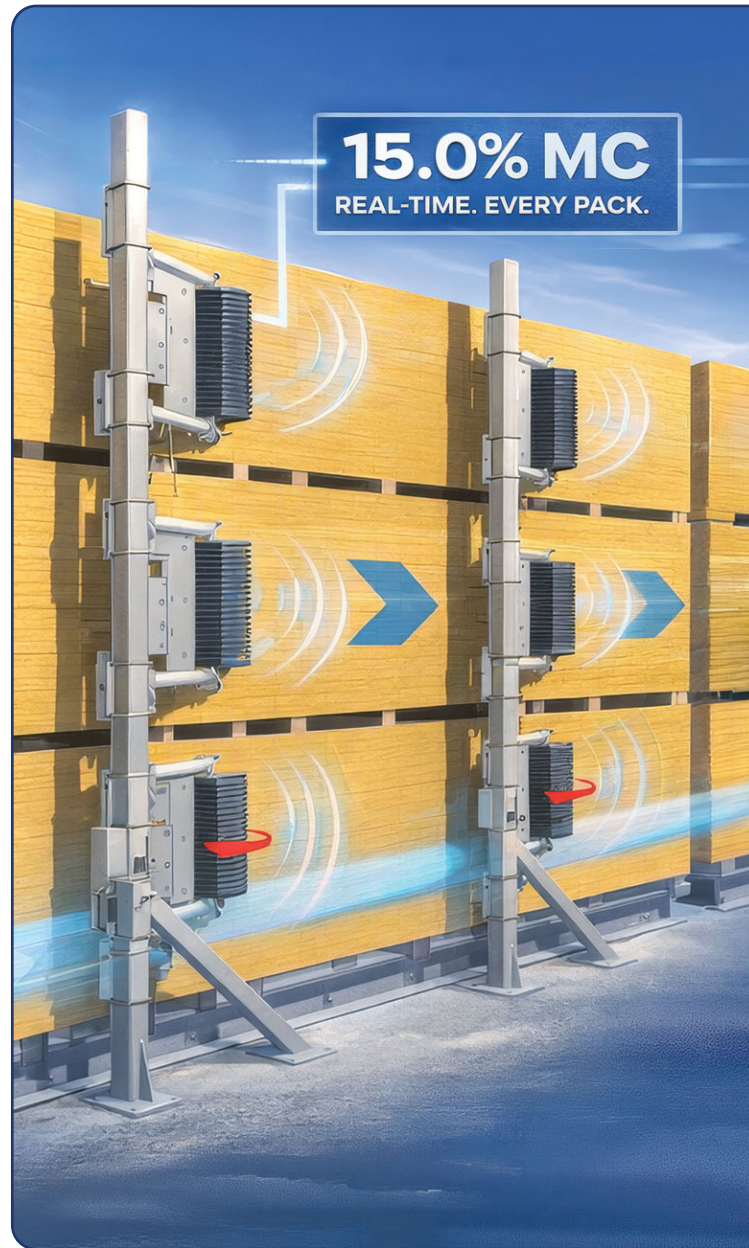
- No stainless plates to insert or remove
- No pneumatics or mechanical arms to service
- No operators climbing in and out of forklifts
- No missed readings, skipped packs, or downstream damage

Mill Benefits

- Fully autonomous moisture monitoring
- Safer, cleaner kiln operations
- Faster installs and easy retrofits
- Lower labor and maintenance costs
- Accurate, repeatable data for every load

Upgrade to DryTrack Freedom

The future of kiln moisture measurement automation is here. Contact KDS Windsor to get started.



As each pack passes, brushes rotate along the sides, collecting constant real-time moisture data.



DryTrack Metering Cards: This is where the data is processed and then sent to the control room. The meter cards are installed in aluminum NEMA 4 enclosures on the outside of the kiln walls close to each measuring point. A low-pressure air system keeps the enclosures and meter cards cool and dry by maintaining a slight positive pressure inside the meter box. This environment ensures a long life for the measuring cards and enables us to offer a 3-year warranty, the longest in the industry.