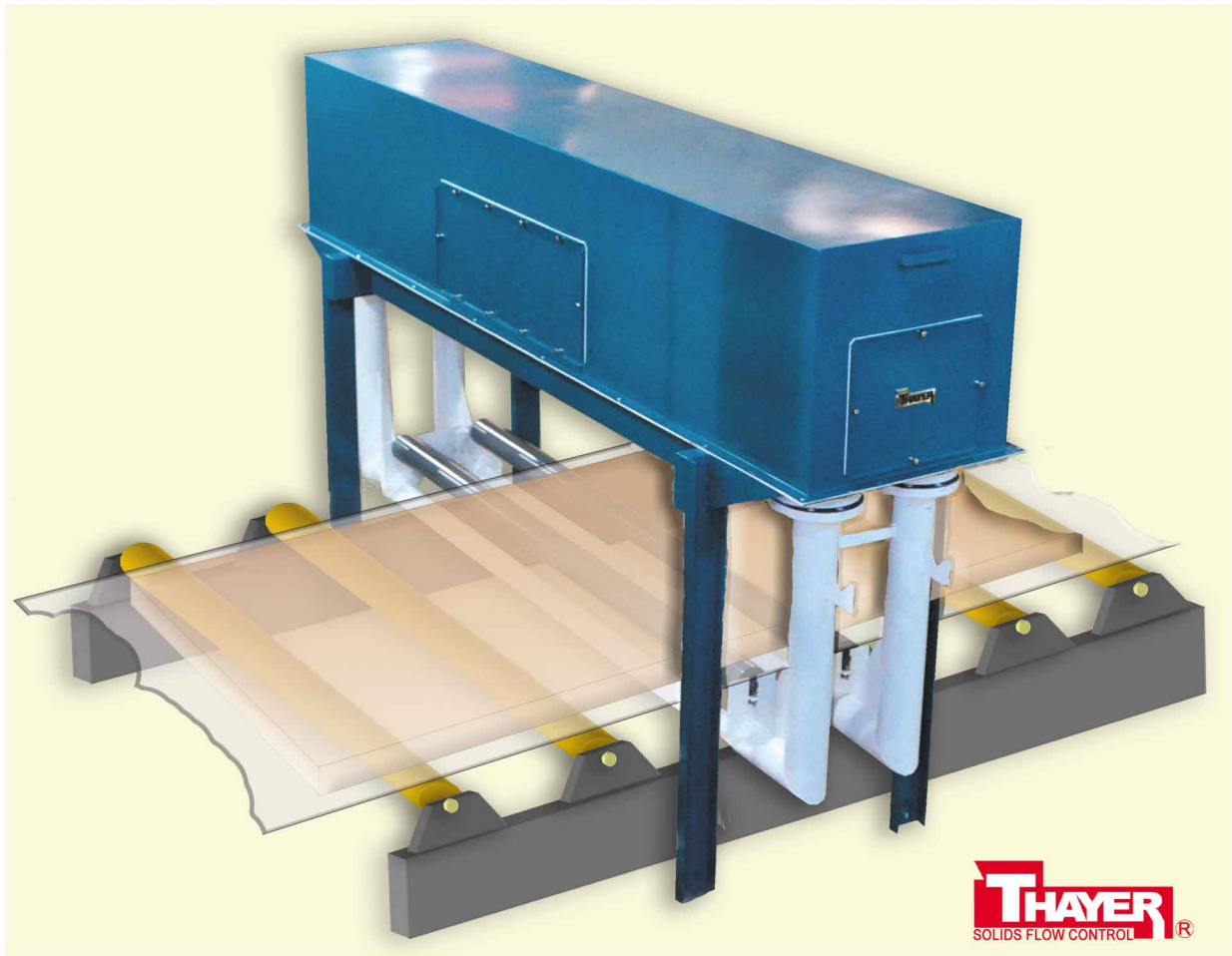


THAYER Model "FP" MAT Weigher



The THAYER Model FP is the low density belt scale of choice for accurately weighing a continuous, pre-pressed OSB/MDF mat stream. Custom manufactured to fit into an existing former line conveying system, the Model FP is specifically designed to control plant operating costs and product quality by providing an accurate and repeatable pounds per foot load output. This accurate measurement allows users to make informed decisions about forming system process adjustments, enabling them to maintain the finished product within specified tolerances.

Unlike simple slider deck arrangements that are directly coupled to a series of strain gauge load cells, the THAYER Model FP consists of a Force Measurement Suspension System (FMSS) interposed between a live, multi-idler weigh bridge and a single weight transducer. The FMSS is a moment-sensitive reaction device that functions as a force vector filter; allowing the sum of vertically directed load forces to produce a change in measurement output while blocking all of the extraneous horizontal force vectors (belt tension, friction, torsional forces, etc.) that produce measurement non-repeatability and calibration drift. The FMSS also provides a means to mass counter-balance all dead load (weight of weigh bridge, belt, etc.) and provide overload capability so that load cell selection can be made based on the NET, rather than GROSS requirements of the application. This unique design provides a low cost of ownership as the weight transducer can be inspected and/or replaced without first having to remove the weigh bridge.

THAYER instrumentation provides intuitive operator interface displays and can be equipped with a variety of serial and/or device level interfaces for seamless integration with mill host supervisory control systems.