NPB Smart-End

Intelligent Load Measuring for Enhanced Conveying Performance. Smart-End is a wireless diagnostic tool designed to measure axial load and inclination in conveying systems for stacked shells and ends. It helps optimize conveying setups and secure good quality through data-driven insights.

Optimize Your Line Setup

Smart-End identifies high-load zones, misaligned pushers, and mechanical strain along the conveyor path. It enables quick verification after size changes or trackwork modifications, ensuring consistent handling, preventing potential damage, and supporting smooth operation. This helps reduce downtime and minimize the risk of quality issues in the finished products.

Intelligent Data Collection

Equipped with a built-in loadcell and an inclination sensor, Smart-End captures accurate mechanical data. All measurements are time-stamped and direct accessible via a web browser and easy to download but also stored to a Micro SD card, ready for export and further analysis, providing actionable insights.

Simple, Connected, Efficient

Smart-End features Wi-Fi connectivity (~10 m range), USB-C charging, and LED status indicators. Its robust, corrosion-resistant design ensures durability, while real-time feedback and one-page data visualization helps to act quickly and confidently.

Technical specification

Product data:
Diameter, dedicated size ...... from 200 to 401 shells/ends
Length .... 92 mm

Technical features:
Housing .... Aluminum, anodized
Wi-Fi …………………………………. 10-meter range
Charging .... USB-C
Data storage ………………………. Micro SD