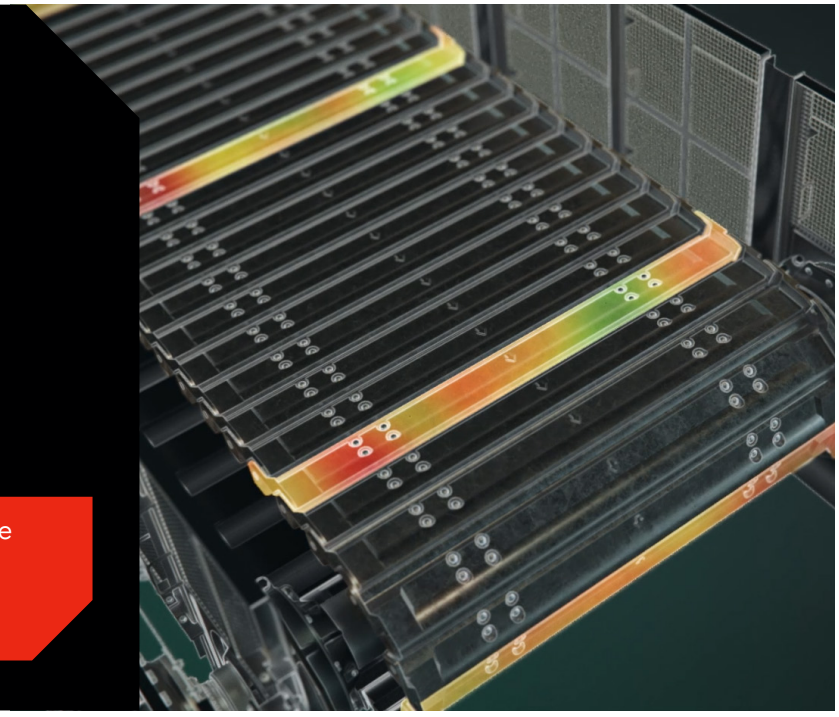
Metso

Bulk Material Handling

Apron feeder ICMS modules



Application

Highest safety, reliability and efficiency in the industry.

If your goal is to maximize your apron feeder's productivity and service life while minimizing unplanned outages and improving safety, Metso smart pans are your solution. Our intelligent condition monitoring system (ICMS) provides real-time data to keep you informed of your apron feeder's health. The smart pan wear detection module allows you to reduce downtime and extend maintenance intervals.

Know your feeder inside and out

Apron feeder pans are subject to significant impact and wear during operation. This can create the potential for material spillage and a hazardous operating or maintenance environment.

The apron feeder intelligent condition monitoring system uses real-time data to monitor feeder pan thickness. The smart pan allows you to understand the current state of pan wear.

The smart pan module uses proprietary wireless sensor technology to transmit real-time pan thickness and wear rate trends that allow you to anticipate remaining pan life. Planning your preventative maintenance shutdowns has never been easier!

Minimize safety risks

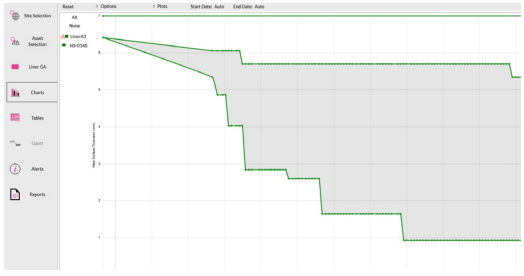
The cloud-based ICMS interface allows you to view your pans' existing condition at the feeder terminal or remotely via smartphone or tablet. Remote monitoring increases safety by reducing unplanned repairs and maintenance, as well as the risks associated with manual inspections.

Our smart monitoring technology takes the guesswork out of pan life and replacement scheduling by forming decisions based on real-time data.

Lower environmental impact

We drive the industry toward more responsible use of the world's natural resources. By using feeder pans to their maximum useful life, our ICMS tool reduces raw material consumption and reduces your operation's carbon footprint.

Read more at metso.com



Benefits

- Eliminate hazardous operating environments
- Minimize unplanned outages
- Maximize feeder pan service life
- Minimize and optimize inventory
- Lower environmental impact