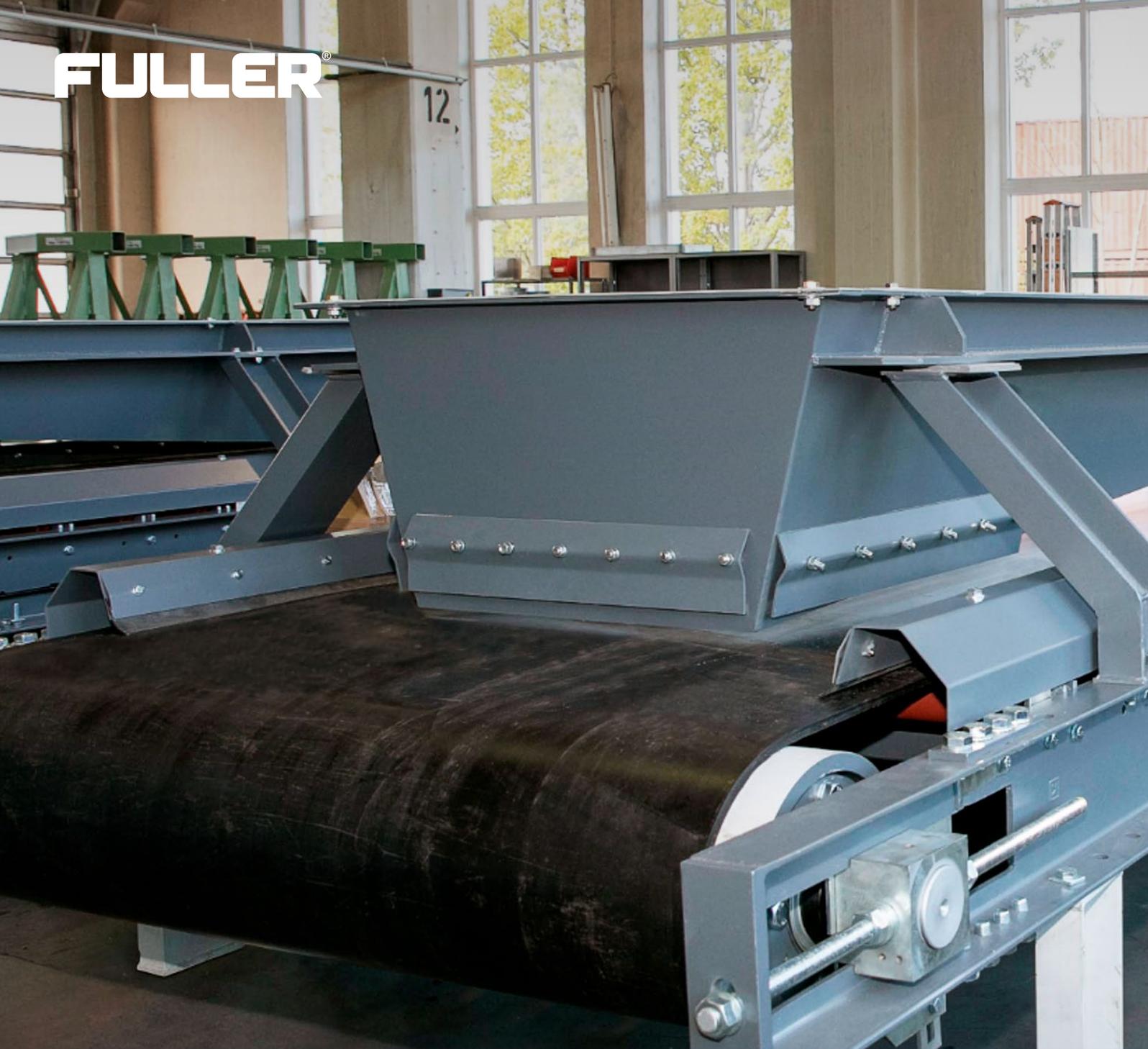


**FULLER®**



# ONLINE RELIABILITY SERVICES

FOR PFISTER® BELT WEIGHFEEDERS

# MONITORING AND EXPERTISE TO IMPROVE BELT WEIGHFEEDER PERFORMANCE AND AVOID UNPLANNED DOWNTIME

You rely on accuracy, consistency, and reliability for optimum productivity and profitability. Our PFISTER belt weigh feeders deliver just that, precisely dosing sticky, fine, or coarse materials in various lengths and widths to meet application needs. These robust machines are designed to thrive in harsh operating conditions. Adding online reliability services (ORS) ensures they do whatever comes their way.

Our Online Reliability Service for belt weighfeeders enables early identification of potential issues before they escalate. Multiple sensors installed on your weighfeeder transmit real-time data to our Global Remote Service Centre, where specialists continuously monitor the equipment for process abnormalities, component failures, and other operational deviations. By applying early-warning analysis techniques, including Rule Based methods, Condition Based monitoring, Artificial Intelligence and Machine Learning (AI/ML), and custom-created models, we identify when equipment failures may occur and recommend the appropriate corrective actions to optimize your weighfeeder's performance.

## KEY BENEFITS

**01**

Increase uptime  
and output.

**02**

Lower labor costs by  
transforming unplanned shutdowns  
into planned ones.

**03**

Extend equipment lifespan with  
improved preventive maintenance.

**04**

Reduce premium costs and services  
by having the right spares on  
site at the right time.

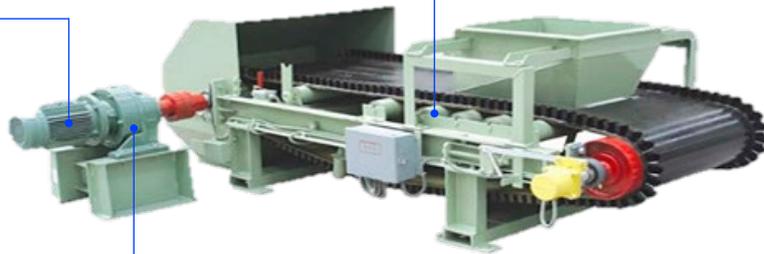
## PFISTER BELT WEIGHFEEDER

### Drive shaft and idler bearings

- Bearing failure: subcomponent failure, rotational looseness, lubrication problems, cocked bearing

### Motor

- Rotor failure: broken/cracked rotor bar, rotor imbalance, loose rotor, rotor bow
- Bearing failure: subcomponent, rotational looseness, lubrication problems, cocked bearing, structural looseness
- Stator failure: voltage imbalance, eccentricity, soft foot, phase loss, insulation and windings problems
- Misalignment
- High/low bearing temperature



### Gearbox

- Bearing failure: subcomponent, rotational looseness
- Tooth wear: cracked or broken
- Gear or motor misalignment
- Eccentricity and backlash
- Bearings: high tank/supply oil temperature, lack of cooling

### The OEM expert advantage

Many providers offer to monitor your equipment, but do they truly understand your Pfister weighfeeder? We have decades of experience installing, troubleshooting, maintaining, and optimising our weighfeeders. We have integrated that OEM experience and insight into our ORS. So, while others tell you what to worry about, we advise you how to solve recurring problems and enhance reliability. This includes extensive root cause analysis to prevent minor issues from escalating into major problems.

After all, your success is our success. Our OEM expert advisors support and coach your maintenance personnel to achieve excellence, delivering optimised maintenance planning and effective maintenance procedures.

### A comprehensive monitoring package

Our ORS use existing control system signals and additional monitoring systems, such as vibration,

optics, image processing, electromagnetic, ultrasonic, and oil analysis, to detect a range of abnormal conditions and component failures, delivering continuous insight into your bucket elevator's status.

### Implementing ORS

A Fuller project manager will oversee the delivery of any hardware required to provide the service. Your maintenance team will usually be able to install the sensors themselves; however, we can offer installation as an optional extra. After the Health and Usage Monitoring System (HUMS) is installed, we will come to you and commission the systems. Once commissioning is complete, the project manager will hand over to a dedicated service account manager, whose job is to support your maintenance department as their go-to contact whenever assistance is needed. The service account manager will initiate and drive the service to deliver on your KPIs, ensuring that you receive optimal value.

# HOW DOES ORS WORK?

