



ROSTA Digital

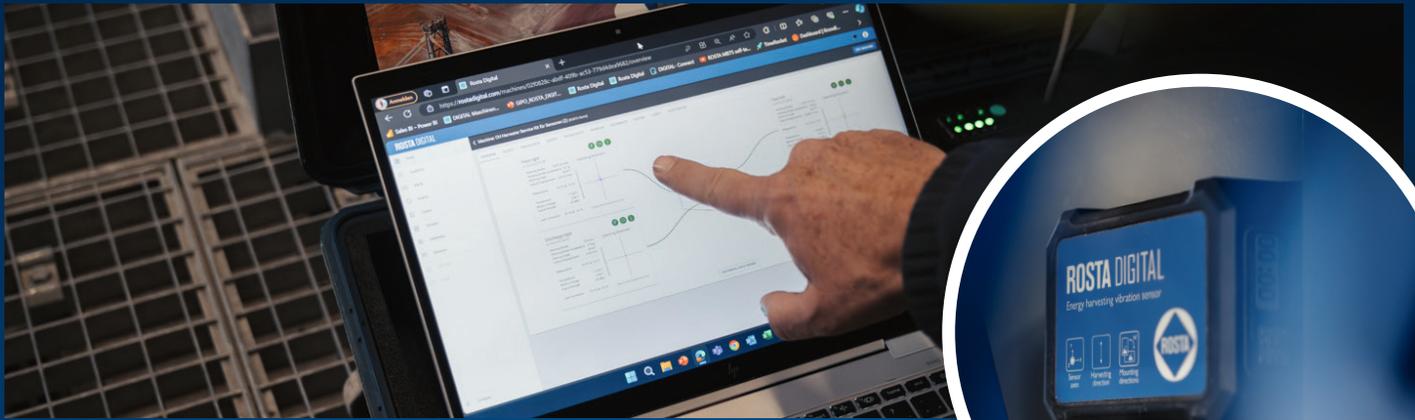
Machine monitoring to reduce costs and increase productivity

ROSTA Digital allows you to

- Make well informed decisions and timely actions
- Avoid unforeseen downtimes
- Ensure optimal functionality and performance
- Accumulate cost savings across multiple dimensions
- Analyze a easily readable digital dashboard
- Secure energy savings and safety enhancements
- Advance your operations with the time-synchronized, and energy-harvesting sensors



ENGINEERING
GOOD VIBES



Assess, acknowledge, address: The insights provided by machines are profoundly informative and should be treated with great importance. This approach is the only way to ensure lasting cost reductions based on a total cost of ownership.

Makes machine understandable and change visible

ROSTA Digital makes the machine tell its story and reveals its behavior. The consistent observation of the machine's performance and atypical behavior are clearly displayed allowing the user to keep the machine running at its optimal performance. The monitoring system empowers users to make well informed decisions and timely actions based on the machines changed behavior that is identified using the software. ROSTA Digital is ideally designed for ongoing performance monitoring using the harvesting sensors.

Digital Dashboard

The dashboard was developed for monitoring screening plants.

- Specific screening and classifier parameters are already calculated and displayed in a simple, clear and user-friendly way.
- No software installation required.
- The dashboard can be used on all end devices with a browser.
- Several languages are supported.



Monitoring System

Specially designed for optimal performance in all screen and classifier applications, vibrating conveyer and feeders; these 1- and 2-mass systems that incorporate springs, rubber buffers, air springs, ROSTA elements, fiber slats.

- Supports and relieves the work load for the plant operator, OEM and MRO
- Consists of sensors, transmission devices and a display platform
- For stationary and mobile applications

Harvesting Sensors

- ROSTA Digital sensors feature a unique and patented energy recovery capability that eliminates the need for an external power source, making battery replacements unnecessary.
- For sustained long-term use or fixed installations, the harvesting sensors are designed for screens that undergo accelerations exceeding 1.5 [g] and operate at machine speeds between 600 and 1300 [rpm]. Within this operational range, the charging system maintains the internal battery's charge.
- In the absence of charging, the internal battery has a lifespan of approximately 3 days, making it adequate for short-term measurements.
- **All measurements from the wireless system are synchronized in time across all connected sensors with a precision of less than 1 millisecond.**
- Measurements can be recorded across a frequency range of 0 to 1600 Hz, utilizing three axes.



Want to
know more?

Ask us about **ROSTA DIGITAL** and how we can help you
optimize your processes today – for tomorrow.

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