Condmaster® 2026

UPGRADE BENEFITS

Condmaster 2026 is a highly flexible, AI-powered diagnostic and analysis software offering unique condition monitoring functionality and process optimization capabilities. The new release brings a broad range of enhancements designed to support industrial process efficiency, improve user experience, and expand data analysis capabilities. The improvements focus on practical usability and support for advanced analytics, including continued development of AI-powered functionality – a testament to SPM's ongoing commitment to innovative use of condition monitoring data.

Process optimization milestones

- Advanced dashboard capabilities for more intuitive and actionable insights.

*The **Pump performance** dashboard.*

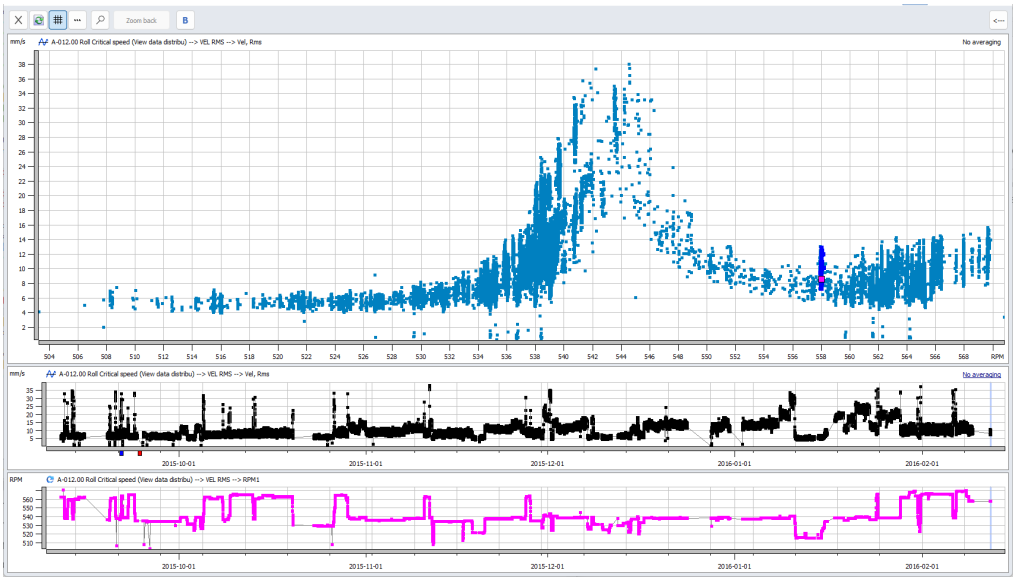
- Energy efficiency and wear monitoring for pumps, contributing to both sustainability and predictive maintenance.
- Powerful algorithms generate insights that can be seamlessly integrated into higher-level control systems, enabling more efficient and responsive process control.
- Application-specific enhancements in areas such as wood chipping processes and centrifugal pump optimization, leading to better performance, significantly higher energy efficiency, and reduced downtime.

AI & decision support

- Integrated AI Agent in the **Spectrum** window, enabling contextual discussions based on the displayed data. The agent can analyze and respond to questions about the spectrum, time signal, phase, symptoms, and more, helping users interpret results, identify patterns, and explore potential root causes directly within the analysis view.
- Continued refinement of the well-received **Decision Support System** (DSS).
- Baselines can now be created from existing measuring data, eliminating the need for dedicated training periods and reducing setup time and complexity.

Enhanced analysis tools

- Continued emphasis on streamlining and accelerating the analysis process, helping condition monitoring specialists focus on deviations and anomalies.
- The **Graphical Overview** now provides enhanced real-time insight into measuring point status, including automatic icon updates when data is no longer received.



Data Distribution graph showing vibration levels varying with RPM and indicating critical speed.

- The new **Data Distribution** tool enables relationship analysis between variables and supports more effective configuration of alarm thresholds. New machine symptom parameters, such as spectrum line and phase line, provide deeper insights into system behavior.
- Filtering enables customized views to display, for instance, all measuring points with alert or alarm status.

Performance, integration, and user experience

- Further development of our powerful API allows for faster access to large volumes of data and broader integration capabilities.
- The extended and enhanced **Search** function is now available in many more software locations, simplifying usage and enabling more effective handling of large data sets.
- Significant improvements in performance, including much more efficient data retrieval in **Graphical Evaluation**.
- **Multichange** functionality now supports a wider range of objects, making configuration more efficient.
- **Staggered parallel measurement** enables high-speed execution of multiple measuring assignments, increasing overall system capacity.

Collaboration and system integration

- Application link support improves collaboration by allowing users to share direct links to specific locations within the software (e.g., measurement points, settings, and analysis state for the location, such as the **Spectrum** window) with others accessing the same database.
- Support for the latest Windows Server and desktop editions.
- Single-sign-on options when using the internal User Directory.
- New synchronization logic between remote installations (such as vessels at sea) and a centralized CES installation improves automation and reduces manual steps.