SCHAEFFLER SMART ECOSYSTEM

Added value through digitalization



The digital revolution and the linking of components and systems increases the efficiency of machines and equipment.

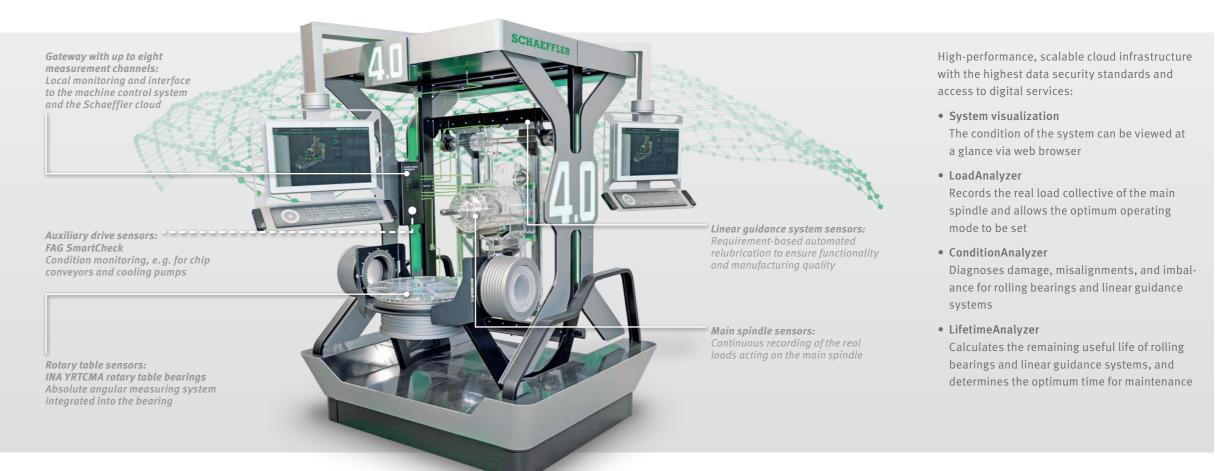
Schaeffler is shaping the field of digital transformation with a clear vision and specific solutions.

Our Smart EcoSystem offers a standardized hard and software infrastructure from components equipped with sensors through to digital services and business models:

- You can reliably and precisely gather important data for controlling processes and machine monitoring with sensors and mechatronic products from Schaeffler.
- Use Schaeffler's unique domain expertise in the form of digital services to automatically generate relevant information from the collected data and to receive specific recommended actions.
- Benefit from our digital solutions such as the Machine Tool 4.0 and use these solutions in a targeted manner to control processes, maximize availability, and optimize product quality.

CONDITION MONITORING FOR MACHINE TOOL 4.0

Setup and function



ENHANCE AVAILABILITY - INCREASE PRODUCTIVITY

Predictive Maintenance for Machine Tool 4.0

Schaeffler's multi-channel condition monitoring system provides a modular condition monitoring concept for Machine Tool 4.0. In addition to central drive components like axes, feed drives, and spindles, functionally critical auxiliary drives such as hydraulic motors can also be monitored. The components and sensors are designed for the restricted design envelope of machine tools.

Products and measuring systems from other manufacturers can also be flexibly integrated into the overall system in addition to Schaeffler's productivity.

own sensors and mechatronic systems. Our solution thus provides holistic condition monitoring and prognosis for key components in the machine tool using a single monitoring system.

Connecting to the Schaeffler cloud makes all of Schaeffler's digital services easy to access and use.

You can benefit from our digital solutions for machine tools and increase both availability and productivity.

The advantages at a glance

- Eight measurement channels
- Monitoring of key components and functionally critical auxiliary drives
- Sensors and measuring systems from other manufacturers can be integrated
- Schaeffler's digital services can be used by connecting to the Schaeffler cloud



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