



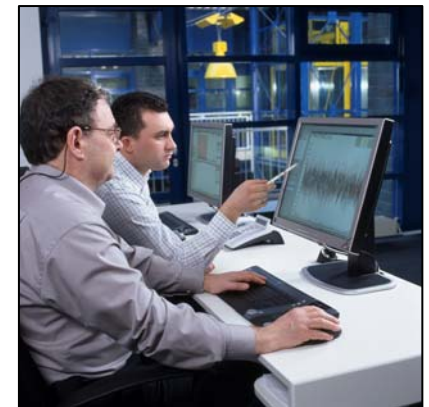
FAG ProCheck

Product Presentation



FAG ProCheck - simple, intelligent, reliable

- Vibration diagnosis
- FAG ProCheck – Functions
- FAG ProCheck – Service
- FAG ProCheck – Advantages



Fields of application

- Monitoring of rotating machine elements in almost all industries, for example
 - paper
 - steel and aluminium
 - raw material excavation and mineral processing
 - energy production
 - oil and gas
- In rough conditions and in potentially explosive environments



- Especially suitable for detecting rolling bearing damage, resonance problems, imbalances and misalignment, for example in:
 - rolling stands
 - gearboxes (gears)
 - generators
 - paper machines
 - cement mills
- Provides reliable information about a machine's condition



Progress of damage



Machine failure



Noise

Early detection by FAG ProCheck



Advance warning period



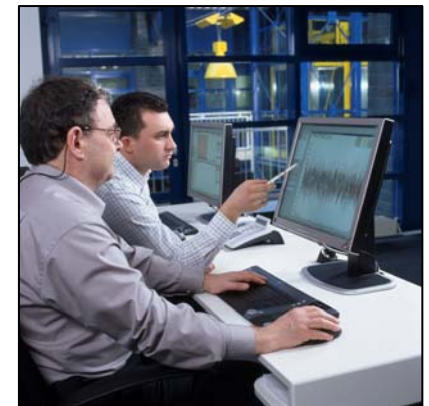
Time

Your benefit ...

- Meaningful information about the condition of your machines
- A higher level of plant availability
- More efficient planning of maintenance activities
- The method helps to safeguard product quality
- Prevention of production losses



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Hardware

- Based on National Instruments' (NI) hardware platform CompactRIO
- Use of proven analysis methods (broadband parameter monitoring and frequency-selective monitoring)
- Large number of analog and digital inputs and outputs
- Large memory
- Modular design thanks to novel expansion slot system
- ATEX certification and rugged design



Software

- Easy to set up and easy to operate
- Easy data collection
- High level of data security thanks to SQL database (Microsoft SQL server)
- User administration

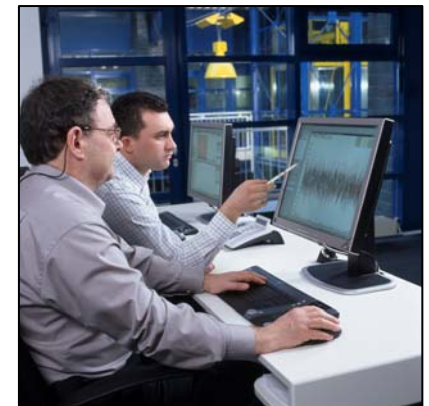


Software

- Manifold analysis and representation options
- Modular software structure:
 - F'IS Configuration Manager
 - F'IS Data Manager
 - F'IS Data Link
 - F'IS E-Mail Link
 - F'IS Remote Server



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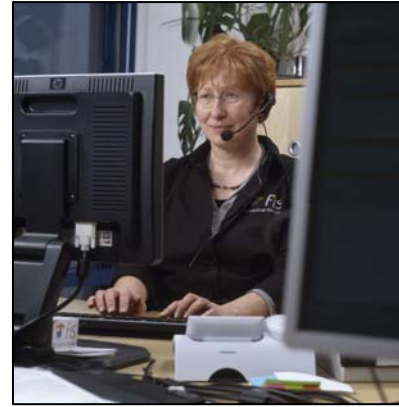


Teleservice

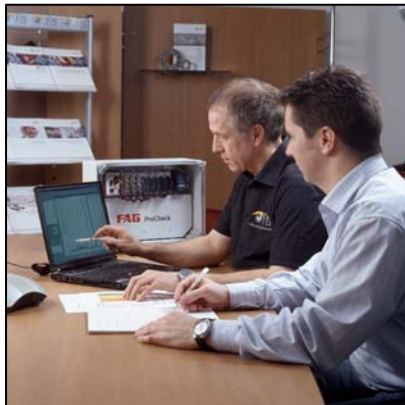
for remote configuration and remote analysis of the measured data



Support hotline



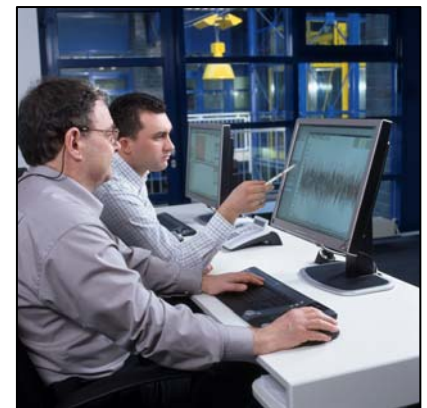
Training



Free software updates



- Vibration diagnosis
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- Early detection and prevention of damage
- Multi channel measurements and analysis of the results
- Compact and robust design
- ATEX certified for use in many different industry sectors
- Intelligent algorithms for analysing measured data



- Various communication interfaces and connection options
- Data storage on flash disk ensures high reliability and security
- Combination of different monitoring parameters for increased reliability



Questions?

Please get in touch ...
We will be happy to advise you!

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