



Your Benefits:

- Rapid lowering of **unplanned shutdowns** and production failures by early diagnosis of machine damages
- Avoidance of "**fire fighting**" repairs and possibility of long-term planing of the repairs
- Avoidance of **costs intensive machine damages** by recognizing of faulty conditions in good time
- Avoidance of resulting **subsequent damages** by recognition of initial damages
- Lowering and planing of the **spare part stock**, in particular for expensive components
- Rise of the **reliability of the machinery** and minimization of the costs risks
- **Extension of life time** of machines and parts
- **Secured continously operation of machines** with damaged components by monitoring
- Rise of the **security standard** for the operating staff
- Permanent available **topical overview** about facilities state and machines state
- Improvement of **production process** by focused monitoring of critical parameters
- **Quality improvement** by monitoring of process parameter or by serial testing

Our Achievements:

- Appreciation of the **failure risks** in seperated machine classes of the machine park
- Recommendations of **diagnosis and monitoring strategies** in machine classes
- **Machine vibration diagnosis** on site:
 - Machine-, rolling bearing -, gear diagnosis
 - Machine balancing
 - Laser-optical alignment
 - Structur analysis (natural vibration problems)
- Introduction of **monitoring systems**:
from the advertisement up to diagnosis
 - Data collector - Single-channel units -
 - Online systems - Special systems -
- **Training** of the evatuation of overall values and the signal analysis up to sign patterns:
 - Evaluation of condition of machines and components with overall values
 - Failure and damage diagnosis with signal signs
 - Sign pattern for damage pictures
 - Structural analysis of components
- Offer of documentations and **tools for diagnosis** and monitoring
- **Tele diagnosis** with systems capable of Internet
- **Phone support** to the diagnosis of signal data
- Free **information** about vibration on homepage

+++++ You can find useful diagnosis tools in our online shop on <http://www.vibrodiagnose.com> +++++

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Consulting, training and service on side