CONDITION MONITORING
EXPERTISE FOR EVERY INDUSTRY

RELIABLE ONLINE
AND PORTABLE SOLUTIONS
FIRST CLASS VIBRATION ANALYSIS
GEAR AND BEARING MONITORING

Australian / New Zealand Distributor---------
Machinery Vibration Specialists Aust P/L
121 St. Johns Avenue GORDON NSW 2072
Ph: +61-2-9880-2422  Fx: +61-2-9880-2466
Em: mvs aust@ ozemail.com.au
SPM solves maintenance problems, across the world and in all branches of industry. We provide all you may need to become your own condition monitoring expert.

We offer a wide product range from high-tech portable instruments to online systems and a comprehensive software. Our intelligent solutions are cost-effective, modular and complete. They make an excellent foundation for a proactive approach to maintenance, integrated in your normal maintenance activities and providing you with an overall picture. On your request, we will put together the monitoring equipment and training package best suited to your economic and technical requirements.

We have the organization and the expertise to increase the availability and profitability of your production equipment. Qualified sales, service and support representatives in more than 50 countries look forward to helping out.

Try us! We promise we won’t let you down.

SPM Instrument AB
Leonova® Diamond
Brings fast and powerful analysis and troubleshooting to your condition monitoring program.

Leonova Diamond is a portable instrument for condition measurement in rough industrial surroundings. This heavy-duty yet sophisticated instrument offers a powerful combination of measuring techniques for every situation. Providing maximum value, performance and control, Leonova Diamond is the ultimate tool for the advanced vibration analyst.

- 3 channel simultaneous vibration monitoring
- Up to 25600 line FFT spectrum
- Frequency range DC to 40 kHz
- Dual plane balancing
- Orbit analysis
- Laser shaft alignment

Leonova® Emerald
The ideal frontline measurement tool for maintenance engineers and technicians.

Leonova Emerald takes the hassle out of managing large measuring routes and recording vast amounts of measurement data. The instrument is lightweight, ergonomic and easy to operate.

- Up to 12800 line FFT spectrum
- Vibration DC to 20 kHz
- Instant condition evaluation
Optimal flexibility and greater efficiency

The Condmaster® software is module built and can be tailored to your requirements.

Condmaster contains the expert knowledge needed to evaluate machine condition: a complete bearing catalogue, lubricant data, bearing life calculation, evaluation in green - yellow - red, ISO limit values, spectrum and time domain analysis, fault symptom detection, and much more.

Powerful graphics provide a clear overview and visualization of measurement results. A range of flexible features to customize work flows and manage the analysis of condition measurement data gives an efficiency boost to the daily work of engineers and analysts.

- Easy set-up and navigation
- Clear graphical overview
- Instant evaluation in green - yellow - red
- Web and email alarms
- Data import and export functions
Cost efficient online condition monitoring with extensively proven measuring techniques

Intellinova® combines complex measuring techniques and advanced data processing with a user friendly interface and an array of options for individual system customization.

Intellinova is an online condition monitoring system where proven methods and modern technology meet to ensure highest possible uptime of critical assets.

The system is robustly designed in every aspect. The hardware is sturdy and well suited to harsh industrial environments and long-term use. Software components have been carefully designed and selected to create a system for the future, with ample opportunities for inter-system communication.

Intellinova is available in various shapes and sizes for different needs.

• Handles thousands of measuring points
• Flexible alarm management
• Ethernet or wireless communication
• OPC Data Access

Intellinova Parallel MB is a small and robust condition monitoring unit for parallel measurement on multiple channels, providing instant machine condition evaluation.

The unit is available in two versions; either for vibration measurement - with optional shock pulse measurement via the DuoTech accelerometer - or for shock pulse measurement only.

Intellinova Parallel MB can operate as an offline device or be integrated into existing industrial automation systems via Modbus RTU.

• Parallel measurement
• Exceptional response time
• Quick view of operating condition
• Pre-programmed configurations
• DIN rail mounting
**BearingChecker**

**for fast measurement of bearing condition**

The instrument measures shock pulses with a built-in probe and machine surface temperature with an infrared sensor. Measurement results are immediately and automatically evaluated in green - yellow - red.

**VibChecker**

**for vibration measurement in the 10-1000 Hz range**

With its built-in probe, easy operation and clear symbols, this is an all set to go instrument; just press the probe and measure to locate vibration-related problems. Instant evaluation against ISO standard is indicated in green - yellow - red.

**Electronic Stethoscope**

Quickly locate the source of abnormal mechanical noise on your machines.

The stethoscope is a practical and easy-to-use listening device with excellent sound quality for locating the source of mechanical noise in a broad range of applications. Bearing condition, gear and pump noise and electric relay operation are just a few of the many sounds which can be identified, amplified and assessed.

**Accessories**

An extensive line of transducers and installation accessories for tough environments.

The DuoTech® accelerometer is a single transducer solution used for vibration measurements or shock pulse measurements, or both in combination. It provides maximum flexibility to select the best measuring technique for a given type of problem or application.

The SOLID transducers are high performance vibration transducers for a large variety of applications. SOLID transmitters provide a 4-20 mA output signal that can be transferred to common process control systems.

We also offer a wide range of shock pulse transducers for bearing monitoring.
High Definition measuring technologies

Condition monitoring with our High Definition (HD) technologies provides extremely long pre-warning times, thus maximizing the planning horizon for maintenance and repairs.

**HD ENV**

The patented HD Enveloping technology is a new era in vibration monitoring. It enables the detection of impact related events very early on in the damage process, making it possible to closely monitor the development throughout the stages. Exceptionally clear spectrums and time signals make it easy to identify gear and bearing faults.

HD Enveloping can be used to monitor applications running at very low to extremely high RPMs. The technology can be used with existing vibration transducer installations and thus quickly and easily integrates into existing industrial infrastructures.

**SPM HD**

The much acclaimed SPM HD® shock pulse measurement technology is a patented further development of the Shock Pulse Method® (SPM) providing reliable information on the lubrication and mechanical condition of bearings. Instant evaluation of bearing condition is given in an easily understood green - yellow - red colour scheme.

Advanced digital technique and RPM-based sampling frequency makes SPM HD suited for measurement in a very broad RPM range, even on ultra low speed applications, ranging from 0.1 RPM and upwards.

In addition to our HD technologies, we offer a wide range of methods and aids for troubleshooting and root cause analysis. Our highly skilled personnel will help to make the right choice for you and your company based on your economic and technical requirements.

***SPM Academy***

We offer qualified training for all production and maintenance personnel who are involved in different ways in condition monitoring of rotating machinery.

The objective of our training courses is to enable your own personnel to carry out measurements, evaluate the results and make well grounded decisions. The purpose is to secure and make production more efficient. SPM Academy provides standardized courses as well as customized training. SPM Instrument is an accredited official Mobius Institute Training Partner for Sweden, and offers ISO certified CAT I, II, III vibration analysis training.