



Predictive Maintenance Services

MISTRAS Services Division provides both standard and innovative nondestructive testing solutions including a variety of PdM (Predictive Maintenance) services and Vibration PdM/RBM (Reliability Based Maintenance) Walk-Around Programs, Infrared Thermography Surveys, Oil Analysis, Ultrasonics, Motor Condition Monitoring and Strain Gage Materials Testing and Stress Analysis. In addition we also perform factory and on-site third party acceptance testing, installation of permanent vibration sensors, on-line monitoring systems and complete engineering root cause analysis. This part of MISTRAS Services Division also offers technical engineering services and supplies training with certification in the predictive maintenance industry.

Engineering and Technical Maintenance Services

We have implemented the latest predictive and proactive technical maintenance services such as:

- Vibration PdM/RBM Walk-Around Programs
- Infrared Thermography Surveys
- Lube Oil Analysis Programs
- Acoustical Testing, Analysis and Design
- Ultrasonic Keak and Bearing Fault Detection
- On-site Dynamic Balancing
- Factory and On-site Third party Acceptance Testing
- Complete Engineering Root Cause Analysis
- Advanced Vibration Testing
- Motor Condition Monitoring
- Sub-Station/Transformer Diagnostics
- Strain Gauge Materials Testing and Stress Analysis
- Installation of permanent Vibration Sensors and Monitoring Systems



Minimizing downtime and maximizing production guarantee an immediate return on your investment with the expertise of our engineering and technical services.

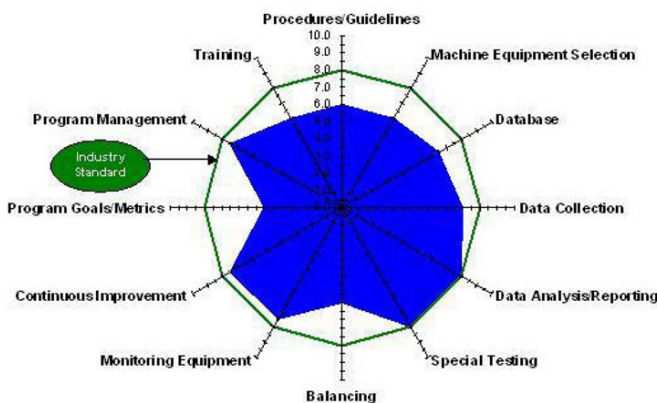
Here are some typical results:

- Lower your maintenance costs by 50%
- Reduce machinery downtime by 80%
- Increase your production by 25%
- Reduce overtime premiums by 70%
- Lower your PdM setup time 80%
- Increase your profit by 40%

In-house Predictive Maintenance Training and Assessments

Diagnostic techniques are taught on your plant equipment and you receive PdM training while we solve your machinery problems. Advanced training is also provided to heighten your knowledge of Machine Condition Monitoring with a level of awareness for all predictive technologies. Our technology assessments validate your PdM program and maintenance practices and benchmark them to world class standards while identifying potential maintenance and operation problems.

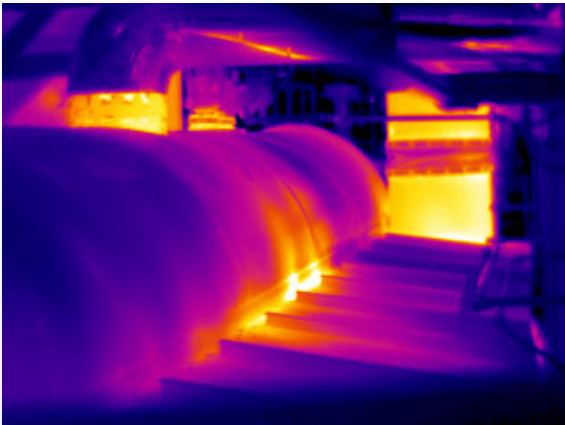
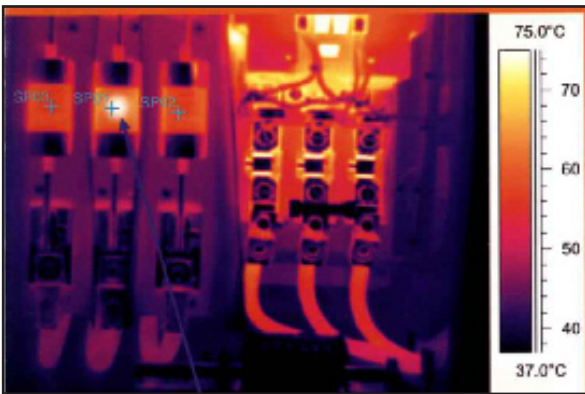
Vibration Program Assessment



Program Implementation

We have fully developed PdM procedures and training guides with a world class program utilizing Failure Modes Effects Analysis (FMEA) and Reliability Center Maintenance (RCM) methods. Experts in PdM database construction and management with data collection, exception reporting, analysis and documentation.

With our proactive maintenance schedule and special testing and survey adjustments, we objectively direct you to appropriate diagnostic equipment. We are able to assist you with purchasing equipment for the least amount of capital investment and perform a cost benefit analysis of your program.



Industries Utilizing our Services

- Pharmaceutical and other manufacturing Facilities
- Refineries, Chemical Plants and other Process Industries
- Paper, Packaging and Printing Industries
- HVAC, plus other Design and Construction Projects
- Nuclear and Fossil Electric Power Plants
- Hydro and Co-Generation Plants
- Breweries, Canning and Bottling Facilities
- Railroads and other Government Agencies
- Hospitals and Office Buildings
- Steel Foundries and Metal Rolling Industries



Satisfied Customers:

- Anheuser-Busch
- Exelon Nuclear
- Sanofi-Aventis
- TVA
- Imclone
- FMC BioPolymer
- Rohm & Haas
- US Steel
- United States Navy
- General Electric
- Exxon Mobil
- Buffalo Air Handling

This technology is performed using vibration sensing products manufactured by a member of our Products & Systems Division, Vibra-Metrics. MISTRAS Services, a member of MISTRAS Group, Inc. is a team of skilled researchers, engineers, technicians and manufacturing personnel dedicated to the development of practical and cost saving solutions to your challenging inspection needs.



For assistance or additional information, please contact our headquarters at 609-716-4150 or via email at: sales.systems@mistrasgroup.com.

195 Clarksville Road, Princeton Junction, NJ 08550 USA
Phone: (609) 716-4150 • Fax: (609) 716-4155
Email: sales.services@mistrasgroup.com • www.mistrasgroup.com