

PREDICTIVE MAINTENANCE

Vibration Analysis & Predictive Maintenance on your Critical Equipment

As industrial process equipment becomes larger, more complex, and more expensive the need for new and better techniques to monitor your equipment's health is increasing in demand. Industrial plants typically utilize one of three types of machinery maintenance: breakdown, preventative, and predictive.

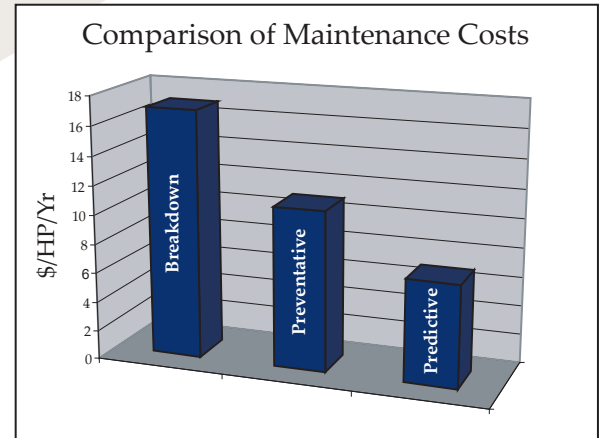
Breakdown maintenance is essentially no maintenance at all, specifically running the equipment until complete failure. Unfortunately, this kind of maintenance tends to lead to untimely, extremely expensive, and even catastrophic failures.

A preventative maintenance program involves periodic disassembly, inspection and replacement of worn parts. Although better than breakdown maintenance, this approach to machinery maintenance also has distinct disadvantages. Primarily, to periodically disassemble every critical piece of equipment can be expensive and time consuming. Furthermore, the interval between period inspections can be difficult to schedule. If the program is successful in avoiding all machinery failures, it may be that the interval is too short; wasting time and money. However, if the interval between inspections is too long, costly failures may still occur.

Fortunately, Horner Industrial offers a predictive maintenance program which involves the trending and analysis of machine condition to detect and identify developing problems before failure and extensive damage occur. With a predictive maintenance program you will be able to avoid costly failures and get the maximum performance for your equipment dollar because you won't need to schedule machinery rebuilding before the end of its life.

It is inevitable that all equipment will deteriorate, but by implementing a predictive maintenance program and maintaining your machinery by monitoring and diagnosing potential problems, we'll work with you to keep your machines operating smoothly and avoid those inconvenient, costly, and disastrous failures.

Contact our offices for quotes and information regarding monthly vibration programs and advanced services.



Predictive maintenance is the most cost effective maintenance practice. When intelligently applied, predictive maintenance costs can significantly reduce your maintenance costs.

This savings will typically repay your annual predictive maintenance cost in the first quarter. Depending on your hourly downtime costs, a single accurate prediction may cover your predictive maintenance cost for the entire year!

EMDS has over 50 years of experience in the application of vibration analysis as a predictive maintenance tool. We can help you develop and effective and efficient vibration analysis program.

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