



OEM

VIBRATION DIAGNOSTICS AND FAILURE VISUALIZATION

Dynatrend is offering services related to instant alerting and reporting of:

- Vibration
- Machine resonances
- Component rub
- Shaft rub
- Blade rubs
- Blade resonances
- Component fretting
- Flow instability
- And more.

The way of performing such measurements, performing auto diagnostics, integrations to OEM infrastructure for example, is a part of the future way of utilizing detailed and embedded diagnostics, documentation and digitizing of complex machinery.



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Important features:

- Detailed auto-generated data for Test-cell and general mechanical testing
- Detailed data for further developments and product maturing
- Efficient diagnostics for field machines
- Detailed data for reverse engineering
- Detailed data from end-user running schemes, how it affect the machine mechanically.
- Cost effective monitoring solutions for remote areas with poor communication links
- Embedded diagnostic systems connected to control systems and control logics providing auto corrective soft machine protection parameters.
- Embedded Dynatrend monitoring can possibly run on the OEM already existing acquisition hardware systems.
- Dynatrend can provide the IP, configurations, and technology transfer for applications embedded to existing OEM systems. This can typically be founded upon commercial agreements.

Benefits:

- Provides with a fast feedback of mechanical behaviour after modification to the machine design.
- Reduce risk for releasing machined to the customer with potential mechanical anomalies
- Short turnaround time for rectifying vibration reject machines.
- Keep a good track of the balance of clearances and tolerances in the machines during shop test and aging in the field. Keep a track of events opening up clearances.
- Have a good overview of reliability treats that can cause down time at the end user.

Return of investment:

- Limit risk for machinery damages during testing, commissioning, and warranty periods.
- Reduce time and effort for problem solving by having detailed diagnostic data
- Strengthen the potential of following up on field machines, providing thorough advice and guidance for limiting asset losses for end user.



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