

# MACHINERY DYNAMICS AND DIAGNOSTICS

## PRODUCT BROCHURE

*Complex problems affecting production output, reliability or safety can take time to work through and resolve, however when your asset is down you need the solution yesterday. We understand the importance and urgency of finding the right solution to your complex problems and are equipped with the hardware and expertise to identify issues affecting plant operation, provide the right fix and get things back on track.*

From high-speed machinery such as steam & gas turbines, pumps, fans & compressors, to conveyor drive and reeving systems, we can simultaneously monitor and analyse a multitude of machine operating variables to paint a picture of the current operation of your equipment, diagnose problems and apply the right fix.

We aim to provide a solution that is permanent so as to eliminate the defect, and continuously improve equipment reliability throughout its lifecycle.

Typical application includes power generation assets: steam & gas turbines, pumps, fans, compressors, cooling, vacuum, condenser, power distribution systems, statutory plant & materials handling.



## SERVICE OFFERING

- Multi-channel, fixed & variable speed vibration analysis
- Multiplane balancing
- Turbo machinery, gas & hydro turbines, compressors
- Critical plant defects requiring specialised testing, analysis & investigation
- Structural vibration analysis & investigation
- Operating Deflection Shape (ODS)

## BENEFITS

- Timely reaction and turnaround time
- Reduced downtime
- Geared towards permanent solutions
- Continuous improvement of plant reliability