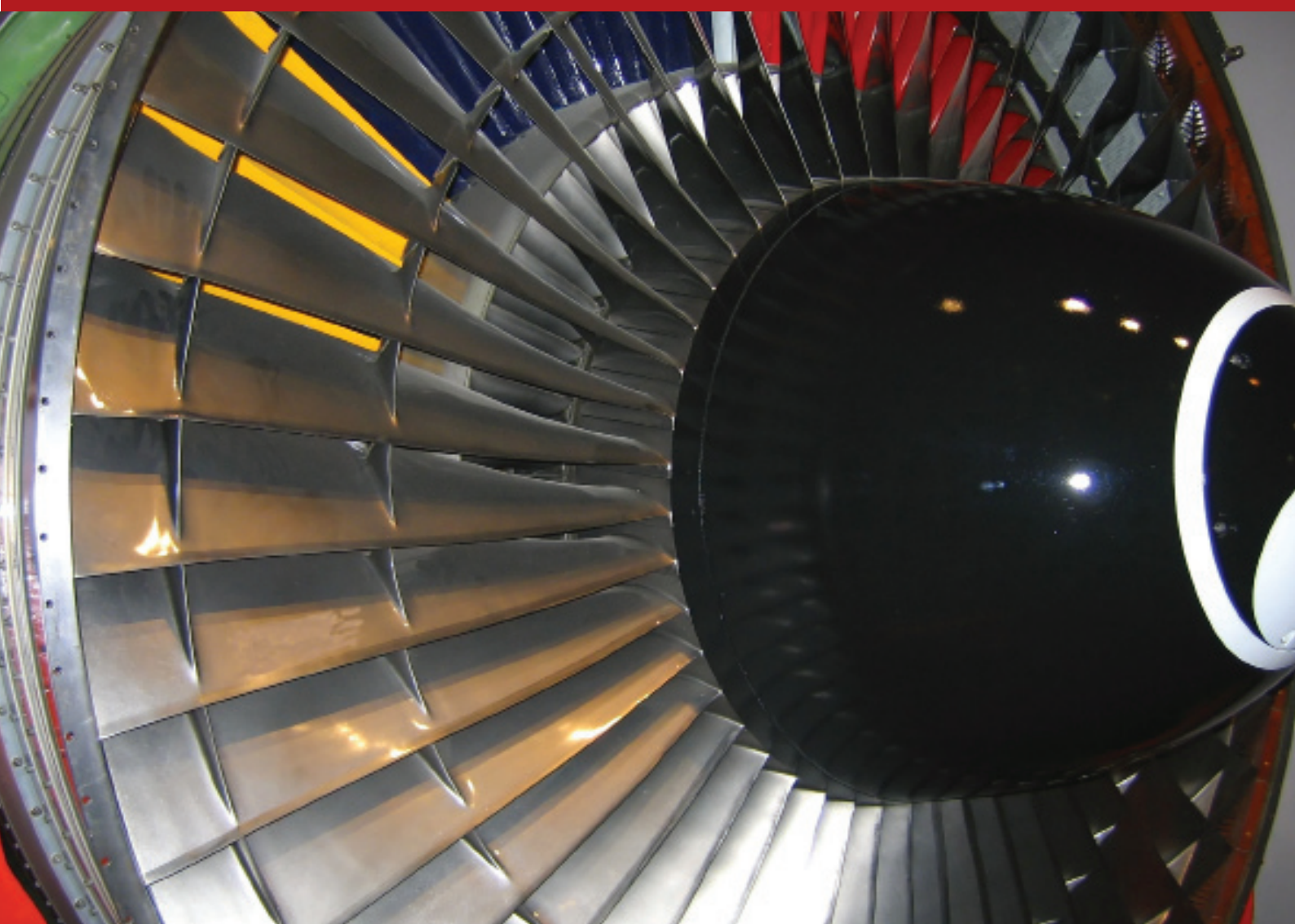


# Promon

Real-time Rotating Machine Monitoring

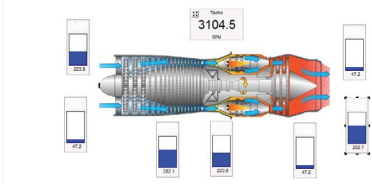


**PROMON provides the tools for performing real-time monitoring of rotating machines in a test environment.**

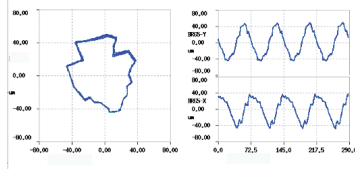
**Development of modern high value machines such as engines, turbines and compressors requires extensive testing. The development of fully instrumented test rigs is expensive and testing can be time consuming. To help improve efficiency, online, real-time monitoring is required for safety purposes, to observe critical parameters during testing and to make any subsequent offline analysis as efficient as possible.**

Operator feedback during the test is vital to prove that experiments have been performed successfully and that the required instrumentation is working and giving expected results. Efficient online signal analysis and monitoring means that test parameters can be changed quickly and experiments adapted during the test program. It can also improve efficiency by targeting subsequent offline analysis and in some cases removing the need for further processing completely.

These features and more are provided by the PROMON additions to DATS Acquisition.



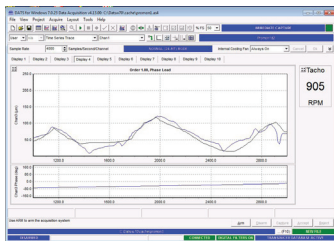
Machine diagrams & bar charts show instantaneous values for vibration and process parameters. Individual alarm limits can be set for each



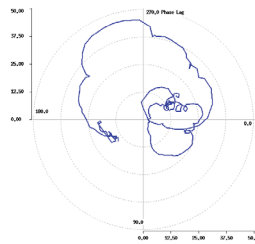
Orbit diagram and time history displays for X-Y transducers



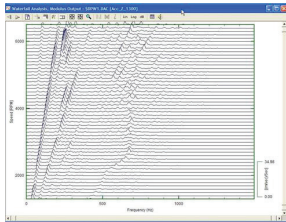
Find out more about Human Response Biodynamics at



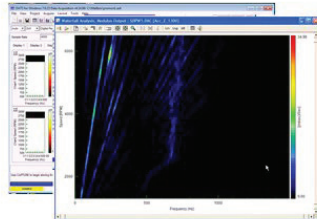
Order Trends with phase versus speed or time and comparison with reference datasets



Order amplitude and phase shown as vector or polar diagram



Waterfall display versus speed or time. Spectrum can be complex (Full FFT) for perpendicular probes



Intensity plot. Multiple channels can be shown, user decides which to maximize for detailed view

@prosig on Twitter



facebook.com/prosig



linkedin.com/company/prosig



youtube.com/user/TheProsig



## DATS Promon Software

### Features

- Machine diagrams
- Warning and Alarm Limits
- Waterfall/Intensity plots
- Full Spectrum
- Reference data comparisons
- Thumbnail displays with maximize selection
- Numerical Panel displays
- Order Track Amplitude and Phase
- Vector/Polar Diagram
- Orbit Diagrams
- Channel Overview
- Record option for offline analysis

## Contact Prosig

**Prosig Ltd (UK)**

Email: [sales@prosig.com](mailto:sales@prosig.com)

Phone: +44 (0)1329 239925

**Prosig USA Inc**

Email: [prosigusa@prosig.com](mailto:prosigusa@prosig.com)

Phone: +1 248 443 2470