Are you considering structural analysis on your rotor blades?

Then the latest Prosig Turbine Blade Resonance Test System is just what you’ve been looking for.

When an unexpected failure occurs the effects can be wide ranging. In extreme cases, they can even be catastrophic. Maintenance staff focused on repairing and returning machines to service may not address the fundamental cause of a failure. This leads to repeated failures and ongoing poor reliability.

Ask yourself – what are these blades really doing?
Do you really know how your turbine blades are performing? Considering structural analysis on your rotor blades?

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You can go one step further and visualise the deflection of the rotors using the Prosig Structural Animation package.

The Prosig software leads you through the test and takes care of the complex issues such as windowing, frequency range and so on. What’s more the automated peak picking algorithm will find the modes automatically for you. Exporting test results to Word or Excel for FEA validation is all included.

**Turbine Blade Resonance Test System**

**Hardware**
Prosig P8004
- 24-bit
- 4 channels plus tacho input
- Up to 400k samples/sec per channel
- Dynamic range: 105dB
- Noise floor: -120dB

**Software**
Prosig DATS Hammer Software
- Frequency Response Functions
- Double Impact Detection
- Accept/Reject by User
- Automatic Averaging
- Report Generation
- Word/Excel Export

**Options**
Sensors Option
- Instrumented Hammer
- Accelerometer(s)

Modal Animation Option
- DATS Structural Animation Software

**Contact Prosig**

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ISO 9001