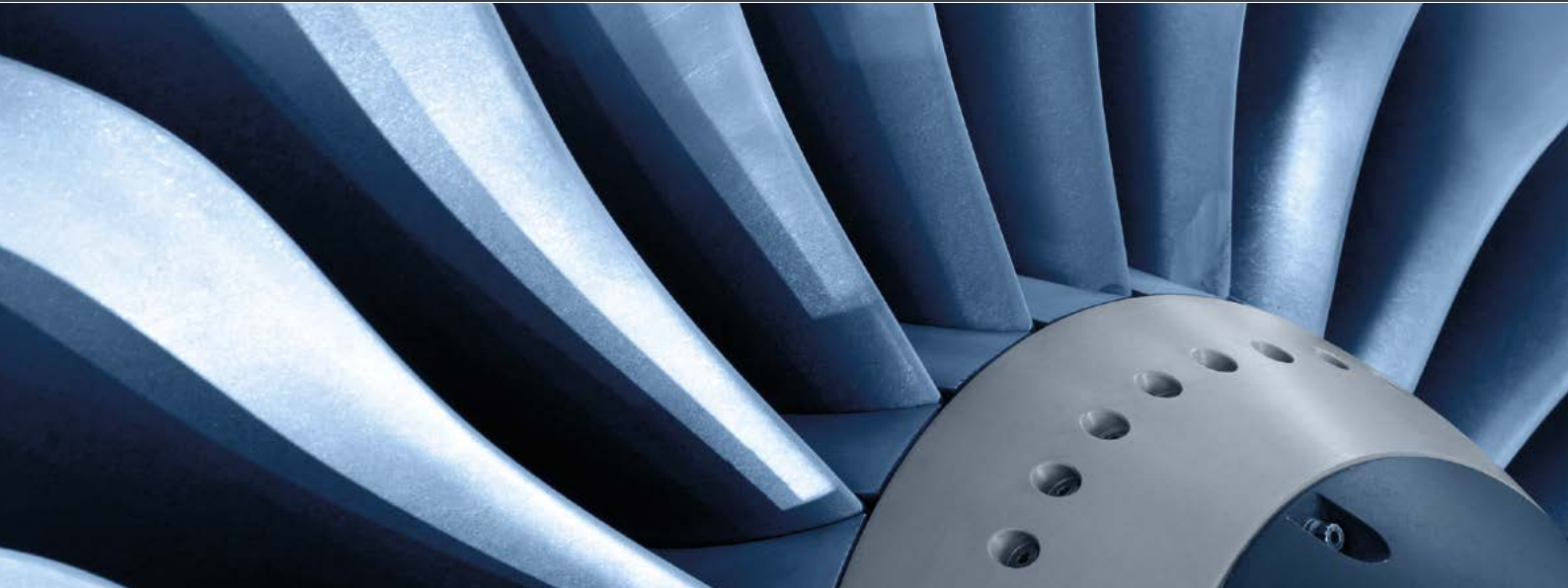


# FULL-FIELD VIBROMETER

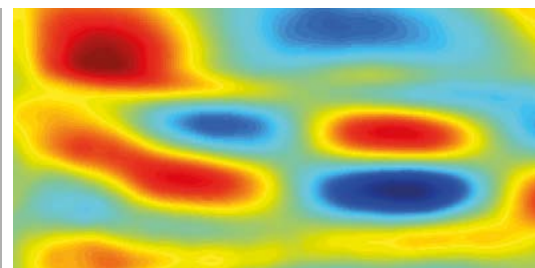
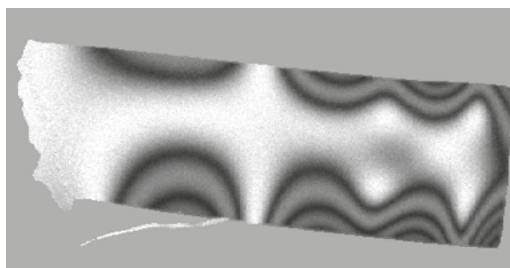
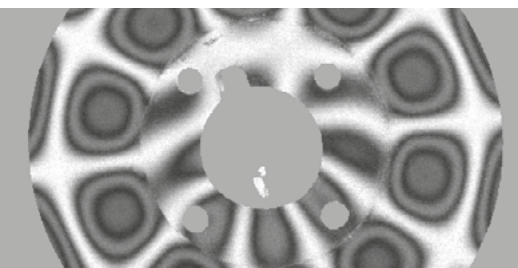


## VIBRATION AND STATIC DEFLECTION ANALYSIS

The ability to quickly and correctly analyze structural vibrations, in place and without modifying plant and machinery, has never been so effective. The VibroMap1000 can be used in design and development, production testing and in-service monitoring. The full-field Vibrometer technology provided by Optonor opens excellent opportunities for evaluation and control of structures in various dimensions, materials and surroundings.

By using full-field imaging objectives and laser based Electronic Speckle Pattern Interferometry (ESPI), noncontacting measurements of both surface vibrations and static deflections can be achieved with nanometer accuracy. The technology represents a complete and powerful tool for research, development and product testing.

A robust and efficient software for filtering and data analysis enables this sensitive technology to be applied in many different environments and conditions. The system software generates graphical data for immediate interpretation, and also provides results in various export formats.



### FEATURES & BENEFITS

- Full field – real time
- Amplitude, phase and deflection maps
- Flexible object excitation solutions:
  - User controlled vibrations
  - Thermal deflection
  - Pressure/vacuum response
- Animated displays and data-export solutions
- User friendly and robust
- Fast and cost-effective data processing
- Frequency scan and recording functionality

### APPLICATIONS

- Vibration analysis
- Modal analysis
- Static deflection analysis
- Research and Development
- Quality and production control
- Non-destructive Testing

### PRODUCTS & SYSTEMS

- VibroMap 1000 – TV holography System
- Measurement and Analysis Services

**See specific system brochures for more information.**

