



IIT Kharagpur



Robotic 3D Laser Scanning Structural Vibration Test Station

Make: Polytec

Model: Robovib PSV-500-3DH

Facility

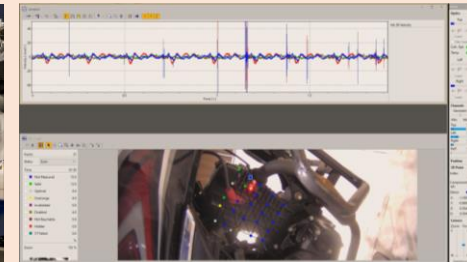
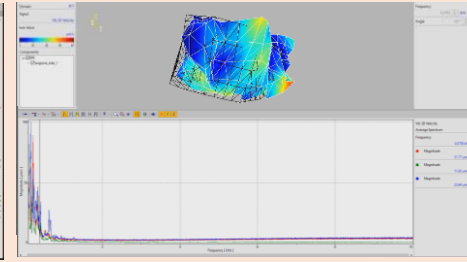
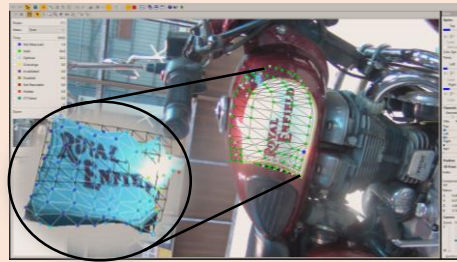


Salient Features :

- Frequency range: 0-100 kHz
- 3D laser scanning vibrometer mounted on a multi-axis industrial robot, and controlled axes = 6 + 1 (linear track of 4 m length)
- Software for incorporating FE geometry, external sensor data, & modal analysis

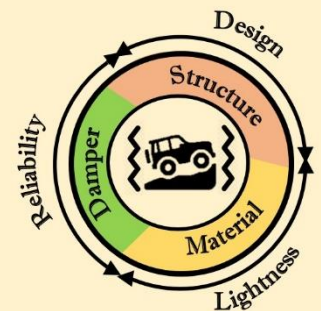
Vibration Testing of Automobiles

Image Gallery



Our Propositions

- Identifying the **sources of vibration** in a vehicle
- **Severity of the vibration** in different parts of a vehicle
- Effect of vibration to the **rider**
- Simulating a vehicle to comply with varying **road conditions** (in future)
- Catering to the **requirements** of an OEM in vibration testing and analysis



Reach us :

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