

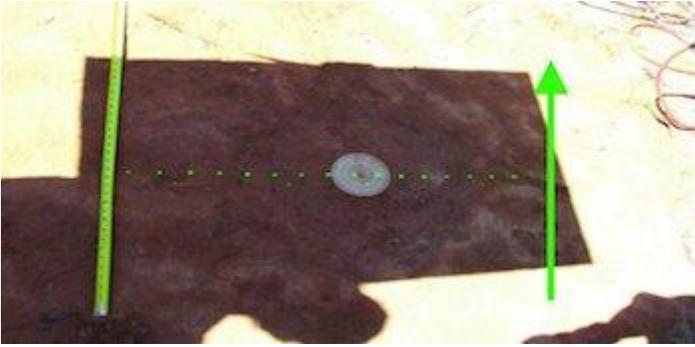
Multibeam Vibrometer

Optical Measurement Systems is the world's only commercial provider of a multi-beam laser vibrometer (MB-LDV). The MB-LDV is the only instrument capable of making non-contact velocity measurements at several locations simultaneously.



Since all points are measured at the same time, transient events can be accurately measured. In addition, the relative phase between measurement locations can be used to generate modal vibration patterns in a single shot. This capability is superior to single beam scanning methods and necessary when measuring temporally non-stationary responses during interrogation. Another significant advantage, when compared to single beam scanning methods, is the faster inspection time of the multi-beam LDV system.

OMS can deliver multi-beam systems with a custom beam pattern to suit a customer's requirements. In addition, the number of beams, the target distance, and the frequency range can be tailored to best fit the application. Please contact OMS to discuss your MB-LDV requirements.



- Simultaneous Measurements at all Points
- Customizable Beam and Optics Configuration
- High Measurement Sensitivity
- Rugged Field Tested Design
- Single Shot Phase Measurement
- Optional Linear Scanner