

Polytec Press Release

Date: 11.11.03

Reference: PSV400-120803-HSt-e

Polytec introduces new Scanning Vibrometer PSV-400

The completely new designed Polytec Scanning Vibrometer PSV-400 represents state-of-the-art measurement technology for the analysis of structure vibrations.

Polytec Laser Doppler Vibrometers are used to precisely measure mechanical vibrations, quickly, easily and free from cross-talk or feedback problems. They operate on the Doppler principle, measuring back-scattered laser light from a vibrating structure, to determine its vibrational velocity and displacement.

Scanning offers all the advantages of a laser vibrometer together with speed, ease of use, laser positioning accuracy and comprehensive data processing in a single automated, turnkey package. Users get a very quick, easily understood and accurate visualization of a structure's vibrational characteristics without the inconvenience of attaching and interpreting data from an array of transducers.

A Scanning Laser Doppler Vibrometer includes a compact scan head, data management system and powerful software for control of the scanners, data processing and display.

The new PSV-400 series, which is based on the new Polytec Vibrometer Controller Series OFV-5000 and the new high performance Single Optic Sensor Head OFV-505, is designed for testing structures in the mm² to several m² range. The PSV-400 covers vibration frequencies up to 1 MHz and vibration velocities up to 10 m/s.

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Scanning Vibrometer Systems are used for applications in the automotive, aviation and aerospace industries, on electrical appliances or machines, and for research and development projects.

The PSV-400 can be upgraded to the fully featured 3-dimensional Polytec Scanning Vibrometer PSV-400-3D.

Polytec GmbH is providing world class high-tech solutions for the microstructure, data storage, automotive, aerospace, transportation, steel industry, mechanical engineering and scientific research markets for decades. Polytec is known throughout the high-tech world for its leadership in the design and manufacture of laser-based vibration, speed & length measurement instruments.

Global sales offices are located throughout Europe, the United States and Japan.

More information can be found at www.polytec.com

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