

Press Release

Date: April 2011

Enclosure:

Reference: PR-0089-FKAP-120411-UHFE

Polytec's UHF-120 Vibrometer Wins the 2011 Industry Prize

On Wednesday, April 6, at the Hannover Messe trade fair, the UHF-120 Ultra-High Frequency Vibrometer won the 2011 Industry Prize for outstanding innovation under the microsystems engineering category. The award is sponsored by the Huber Verlag für neue Medien (Huber Publishing House for New Media) and was judged by a panel of professors and trade press experts according to the level of innovation and future potential of the products.

The UHF-120 captures high-frequency vibrations and transient motion events using optical Doppler interferometry. The instrument can be applied to new pioneering research and development due to its ability to measure frequencies up to 1.2 GHz (50 times higher than conventional vibrometers). The UHF-120 provides direct optical measurement and subsequent motion visualization of novel microelectromechanical and microelectronic devices, such as RF-MEMS (as used in mobile phones), NEMS, ultrasonic transducers (as used in medical devices), or SAW and BAW filters.

The visualization method is comparable to a camera, capable of resolving minute vibration amplitudes of less than 1 pm, and ultra-high-frequency motions of up to 1.2 GHz. With the UHF-120, development engineers now can characterize the mechanical properties of a new device easily and precisely, leading to better products and shorter development cycles.

More Info: www.polytec.com/uhf

Publication free of charge

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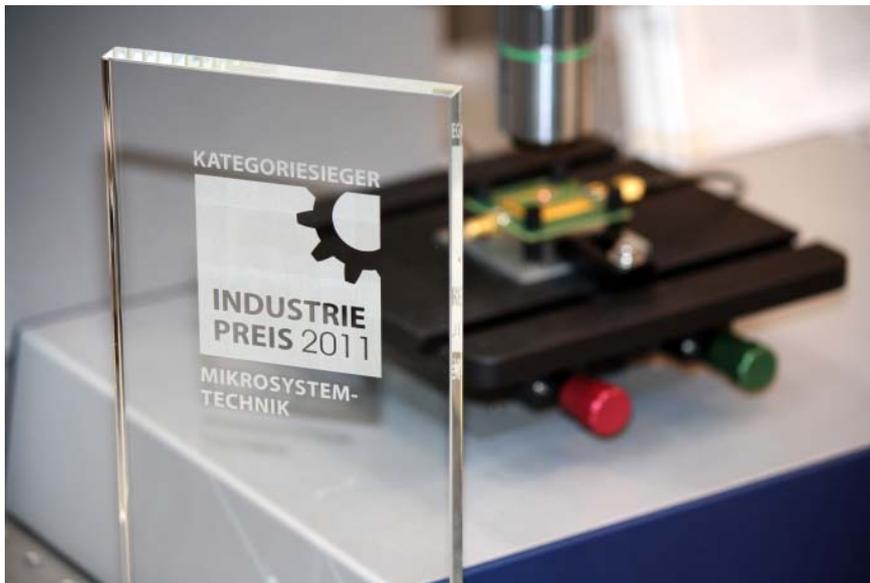
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Polytec has a history of receiving prestigious research and industry awards. For example, in 2009 we were awarded the Innovation Award of the German Economy for the RoboVib® Structural Test Station and the MessTec & Sensor Masters Award for the Optical Derotator.

See our list of awards at www.polytec.com/int/company/quality-and-innovation/awards.



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