

Microvision's New MEMS Scanning Mirror Exceeds Key Performance Target Necessary to Be Included in Pico Projectors for Mobile Handsets

External testing validates shock-resistance performance of new MEMS component that powers PicoP engine

REDMOND, Wash.--(BUSINESS WIRE)--

Microvision, Inc. (NASDAQ:MVIS), a global leader in innovative ultra-miniature projection display and image capture products for mobile devices, today announced that it has received external validation of key shock-resistance susceptibility performance for its wide angle (WVGA) MEMS scanning mirror, a key component inside the company's ultra-miniature PicoP display engine. Testing was conducted by Fraunhofer Institute for Photonic Microsystems (Fraunhofer IPMS). Fraunhofer IPMS is an internationally recognized research and development institute for MEMS.

According to Sid Madhavan, Microvision Vice President of Research and Development, "Key components reliability testing is part of our commercial development process. I'm pleased to confirm that our newest generation MEMS scanner has been successfully tested externally and the results are very promising. Our MEMS scanning mirror exceeds twice the shock performance requirements provided by Original Equipment Manufacturer (OEM) partners. This means that when our MEMS scanning mirror is embedded in a typical hand held device it will exceed the required shock orientations of a 4 foot drop test on concrete in all shock orientations."

"Long-term shock and drop reliability of MEMS is extremely important for any devices that will be handled by consumers on a daily basis and manufactured in very large quantities," stated Dr. Harald Schenk, deputy director and head of the Micro Scanner Devices business unit Fraunhofer IPMS. "With Microvision's MEMS device we've performed extensive shock testing. Our results confirmed that Microvision's devices exceed the shock resistance specifications for consumer electronics hand-set manufacturers by twice the defined requirements."

Microvision's MEMS scanning mirror is a key component of the company's modular PicoP display engine. The tiny MEMS scanning mirror itself is less than one square millimeter in area--or about the size of the head of a pin. The single scanning mirror is designed to scan in both horizontal and vertical directions so that a single beam of light can be precisely steered, in a raster-like fashion, at very high speeds to project a complete video image.

The inherent advantages of this architecture include small form factor and low power

consumption, while delivering high image quality. PicoP uses a collimated beam of light to achieve very efficient full-color, hi-resolution, high-contrast images. Additionally, PicoP does not require any projection lenses and the resulting "focus-free" operation at any distance, adds another significant advantage to the PicoP based consumer projectors.

About Microvision: www.microvision.com

Microvision provides the PicoP display technology platform designed to enable next generation display and imaging products for pico projectors, vehicles displays, and wearable displays that interface to mobile devices. The company also manufactures and sells its bar code scanner product line which features the company's proprietary MEMS technology.

Forward-Looking Statements Disclaimer

Certain statements contained in this release, including those relating to future product introductions and applications, are forward-looking statements that involve a number of risks and uncertainties. Factors that could cause actual results to differ materially from those projected in the Company's forward-looking statements include the following: our ability to raise additional capital when needed; the risk of market acceptance of our technology and products, our financial and technical resources relative to those of our competitors; our ability to keep up with rapid technological change; our ability to enforce our intellectual property rights and protect our proprietary technologies; the timing of commercial product launches and delays in product development; the ability to achieve key technical milestones in key products; our ability to secure needed third party manufacturing and sales resources, dependence on third parties to develop, manufacture, sell and market our products; potential product liability claims and other risk factors identified from time to time in the Company's SEC reports, including the Company's Annual Report on Form 10-K filed with the SEC. Except as expressly required by the federal securities laws, we undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events, changes in circumstances or any other reason.

Source: Microvision, Inc.