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## press release

### **LMS Test.Xpress significantly simplifies and shortens ISO certification**

Complete solution makes ISO certification testing fast, accurate and user-friendly

Leuven, Belgium – April 30, 2009 – LMS, the engineering innovation company, announces the extension of its ISO certification testing solution so that it supports the widest range of ISO standards for noise and vibrations. LMS Test.Xpress is designed to be extremely easy-to-use while remaining ISO-process compliant. It provides a completely automated procedure from measurement to reporting. The integrated noise and vibration analyzer and the extensive built-in ISO standards offer straightforward and accurate certification and help engineers cut testing time in half.

“We ‘hard-coded’ the necessary ISO certification standards right into the software. All the operator needs to do is push a button and the required documentation is printed. Customers don’t need an ISO certification specialist. LMS Test.Xpress does the work for them,” explained Frank Demesmaeker, LMS Test.Xpress Product Line Manager.

LMS Test.Xpress presents comprehensive solutions for all kinds of ISO testing related to operator’s safety and vibration comfort as well as to environmental regulations and noise emissions.

LMS Test.Xpress Human Body Vibration measures time signals according to ISO-required position and configuration. The measurements are performed with the proper ISO 2631 time domain filters. LMS Test.Xpress Hand-arm Vibration maps weighted RMS values to deduce compliance with ISO 5349, ISO 8662 and ISO 15744. With LMS Test.Xpress Whole Body Vibration, weighted RMS values are crosschecked with ISO 2631 prescribed norms or with limits specified in the European directive for vibration measurements (2002/44/EC).

LMS Test.Xpress further supports sound power measurement in free-field conditions, semi-anechoic and reverberant rooms according to ISO 3741, ISO 3744, ISO 3745 and ISO 3746 standards. The measurements can be used to qualify for compliance with the 2000/14/EC directive for outdoor equipment, the ISO 7779 standard for computer and business equipment, and the ISO 6395 and ISO 6396 for earth-moving machinery under dynamic test conditions.

LMS Test.Xpress Sound Intensity is a powerful tool to determine sound power levels according to the ISO 9614 standard. Supporting both discrete point (ISO 9614-1) and scanning (ISO 9614-2) measurement techniques, the test sequence is designed as a step-by-step guided procedure. Looking at the same data on a source localization map and adding a digital image of the test object provides immediate feedback on noise source location.

“With this specific solution, LMS brings ISO certification to the next level. LMS helps all kinds of customers – no matter how big or small – accurately identify the root causes for excessive noise and vibration in an easy and fast manner,” commented Bruno Massa, Vice President, LMS Test Division.

**High resolution pictures for this PR can be found under [www.lmsintl.com/pressimages](http://www.lmsintl.com/pressimages).**



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#### **About LMS:**

LMS is an engineering innovation partner for companies in the automotive, aerospace and other advanced manufacturing industries. With approximately 30 years of experience, LMS helps customers get better products to market faster and turn superior process efficiency into key competitive advantages. With a unique combination of 1D and 3D simulation software, testing systems and engineering services, LMS tunes into mission critical engineering attributes, ranging from system dynamics, structural integrity and sound quality to durability, safety and power consumption. With multi-domain solutions for thermal, fluid dynamics, electrical and mechanical system behavior, LMS can address the complex engineering challenges associated with intelligent system design. Thanks to our technology and dedicated people, LMS has become the partner of choice of more than 5,000 manufacturing companies worldwide. LMS is certified to ISO9001:2000 quality standards and operates through a network of subsidiaries and representatives in key locations around the world.

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