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For more information, please contact:

In North America: International contact:
Taina Suomela   Risto Kause
Lumeo Software North America, Inc.   Lumeo Software Inc.
Tel: +1-416-923-4664   Tel: +358-9-725-20700
Taina.Suomela@Lumeo.com   Risto.Kause@Lumeo.com

Lumeo Motion 3.0 launched, introducing a natural way to innovate
Lumeo Motion's real-time interactive capabilities now include an industry standard GUI, gear wizards, electric motors, and non-uniform springs

TORONTO, Canada and HELSINKI, Finland – September 24, 2002 **–** Lumeo[TM] Software, Inc. (Lumeo), a developer of interactive performance testing software, today announced the release of their most advanced version of Lumeo[TM] Motion. Lumeo Motion has long been enabling mechanical engineers to use 3D CAD models to test product behavior early in the development process, reducing time and costs throughout the development project. Users of Lumeo Motion can add real-life functionality to 3D CAD models, and test visually and interactively in real-time whether the design meets the desired performance objectives. The newest release, version 3.0, adds new features and components that make this the most effective dynamics testing tool for designers on the market today.

"This really is the tool that Lumeo Software set out to develop years ago," said Visa Vuorinen, chief executive officer of Lumeo Software. "Through extensive R&D investment we are finally ready to introduce to the market, a tool that will truly make designers' daily working experience easier and make innovation a much more natural process for the CAD user." Lumeo Motion has the fastest mathematics solver in the CAE market today. No other solver can handle models with hydraulic cylinders, electric actuators, non-uniform springs and dampers, flexible joints and gears in real time.

The new features build on the functionality of previous releases of Lumeo Motion. Unlike Lumeo's competitors, Lumeo Motion does not require users to define motion paths and maneuvers prior to performance testing. Instead it allows users to operate the product interactively just as you would with real prototypes. With Lumeo's patent-pending multiphysics platform, users of Lumeo Motion can add hydraulic cylinders and electric motors with real-life functionality to 3D CAD models and visually and interactively test in real time whether the design meets the desired performance objectives.

"I never realized simulation could be this easy." says Scott McCartney, John Deere Seeding Group. Lumeo Motion 3.0's exciting new features are the result of wishlists from Lumeo customers within the heavy machinery, shipbuilding and medical industries.

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Unlike conventional simulation software products, which are limited to use by simulation experts, Lumeo Motion is designed for CAD engineers. The software duplicates the look and feel of a company's existing 3D CAD software, so it requires little training for new users. By enabling design and product development engineers to run interactive performance testing early in the product development process, Lumeo Motion prevents dead-end concepts from leaving the desktop, reducing the risk of delays in project schedules.

Lumeo Motion 3.0 is now more tightly integrated to its host CAD, remaining associative, even during more advanced modeling. Lumeo Motion's interface has always been familiar to Pro/ENGINEER users, but version 3.0 now also follows the industry standards in Graphical User Interface and Graphics Rendering.

The standard GUI is especially essential in relation to Lumeo Motion's free companion simulation player, Lumeo Scenario. With Lumeo Scenario, a model can be demonstrated interactively on any desktop PC, without CAD software. The user can measure any load, torque, position, velocity or acceleration, as well as change attributes such as mass or joint friction to perform their own "what-if" tests. The software is so easy to use it enables marketing, suppliers, customers and other team members to participate in the product innovation process and allows non-engineers to provide feedback on the product.

Lumeo Motion, which runs on PCs, is now available via ENGINEERING.com and RAND Worldwide. Pricing begins at US$4495 per seat and volume discounts are available.

Lumeo Motion 3.0 Supports Tool for Early Control System Testing
This new version of Lumeo Motion also supports the Lumeo Control Interface - the first off-the-shelf tool that provides control engineers with a life-like virtual environment for testing software and hardware – making more realistic system-level simulations possible. The Lumeo Control Interface integrates a mechatronics approach into the simulation of multi-body dynamics, enabling "hardware in the loop" with actual control systems being used to interactively steer virtual instead of physical prototypes. Control system testing can begin much earlier in the product development cycle – for industries where prototypes are both grossly expensive and time-consuming to build, this can greatly increase product development process efficiencies.

About Lumeo Software
Lumeo Software, Inc. develops and supports interactive, real-time performance testing products that enable users to digitally test and demonstrate the behavior of their products and concepts before any material is cut. Lumeo was founded with the mission to bring high performance behavioral simulation software to a wider scope of design engineers than conventional applications allow. Lumeo software improves the final result of product development while reducing the costs of the process and time-to-market. Based in Finland, Lumeo also has North American headquarters in Toronto. For more information on Lumeo, please visit www.lumeo.com.

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