M&S® Technologies, Inc. Smart System® Provides Comparable Contrast Sensitivity Values to the Pelli-Robson Chart

M&S Technologies' Contrast Sensitivity Function offers an easy-to-use, clinically-proven means to test contrast on clinic patients as well as for use in clinical trials and research and development projects.

Skokie, IL (PRWEB) September 25, 2012 -- M&S Technologies, the first name in computerized vision testing systems, is pleased to announce that the Contrast Sensitivity Testing function of the Smart System provides comparable contrast sensitivity values to the Pelli-Robson chart, according to a recent study at the Hospital for Sick Children and the University of Toronto in Toronto, ON.

Contrast sensitivity is the ability to detect large but faint targets. Reduced contrast sensitivity and reduced visual acuity often occur together so testing for both provides a much more accurate measure of visual deficits than relying on one alone.

The Pelli-Robson wall chart has long been the gold-standard for measuring contrast sensitivity. But it has its limitations: it's expensive, it requires ample wall space, the optotype choice is limited, environmental conditions can cause fading or warping, and uniform lighting can be challenging and inconsistent. The computerized Smart System Contrast Sensitivity function provides accurate, reproducible and consistent results. The baseline established by the Pelli-Robson chart can be used when testing with the M&S Smart System, as the University of Toronto study proves.

Eye care professionals can experience many testing benefits with the Smart System: the ability to conduct contrast sensitivity tests with any of the 7 optotypes available on the Smart System as well as complete optotype randomization so no two tests are the same. Additionally, all the tests can be operated with any of the M&S input devices, including the illuminated keypad, remote control and bi-directional tablet.

“Prior studies comparing other manufacturer’s computerized systems to Pelli-Robson did not measure up. We are proud that the M&S Contrast Sensitivity technology can be used in all clinical settings, from clinical trials and research and development to the day-to-day testing at an eye care practice.”

About M&S Technologies:
Founded in 1990, M&S Technologies is a software company specializing in visual testing systems and dedicated to developing the very best products for eye-care professionals, optometry schools and universities, and products used in clinical trials. To date, over 20,000 systems are in use across 39 countries with a growing network that includes 26 distributors and several key industry alliances. Superior service, industry-leading technology and products that define the cutting edge have been the hallmarks of M&S for over 20 years.

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