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FOR IMMEDIATE RELEASE

Pharmaceutical Product Uniformity Monitoring One Step Closer

January 11, 2005, Fredericton, NB - Mathis Instruments announced today that their 3 month beta testing program has reached a successful conclusion, and their new wireless product is on track to launch in April 2005. The program participants, which included Patheon, Astra Zeneca and Estee Lauder, became the first group to work with the Mathis wireless effusivity technology for measuring product consistency. The beta testing confirmed that the most challenging design objective was met - the ability to monitor powder blend uniformity real time. This capability will not only bring manufacturing efficiency to the producers of drugs and consumer products, but it will translate into a host of valued consumer benefits. Better understanding of processes means faster development and release of new products as well as reduced scrap and lower costs.

The companies that are motivated by these internal and customer advantages were quick to purchase the beta instruments to begin value creation even in advance of commercial launch at Interphex. In the case of Patheon, they are also eager to demonstrate their new process tool to their customers. "We pride ourselves in being leaders in pharmaceutical development. Sensors that give us windows into our processes make us more efficient but also more knowledgeable on the variables that affect quality", says Colin Minchom, Vice President, Pharmaceutical Development Services - Canada of Patheon Inc.

"It is not just end users that recognize the value of this enhanced technology", says Dr. Nancy Mathis, President and CEO of Mathis Instruments. "Equipment manufacturers see the value as well. It helps them demonstrate their equipment operational attributes and benefits to their customers".

Tote Systems VP of Business Development Wade Meyer says that that is now possible. "The effusivity sensors had limited value in manufacturing before this wireless capability. Wireless was the last necessary step to take this technology all the way."

Regulatory agencies are supportive of tools that provide improved understanding. The FDA guidance on Process Analytical Technology (PAT) that was issued in September 2004 is clear on the agency's receptiveness to move toward an environment of continuous improvement. ASTM and USP are putting standards in place to support the implementation and use of PAT systems.

About Mathis Instruments

Established in 1995 and based in Fredericton, NB, Canada, Mathis Instruments Ltd. has developed innovative sensor technology to provide solutions for Process Analytical Technology (PAT) environments. The Mathis technology uses thermal effusivity to evaluate, monitor and control the uniformity of powders, liquids and creams in real time. Already in use by several major pharmaceutical companies, the Mathis technology is designed for material handling and processing environments, specifically: blend uniformity, wet granulation, separation kinetics, emulsion stability, drying and lubrication monitoring.

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