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Douglas Scientific Unveils Disruptive Laboratory Outcomes

Alexandria, MN, October 19, 2009 – Douglas Scientific, a division of Douglas Machine Inc. and provider of patented array tape technology for bioscience laboratories, today revealed research data to validate its claims of disruptive technology.

Douglas Scientific has experienced rapid market acceptance of its revolutionary Nexar™ and Araya™ high throughput screening platform, fueled by the profound outcomes experienced by its laboratory customers in the biosciences marketplace.

However, the proprietary nature of one of the Company's primary markets – ag biotech and plant genetic research – has limited Douglas Scientific in publishing the disruptive outcomes tied to array tape automation. Recently, the company conducted a composite study of laboratory outcomes and published the results on its website.

The findings represent results collected from several high throughput SNP genotyping laboratories in the ag biotech market that had recently migrated from microtiter plate processing to the Nexar™ and Araya™ array tape platform. The typical lab operated eight hours per day, five days per week. The research compared throughput, reaction volumes, data quality, consumable costs, labor costs, space requirements, and return on investment factors.

In summary, the composite research shows nearly a 10-fold throughput gain realized with inline array tape processing, while delivering 70-90% reductions in consumable costs. The low reaction volumes achieved in array tape, combined with the lower cost of array tape versus microtiter plates drove the cost savings. Additionally, the "walk away" operation of the Douglas Scientific system, labor requirements were reduced by more than 60 percent. Given the robotic and array handling requirements with an inline, continuous array tape process, equipment costs were also minimized, driving a return on investment ranging from three to six months.

Dan Malmstrom, General Manager of Douglas Scientific, had this to say about the findings. "We knew all along we could deliver this type of value to the biotech market. We play an important supporting role in an industry that demands disruptive innovation. Our clients can expect more of the same from Douglas Scientific."

About Douglas Scientific

Douglas Scientific provides a revolutionary technology platform optimized for laboratory processing in embossed wells on a continuous array tape. Douglas Scientific is a division of Douglas Machine Inc. with corporate offices located at 3404 Iowa Street, Alexandria, MN 56308.

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