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Thermo Fisher Scientific Introduces Unique Automated Microplate Mover Technology at LabAutomation 2009

The Thermo Scientific Orbiter RS Combines Reliable Performance with Flexible Plate Handling

LILLE, France (April, 26, 2009) – Thermo Fisher Scientific Inc., the world leader in serving science, today unveiled the new Thermo Scientific Orbiter RS at LabAutomation 2009. Developed using proven technology from the well-known Thermo Scientific RapidStak and Thermo Scientific Dimension4 product lines, the Orbiter™ RS is a high-speed microplate mover offering proven, reliable performance with totally flexible plate handling. Extensive vertical reach allows multiple stacked or high density instruments to be loaded in a small footprint, and a bi-directional telescoping arm provides superior reach, improved user safety and unlimited rotation within a 360° workspace.

For unmatched speed and throughput, the Thermo Scientific Orbiter RS accommodates any SBS plate format, from shallow to deep well, in addition to tip boxes and lids, tubes or racks. This flexibility is further supported by random or sequential plate access, and the ability to mix modes of storage as assay requirements change. Laboratory safety is maximized as the robotic arm is able to pass through the base and remain inside while rotating. The Orbiter RS couples reliable, high throughput operation with precision robotics to encompass barcode reading, lidding/unlidding and plate reorientation. In addition, closed-loop motion control, collision detection and position recovery provide precise, accurate plate placement. These combine to significantly improve speed and efficiency, enabling a compact, cost-effective solution suitable for smaller workspaces, with unlimited storage options and operational flexibility for a multitude of set-ups and configurations.

The Thermo Scientific Orbiter RS expands the existing Thermo Scientific range of automated technologies for drug discovery and addresses the demand for increased throughput, storage capacity, and operational flexibility. For further information, please visit www.thermo.com/xxxx.

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software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike. Visit www.thermofisher.com.

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