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**FANUC Robotics Demonstrates
New M-1*i*A Intelligent High-Speed
Robot at 2009 Pack Expo Las Vegas**

For Immediate Release

ROCHESTER HILLS, Mich., Oct. 5, 2009— FANUC Robotics America Inc. will demonstrate high-speed handling of pharmaceuticals, school supplies and electrical fuses with the new M-1*i*A intelligent robot at the 2009 Pack Expo Las Vegas Show held at the Las Vegas Convention Center in Las Vegas, NV Oct. 5-7, booth #C4200.

The M-1*i*A is a lightweight and compact six-axis, parallel-link robot designed for small part handling, high-speed picking, packing, and assembly applications. The unique parallel-link structure provides higher speeds and accuracy compared to traditional handling robots. The robot can be installed in a variety of orientations, and has a three-axis wrist, making it extremely flexible.

The M-1*i*A also offers a four-axis model for simple operations such as part picking or kitting. A single-axis wrist offers speeds up to 3000 degrees per second.

“Our customers require higher speeds and accuracy to meet their production goals,” said Nishant Jhaveri, product manager, FANUC Robotics America, Inc. “The M-1*i*A’s flexibility and speed far exceed the capabilities of other vertically-articulated or SCARA-type robots.”

The M-1*i*A, like all FANUC robots, operates with the company’s latest R-30*i*A controller with integrated intelligent functions such as *i*RVision[®], Robot Link, and Collision Guard.

At the show, FANUC Robotics will feature the new M-1*i*A robot in three high-speed demonstrations. In the first cell, a six-axis M-1*i*A equipped with *i*RVision 2D and a color camera picks and sorts pills of different colors. This cell introduces FANUC’s unique capability to support customer processes with color features at very high speeds. A second demonstration will feature two, four-axis M-1*i*A robots using *i*RVision visual tracking to locate and pick randomly-placed rubber erasers from a moving conveyor, and place them onto a mock blister pack conveyor line at very high speeds.

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New M-1*i*A Robot

A third cell uses a four-axis M-1*i*A robot with *i*RVision 2D to locate and pick electrical fuses from a parts feeder and pack them into a multi-part blister pack at very high speeds. “This robot is ideal for picking or packing a variety of products, even the most fragile,” added Jhaveri.

The M-1*i*A offers a wide range of benefits, including:

- Lightweight (14kg for 4-axis model; 17kg for 6-axis model), compact size allows operation in small spaces.
- Six-axis design enables part feeding from the sides of a work zone, increasing the useable workspace.
- Multiple installation orientations accommodate a wide range of work areas.
- Unique parallel-link design maximizes speed.
- Can be separated from its stand, allowing easy integration into a machine.
- A camera for *i*RVision (built-in) can be integrated into the robot.
- New R-30*i*A Mate rack-style controller provides intelligent robot functions.
- Collision Guard detects robot collisions with external objects, minimizing damage to the part and robot.
- Robot Link controls and coordinates up to ten robots through a network exchange of robot positional data.

Integrated (built-in) Vision

The FANUC *i*RVision system is a ready-to-use robotic vision package, available on all FANUC robots, requiring only a camera and cable – no additional processing hardware. It has a 2D robot guidance tool to accomplish part location, error proofing, and other operations that normally require special sensors or custom fixtures. For robotic vision processes that exceed the capability of 2D vision systems, FANUC Robotics offers an integrated 3D vision system.

FANUC Robotics America, Inc. designs, engineers and manufactures industrial robots and robotic systems for a wide range of applications including arc and spot welding, material handling (machine tending, picking, packing, palletizing), material removal, assembly, paint finishing and dispensing. The company also provides application-specific software, controls, vision products, and complete support services. After 27 years of success, FANUC Robotics maintains its position as the leading robotics company in the Americas. A subsidiary of FANUC LTD in Japan, the company is headquartered in Detroit, and has facilities in Chicago; Los Angeles; Charlotte, N.C.; Cincinnati and Toledo, Ohio; Toronto; Montreal; Aguascalientes, Mexico; and Sao Paulo, Brazil. Over 210,000 FANUC robots are installed worldwide. Contact FANUC Robotics at www.fanucrobotics.com or by calling 1-800-*i*Q-ROBOT, option 5.

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