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**FANUC Robotics Intelligent M-10iA  
Robot Demonstrates High-Speed  
Packing at 2009 Pack Expo Show**

**For Immediate Release**

**ROCHESTER HILLS, Mich., Oct. 5, 2009**— FANUC Robotics America, Inc. will showcase its M-10iA material handling robot with *iRVision*<sup>®</sup> packing tubs of cream cheese at high speeds during the 2009 Pack Expo Las Vegas Show held at the Las Vegas Convention Center in Las Vegas, NV Oct. 5-7, booth #C4200.

At the show, a conveyor moves tubs of cream cheese to a pickup area where the *iRVision* 2D camera captures parts in the field of view. Two M-10iA robots each pick three tubs from the conveyor, then the first M-10iA hands its tubs to the second M-10iA. *iRVision* error proofing is used “on-the-fly” to determine that each tub has a bar code. While one M-10iA packs all six tubs into a container, the other robot places a slip sheet over the layer. Following three layers of packing, the conveyor reverses direction for unpacking. While one M-10iA removes the slip sheet, the second M-10iA unpacks six tubs and passes three back to the first robot. Tub s are placed back onto the conveyor and the cycle repeats itself.

“Traditional error proofing requires the robot to move over the part and stop to inspect for errors. Error proofing while the robot is in motion can further improve the cycle time. The ability to perform inspection “on-the-fly” is a significant competitive advantage for food manufacturers,” said Steve Prehn, senior product manager for vision, FANUC Robotics.

**M-10iA intelligent material handling robot**

FANUC Robotics’ six-axis, M-10iA intelligent material handling robot features a compact design, class-leading operation efficiency, speed, load capacity, and enhanced performance for handling parts of all shapes and sizes.

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A unique through-arm cable design simplifies cable management and allows easy setup and maintenance by eliminating dress-out issues such as bending, snagging or breaking cables.

“The M-10iA is the highest performance material handling robot in its class,” said Virgil Wilson, product manager, FANUC Robotics. “In addition, the internal dress package makes it extremely easy to operate and maintain, and helps reduce cost by ensuring a longer cable life.”

The M-10iA offers a variety of features including:

- Cantilevered forearm is inherently rigid, simplifying cable management and maintenance
- Large work envelope
- Slim/compact design for work in tight spaces
- Multiple mounting positions include floor, invert and angle
- High motion range including ‘best in class’ reach versus stroke
- 10kg payload capacity
- Supports a wide range of intelligent functions such as: *iRVision*<sup>®</sup> (built-in), ROBOGUIDE simulation package, and Collision Guard which detects robot collisions with external objects, minimizing damage to the part, robot, and tooling.

### **Integrated (built-in) Vision**

The FANUC *iRVision* 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](http://www.fanucrobotics.com) or by calling 1-800-*iQ*-ROBOT, option 5.

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