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**FANUC Robotics Demonstrates
Bin Picking with the Intelligent
M-710iC/50 Robot at the 2009
Robots & Vision Show**

For Immediate Release

ROCHESTER HILLS, Mich., June 9, 2009— FANUC Robotics America Inc. will demonstrate bin picking with its intelligent M-710iC/50 robot equipped with *iRVision*® at the 2009 International Robots & Vision Motion Control Show held at the Donald E. Stephens Convention Center in Rosemont (Chicago), IL June 9-11, booth #1411.

At the show, the M-710iC/50 robot equipped with the *iRVision* 3DL laser vision sensor will locate and pick randomly piled hubcaps from a storage container. After vision verifies the correct grip position, the robot will transfer the part to a second container. *iRVision* 2D error proofing with high-speed, continuous motion will detect defective parts.

“Our customers require Six Sigma quality, or no more than 3.4 defects per million parts,” said Peter Stephan, program manager, FANUC Robotics America, Inc. “FANUC Robotics’ error proofing does 100 percent inspection for any defective parts or production errors. In addition, error proofing with continuous motion eliminates the impact on cycle time. We’re showing manufacturers how easy and practical robot vision can be, even for bin picking, which has traditionally been a very challenging robotic process.”

“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 manufacturers,” added Stephan.

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M-710iC Intelligent Robot

The M-710iC robot features six axes of motion, an extremely large work envelope, slim profile and small footprint. The versatile M-710iC robot offers nine model variations with payloads ranging from 20 kg to 70 kg., and a reach of 1360 mm to 3110 mm. Multiple mounting methods including floor, ceiling, angle and wall, make it possible for users to have better access to unusual work pieces.

In addition, the M-710iC robot's FoundryPRO option makes the entire robot IP67 protected for operation in harsh environments. Also, the SE option (Severe Environment option) enables the robot to endure the rugged conditions in washing booths such as high humidity and exposure to high pressure water jets. With this option, the entire robot, also rated IP67, can tolerate water submersion.

“This is an exciting robot based on its capabilities and flexibility,” said Ray Moran, product manager, FANUC Robotics America, Inc. “It’s rated ‘best in class’ for speed, and has one of the largest work envelopes in its class. In addition, its compact size and ability to flip over and work behind itself maximizes flexibility for work cell design, and saves valuable floor space.”

Integrated (built-in) Vision

The FANUC *iR*Vision 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.

Error Proofing can be used with *iR*Vision 2D or 3D robot guidance to identify parts, check for part presence or absence, proper orientation or alignment, size and fit, and verify that there is adequate clearance to move parts from one location to another.

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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 200,000 FANUC robots are installed worldwide. Contact FANUC Robotics at www.fanucrobotics.com or by calling 1-800-iQ-ROBOT, option 5.

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