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**FANUC Robotics Demonstrates
Bin Picking with the Intelligent
M-710iC/50 Robot at IMTS 2010**

For Immediate Release

ROCHESTER HILLS, Mich., Sept. 13, 2010 – FANUC Robotics America will demonstrate bin picking with its intelligent M-710iC/50 robot equipped with *iRVision*[®] at IMTS 2010, Sept. 13-18, at McCormick Place, Chicago, booth S-8919.

At the show, an M-710iC/50 robot equipped with the *iRVision* 3DL laser vision sensor locates and picks randomly piled cart wheels from a storage container. After vision verifies the correct grip position, the robot transfers the part to a second container. *iRVision* Error Proofing with high-speed, continuous motion detects defective parts.

“FANUC Robotics’ error proofing does 100 percent inspection for any defective parts or production errors,” said Raad Asmaro, product manager, FANUC Robotics America. “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 Asmaro.

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.

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In addition, the M-710*i*C 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 Asmaro. "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."

FANUC *i*RVision

FANUC's *i*RVision is a truly integrated, plug-and-go vision system that runs on the standard CPU of every FANUC R-30*i*A controller without any additional hardware. A single source solution developed and supported by FANUC, *i*RVision offers easy setup and operation for factory environments requiring 2D and 3D guidance, error proofing, visual tracking, and quality control – all with FANUC's world-renowned reliability.

Error Proofing can be used with *i*RVision 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.

FANUC Robotics America 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 and force sensing products, and complete support services. After 28 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; Cincinnati; Toronto; Aguascalientes, Mexico; and Sao Paulo, Brazil. Over 220,000 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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