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**FANUC Robotics Demonstrates
Intelligent Sand Core Assembly at
Cast Expo 2008**

For Immediate Release

ROCHESTER HILLS, Mich., May 17, 2008– FANUC Robotics America Inc. will demonstrate sand core assembly with its intelligent R-2000iB/165 FoundryPRO robot equipped with *iRVision*® during Cast Expo 2008, at the Georgia World Congress Center in Atlanta, GA, May 17-20, booth #1707.

At the show, the R-2000iB/165F FoundryPRO robot will use 2D *iRVision* robot guidance to locate and pick a valley core from an input station and properly position it for assembly to a partially assembled core package located in a random position on a belt conveyor. The robot will use 3D laser *iRVision* to find the exact location of the core package, enabling it to set the valley core with precision. Once completed, the robot removes the valley core from the core package, uses 2D *iRVision* to determine the precise position of the valley core in its end of arm tool (EOAT), places it back on the input stand, and then the cycle repeats itself.

“This is a major costs savings for robotic core assembly processes,” said Steve Prehn, FANUC Robotics’ vision product manager. “Often, a sand core is ejected from a core molding machine and is either loaded manually or via a robot to a fixtured core assembly. Core fixturing represents a very high percentage of the cost of sand core assembly because there are many dedicated core handling fixtures required for the process, and these fixtures must change for new products when part designs change. Through the use of 2D and 3D *iRVision*, the expenses of dedicated fixtures and fixture locating stations are completely eliminated from the sand core assembly line.”

***iRVision* - 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.

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“Intense competition has prompted an increasing number of manufacturers to increase their efficiency and reduce costs by incorporating vision in their robot operations. The superior benefits of the FANUC product line coupled with our engineering expertise and service continues to help our customers achieve their production goals and remain competitive,” said Prehn.

R-2000iB/165F FoundryPRO Robot

The R-2000iB/165F FoundryPRO robot represents a family of industrial robots, including pedestal and rack mount versions with a variety of payloads and reaches. A slim arm and wrist assembly helps minimize interference with system equipment and allows the robot to operate in small workspaces. The FoundryPRO option makes the entire robot IP67 protected for operation in harsh environments.

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 25 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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