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**FANUC Robotics Showcases  
World's Strongest, Super  
Heavy-Duty Robot at IMTS 2010**

**For Immediate Release**

**ROCHESTER HILLS, Mich., Sept. 13, 2010** – FANUC Robotics America will demonstrate the M-2000*i*A/1200 super heavy-duty robot, able to lift parts weighing up to 1350 kg (3,000 lbs) at IMTS 2010, Sept. 13-18, at McCormick Place, Chicago, booth S-8919.

At the show an M-2000*i*A/1200 equipped with *i*RVision 3DL demonstrates its high capacity payload and wrist by handling parts weighing up to 1350 kg. The M-2000*i*A/1200 uses *i*RVision 3DL to locate a FANUC ROBODRILL base and a servo-gripper. The robot then attaches to the servo-gripper and uses it to pick and place the FANUC ROBODRILL base into a mock machine tool. The robot places and disconnects from the servo-gripper, locates a 1,350kg steel block on a pallet and transfers it to a digital scale. The robot re-attaches the servo-gripper and removes the FANUC ROBODRILL base from the mock machine tool. The robot lifts the steel block from the digital scale, moves it through a complete range of motion at high speed, and places it back on the pallet.

“The M-2000*i*A/1200 has the highest payload and the strongest wrist compared to all other electric six-axis robots available today,” said Ian Orr, product manager, FANUC Robotics America. “It can support a 1350 kg payload with a 0.6 m offset from the faceplate and full articulated motion at the wrist. One M-2000*i*A/1200 robot can handle a super heavy part, which previously required dual robots, conveyors, lifts and other fixed automation.”

The M-2000*i*A/1200 is the second in FANUC Robotics' line of heavy-duty robots designed to handle truck, tractor, and automotive frames, and other large castings. The M-2000*i*A/900L robot, offering a 900 kg payload (1,984 lbs) was introduced at IMTS 2008. The rigid arm design of the M-2000*i*A/900L has a vertical lifting stroke of 6.2m for transferring extremely heavy items such as a car body.

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## **M-2000iA/1200 Super Heavy-Duty Robot**

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The M-2000iA/1200, like all FANUC robots, operates with the company's latest R-30iA controller with integrated intelligent functions such as vision and force sensing.

#### **M-2000iA - key features and benefits**

- M-2000iA/900L standard payload is 900kg
- M-2000iA/1200 standard payload is 1200 kg with a 1350 kg payload option
- Vertical lifting stroke of 6.2 m (M-2000iA/900L)
- Rigid arm offers stable transferring of heavy payloads
- Strongest wrist in the world handles super heavy products with stability
- Wrist is IP67 protected for operation in harsh environments
- Built-in vision and force sensing
- Reduces costs associated with fixed automation

#### **FANUC iRVision**

FANUC's iRVision is a truly integrated, plug-and-go vision system that runs on the standard CPU of every FANUC R-30iA controller without any additional hardware. A single source solution developed and supported by FANUC, iRVision 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.

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

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