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PICKING WITH THE NEW R-2000iB ROBOT AND IRV AT IMTS 2006

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FANUC Robotics America, Inc.







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Press release date: September 6, 2006

ROCHESTER HILLS, MI, Sept. 6, 2006 - FANUC Robotics America, Inc.'s new R-2000iB robot equipped with the J3iC Controller and iRV demonstrate intelligent bin picking during IMTS 2006 at McCormick Place in Chicago, Sept. 6-13, booth #84.

At the show, the new R-2000iB/165F intelligent robot will locate and pick parts from a bin using the integrated 3D laser vision sensor. The robot will then load the parts into the FANUC aT14iEL RC

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for processing, unload parts and place them in output bin.

"The iR-Vision 3D vision enables the intelligent determine part location orientation in the bins parts can be robotically up and properly placed the bin," said Mark Hande FANUC Robotics' manufacturing industry marketing. "V showing manufacturer easy and practical robot can be."

"This is a breakthrough application that bundle vision technology into that is extremely reliable easy to setup and use Handelsman. "Bin pick historically been a very challenging robotic process made possible by FANUC intelligent robot technology."

New R-2000iB Intelligent Supported by the new Controller, the R-2000 features enhanced intelligent functions and motion performance, industry reliability, and easy maintenance. The R-2000 offers multiple model including a 165 kg base a high payload version rack-mount model. A shoulder and wrist assembly help minimize interference system equipment and the robot to operate in workspaces.

New R-J3iC Controller R-J3iC Robot Controller

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high-performance hardware the latest control technology providing a level of intelligence never offered before.

Advanced vibration control allows the R-2000iB to accelerate and decelerate quickly, reducing cycle time approximately five percent compared to current models. For spot welding applications, the R-J3i automatically optimizes gun and robot motion, the R-2000iB's cycle time much as 15 percent, and provides significant improvements in throughput and productivity.

Enhanced Intelligent Function The R-2000iB offers a new intelligent function called Link, which controls and coordinates up to ten robots through a network exchange of positional data. In addition, with the new Motion Monitoring function for robots (available later this year), the R-2000iB exchanges current positional data with robot motion information to prevent interference in multi-robot applications.

"Typically, in multi-robot applications, a custom program is required to set up a very complex interlock system between the robots," says Claude Dinsmoor, general manager, controller software product development, FANUC Robotics America, Inc. "The multi-arm and multi-ro

enhancements of the I eliminate many compl interlocking systems, I the cost and simplifyir operation of multiple r

iRVision - Integrated V FANUC Robotics' new i (TM), is an easy to use integrated robot visior for the new FANUC R-. Controller. The iRVisio is the company's first vision package that is on all R-J3iC Controlle providing customers a source for robot guida process feedback.

The FANUC iRVision sy ready-to-use robotic v package, requiring onl camera and cable - no additional processing f It has a 2D robot guid to accomplish part loc: error proofing, and oth operations that norma special sensors or cust fixtures.

"The new iRVision syst the bar for the integra machine vision to robc providing a new level o intelligence with signif reductions and quality said Edward Roney, F/ Robotics' manager of v product development. taken the complexity o robot vision, eliminatir need to combine a sep vision system with the controller. Now, a cust simply plugs in a came cable to a dedicated vi on the robot's main CF

the system is ready to work."

FANUC Robotics first introduced its intelligent robot guidance system in 1984. Since that time, the company has installed thousands of vision processing systems worldwide in a variety of applications including machine tending, palletizing, error proofing, and pa

"In the early 80's, several companies supplied vision systems; however, when robot suppliers stopped offering vision as part of their product line, we continued to view it as an important component of our robotics. This unique understanding of the true benefits of machine vision in robotics has led to the development of advanced vision systems such as iRVision."

Compatibility with R-2000iB intelligent robot is compatible with its predecessor the R-2000iA. The new robot has the same workspace, installation, mounting, operation, and robot programming as the R-2000iA. This extensive compatibility makes it extremely easy to replace the R-2000iA with the R-2000iB.

"The R-2000iB is an excellent multi-purpose, intelligent robot that meets the ever-changing automation needs of manufacturers," said [Name]. "In material handling applications and other

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