

## **FANUC America Demonstrates 3D Bin Picking For Order Filling at Pack Expo 2015**

**For Immediate Release**

**ROCHESTER HILLS, Mich., Sept. 28, 2015** – FANUC America Corporation will demonstrate 3D bin picking for order filling with its M-20iA/35M robot and the next generation *iR*Vision® 3D Area Sensor at Pack Expo 2015, Sept. 28-30, in Las Vegas, booth #5244.

A FANUC M-20iA/35M six-axis robot equipped with a rail-mounted *iR*Vision 3DA/1300 Area Sensor locates randomly oriented parts from a large tote. After locating a part, the robot picks it with its magnetic gripper then places it into a small tote similar to a typical order filling process. Once the larger tote is emptied, the robot will dump the contents of the small totes back into the large tote and the process will repeat.

“We’re showing how robots may be used to address the needs of the order filling and warehousing markets, which are growing at a rapid pace,” said David Dechow, vision product manager, FANUC America.

The M-20iA/35M includes a 35kg payload option for FANUC’s M-20iA series robot. It features flexible mounting, easy dress out options, and includes a high load capacity wrist that is ideal for heavy payloads.

### **FANUC 3D Area Sensor for Bin Picking**

“FANUC’s latest high-speed 3D Area Sensor is ideal for bin picking applications,” added Dechow. “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.”

The high-speed 3D Area Sensor provides a detailed 3D map in one quick vision shot. It’s an easy-to-use vision tool allowing bin picking setup through the *i*Pendant in a matter of minutes. The 3D Area Sensor is available in two variants – The 3DA/1300 for a wider range of view, and the compact 3DA/400 for small to medium size applications. Both models are equipped with a higher-resolution mode for greater 3D location precision. “All of the hardware and software is designed by FANUC specifically for FANUC robots, allowing us to provide our customers a wide range of solutions to meet their production needs,” added Dechow.

### **FANUC Intelligent M-20iA Robot Series**

FANUC America’s family of M-20iA six-axis material handling robots features a compact design and class-leading reach and payload.

The six-axis M-20*i*A/35M robot is a variation of the M-20*i*A series, with a 1.81 meter reach and a 35 kg payload. A large hollow wrist offers easy routing of cables and tubes, eliminating cable management issues. Strong and rigid, the M-20*i*A/35M offers an enhanced wrist and higher speeds than previous models. A compact size allows it to operate in tight workspaces. The M-20*i*A/35M is an ideal solution for material handling, machine tending, precision cutting, or handling larger products such as LCD panels.

**M-20*i*A key features and benefits**

- Four model variations offering a 20-35 kg payload and six-axis design.
- M-20*i*A (standard) and M-20*i*A/10L (long arm) offer a 20kg payload and hollow wrist for easy dressout.
- The M-20*i*A/20M and new M-20*i*/35M have a 20 kg and 35 kg payload respectively, and offer a very strong, rigid wrist that allows easy dressout.
- Ideal solution for handling and machine tending applications that require high wrist inertia.
- Compact robot fits into tight workspaces.
- Flexible floor, ceiling and angle mounting options.
- A hollow wrist allows tooling cables to be routed internally, minimizing wear and tear.
- Supports FANUC's latest intelligent features including *i*RVision and force sensing.

**FANUC *i*RVision**

FANUC *i*RVision is a truly integrated, plug-and-go vision system that runs on the standard CPU of every FANUC R-30*i*B 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.

**Next Generation R-30*i*B and R-30*i*B Mate Controller**

The FANUC R-30*i*B and R-30*i*B Mate Controller use high-performance hardware and the latest advances in network communications, integrated *i*RVision, and motion control functions. The R-30*i*B Controllers feature FANUC's exclusive and easy-to-use *i*Pendant with 4D graphics. The *i*Pendant displays process information and the actual process path directly on the *i*Pendant screen, enabling easier setup and troubleshooting.

Based on the latest FANUC Series 30*i*B CNC Controller, the R-30*i*B and R-30*i*B Mate Robot Controllers are compact, providing customers a significant space savings. The R-30*i*B Mate Controller, available with a compact rack-style open-air controller cabinet, or an industrial grade standard Mate cabinet, is very energy efficient and requires less power consumption due to its availability in both single-phase and three-phase versions. The R-30*i*B Controller offers an optional power regeneration feature.

### About FANUC America Corporation

FANUC America Corporation is a subsidiary of FANUC CORPORATION in Japan, and provides industry-leading robotics, CNC systems, and factory automation. FANUC's innovative technologies and proven expertise help manufacturers in the Americas maximize efficiency, reliability and profitability.

FANUC America is headquartered at 3900 W. Hamlin Road, Rochester Hills, MI 48309, and has facilities in: Atlanta; Boston; Charlotte; Chicago; Cincinnati; Cleveland; Dallas; Indianapolis; Los Angeles; Minneapolis; Montreal; Pine Brook, NJ; San Francisco; Toronto; Buenos Aires, Argentina; Sao Paulo, Brazil; and Aguascalientes, and Mexico City, Mexico. For more information, please call: 888-FANUC-US (888-326-8287) or visit our website: [www.fanucamerica.com](http://www.fanucamerica.com). Also, connect with us on [YouTube](#), [Twitter](#), [Facebook](#), [Google+](#) and [LinkedIn](#).

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