

## **FANUC America Demonstrates High-Speed Color Inspection at Pack Expo 2015**

**For Immediate Release**

**ROCHESTER HILLS, Mich., Sept. 28, 2015** – FANUC America Corporation will demonstrate high-speed color inspection at Pack Expo 2015, Sept. 28-30, in Las Vegas, booth #5244.

At the show, a FANUC LR Mate 200*i*D robot equipped with FANUC *i*RVision® to quickly inspect various randomly-located parts of different colors. The cell features:

- Color machine vision which allows for the isolation of a specific color for quick and accurate inspection.
- Vision light strobing provides very quick image acquisition, as the exposure time can be very low (less than 1ms) and the light intensity can be very high because the light is only on for a very short duration. This is perfect for snap-in-motion applications.
- Part inspection with a robot-mounted camera provides a very flexible and consistent inspection system.

“This system is ideal for manufacturers that produce a wide variety of parts,” said David Bruce, manager, intelligent robot products, FANUC America. “Quick, accurate, and reliable inspections help companies produce the highest quality products in the shortest timeframes.”

### **FANUC LR Mate 200*i*D Robots**

The family of LR Mate 200*i*D robots is a versatile solution for a wide range of manufacturing operations that require access into small spaces. A very slim arm about the same size as a human arm, and a bottom cable exit option minimize interference with peripheral devices. The LR Mate 200*i*D robots offer a “best in class” work envelope for both upright and invert mount installations.

The LR Mate 200*i*D robots are also available with ISO Class 4 clean-room and food-grade variants for food handling and healthcare packaging applications.

**LR Mate 200iD Features and Benefits**

- Slim arm and compact foot print minimizes interference to peripheral devices in narrow spaces.
- Four to seven kg wrist load capacity with six-axis articulation.
- Best in class work envelope simplifies system layout.
- Fastest joint axes speeds maximize system throughput.
- Integrated 24VDC power, signal and air for easy end-of-arm-tool connection.
- Integrated thru-arm cable option for *iR*Vision, force sensing, Ethernet and auxiliary axes.
- Flexible mounting (upright, invert, angle).
- High rigidity and the most advanced servo technology enable smooth motion at high speeds.
- Easy integration into machines.
- Features lightest mechanical unit in its class.
- IP67 rating allows operation in factory environments with dust and oil mist.
- Latest LR Mate 200iD/4SC clean-room model is ISO Class 4 (Class 10) clean-room certified for electronics, pharmaceutical and food applications. It features a white FDA compliant coating, stainless steel wrist, and NSF-H1 grade grease on all joints to provide reliable performance in demanding production environments, including rigorous sanitation procedures.

**FANUC *iR*Vision**

FANUC *iR*Vision is a truly integrated, plug-and-go vision system that runs on the standard CPU of every FANUC R-30iB controller without any additional hardware. A single source solution developed and supported by FANUC, *iR*Vision 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-30iB Mate Controller**

The FANUC R-30iB Mate Controller uses high-performance hardware and the latest advances in network communications, integrated *iR*Vision, and motion control functions. The R-30iB Mate Controller features 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.

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Based on the latest FANUC Series 30iB CNC Controller, the R-30iB Mate Robot Controller is compact, providing customers a significant space savings. The R-30iB 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.

**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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