

**FANUC Demonstrates  
High-Speed Aluminum Spot  
Welding Applications at IMTS 2016**

**For Immediate Release**

**ROCHESTER HILLS, MI – (Sept. 12, 2016)** FANUC America Corporation will demonstrate flow drill screwing with the new R-2000iC/270F robot and aluminum spot welding with Learning Vibration Control (LVC) with the R-2000iC/210F robot at IMTS 2016, booth #S-8919.

At the show, a new FANUC R-2000iC/270F robot demonstrates simulated flow drill screwing on a fixed-mounted aluminum automotive underbody. The R2000iC/210F equipped with a wireless Learning Vibration Control (LVC) sensor will simulate adaptive aluminum spot welding. A monitor will demonstrate the advantages of FANUC's patented LVC software to improve robot performance by learning the characteristics of programmed paths and then speeding them up while maintaining the programmed paths and smooth motion. Motion cycle time is reduced by up to 15% with the added benefit of smoother overall motion. The cell will feature the speed and articulation of the R-2000iC robots. In addition, several robot options for HMI interfaces will be displayed on a Rockwell Automation PanelView Plus including Remote *i*Pendant and Jog-in-Auto-Mode options.

## **Intelligent R-2000iC Robots**

The new R-2000iC/270F and R-2000iC/210F are part of FANUC's popular R-2000iC family of industrial robots, including pedestal and rack mount versions with a variety of payloads and reaches. The R-2000iC/270F has a 270 kg payload and high rigidity allowing single-sided applications. The R-2000iC/210F has a 210 kg payload. Both robots are equipped with a variety of intelligent functions including modular cabling, quick motor connection and reduced spare part requirements.

## **R-2000iC Features and Benefits**

- R-2000iC/270F robot has a 270 kg payload and 2655 mm reach.
- R-2000iC/210F robot offers a 210 kg payload and 2655 mm reach.
- Fast and accurate with FANUC's world-renowned motion control technology.
- Multiple mounting options including floor, rack, angle and ceiling.
- Optional Solution Arm dressout package with internal cable routing for spot welding processes.
- IP67 rated wrist allows operation in wet conditions.
- Supports a wide range of intelligent functions including *i*RVision and Force Sensing.

## **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; Houston; Los Angeles; Minneapolis; Montreal; Pine Brook, NJ; Pontiac, MI; San Francisco; Seattle; Toronto; Buenos Aires, Argentina; Sao Paulo, and Manaus, Brazil; and Aguascalientes, Mexico City, and Monterrey, 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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