

**FANUC America Highlights  
Robotic and CNC Education Solutions  
at IMTS 2016**

**For Immediate Release**

**ROCHESTER HILLS, Mi – (Sept. 12, 2016)** – FANUC America Corporation, the leading supplier of robots, CNCs and factory automation, will highlight robotic and CNC solutions designed for the education market at IMTS 2016 in the Smartforce Student Summit, booth NC-619.

“Now more than ever, manufacturers use automation to maximize their productivity,” said Paul Aiello, director, FANUC Certified Education Training (CERT). “That’s why high-paying careers in advanced automation are in demand today. Our CERT program provides manufacturers and educators a STEM-based curriculum centered on robotics and automation training, preparing students for high-tech careers in advanced manufacturing.”

A wide range of education solutions will be on display, including:

FANUC M-1iA Pill Sorting Cell – “Race the Robot!”

Visitors to FANUC America’s CERT education booth NC-619 will have the opportunity to test their skills in a race versus a FANUC M-1iA robot to pick and place small pills of three different colors into separate containers. This unique cell is designed to be a fun opportunity for visitors to race an industrial robot, as well as create interest in students to learn more about industrial robots, their real-world applications, and learning and career opportunities in STEM education.

FANUC CNC Simulator

The FANUC CNC simulator is the perfect addition to the classroom, providing maximum exposure to FANUC CNC controls when actual machine time is limited. Based on the FANUC 0iF platform, students can learn programming, navigation and operation on the world’s most popular CNC control. The FANUC CNC Simulator can operate in milling or turning configuration to provide students with a variety of experience.

Simple configurations make it easy to learn how to operate and edit data on a modern FANUC control. The FANUC MANUAL GUIDE *i* conversational programming interface allows users to graphically generate programs that are simulated in 3D, and then convert the programs back to conventional NC programs for use on machine tools using FANUC controls. Students use Flash ATA and USB interfaces to upload and download (read and punch), and DNC functions are supported by Ethernet and Flash ATA card.

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### Dual Check Safety (DCS) Fenceless CERT Carts Including New Collaborative DCS Fenceless CERT Cart

At the show, attendees will be able to safely approach and interact with FANUC's new CR-7iA/7L Collaborative in the DCS Fenceless Zones CERT Cart demonstrations on display. The CR-7iA/7L operates with no safety fences surrounding it. Instead, it uses DCS and a series of area scanners to safely monitor robot motion area and speed, and any intrusions into each zone surrounding the robot. The CR-7iA/7L robot is equipped with highly-sensitive contact detection allowing them to share workstations with people.

Additionally, attendees will be able to safely approach and interact with any one of three FANUC LR Mate 200iD/4S robots in the DCS Fenceless Zones CERT Cart demonstrations on display, as well as a FANUC LR Mate 200iD paired with a FANUC ROBODRILL Small Machining Center in a DCS Fenceless demonstration of machining capabilities in a classroom setting.

Ergonomic features of these highly portable education units include a fold up tabletop that is easy to expand and collapse, locking caster wheels, and easy power on with a simple wall outlet plug. The open tabletop design of the DCS Fenceless Zones CERT Cart offers the robot over 180 degrees of movement. This wide robot motion range offers greater programming flexibility and operation. Additionally, the robot's end-of-arm tool comes with many options, further adding to the product's flexibility.

In the DCS Fenceless Zones CERT Cart, the robot moves at normal speed when no operator is in the monitored zones. If an operator approaches the "slow down zone," area sensors detect the intrusion and the robot slows down. If the operator enters the robot motion area or "stop zone," the robot comes to a complete stop. An integrated safety stack light indicates zone activity.

"The area sensors surrounding the platform create a virtual wall around the robot, allowing an operator to load or unload parts to the part tray," said Aiello. "This allows for convenience of easy part changeover and interaction between the instructor or student and the robot without the need for safety fences."

### New CERT Levil WL-F-400B Mill with LR Mate 200iD Robot

The Levil WL-F-400B Mill is a portable, compact industrial machine designed for use in the classroom to familiarize students with milling practices, including machine programming, setup and operation.

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The mill uses the world-renowned FANUC 0i-Mate MODEL D control, runs on a standard single-phase 110vAC outlet, and can be moved from class to class through standard doorways.

“The FANUC CNC mill offers a small footprint allowing it to easily fit into student labs,” said Dean Steadman, manager, CNC education development, FANUC America. “For those new to milling operations, hands-on learning on our smaller equipment is much less intimidating than the larger machines.”

At the show FANUC CERT’s new Levil milling machine will be on display, paired with a FANUC LR Mate 200iD/4S robot.

### **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; 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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