

**FANUC Demonstrates
Intelligent Deburring
With New M-20iB/25
Robot at IMTS 2016**

For Immediate Release

ROCHESTER HILLS, MI – (Sept. 12, 2016) FANUC America Corporation will demonstrate deburring of a casting with the new M-20iB/25 robot at IMTS 2016, booth #S-8919.

The M-20iB/25 six-axis robot uses *iR*Vision® to select a work piece from a pallet and place it onto a clamp for deburring. The robot then uses Image-to-Path software to develop a deburring path. Next, a robot-mounted FANUC FS-40iA force sensor is used to maintain a consistent force against the part as the robot moves the cutting tool along the path. The robot places the finished work piece on a pallet. Finally, the robot uses the force sensor and a gauge to check deburring tool wear and automatically exchanges worn cutting tools for new tools.

The cell highlights the robot's compact size and payload capabilities, ability to handle two different work pieces, and automatic tool wear check and replacement for lights-out manufacturing. In addition, the system features Image-to-Path which automatically generates edge deburring programs using ROBOGUIDE and *iR*Vision. Designed as a deburring support tool, the Force Control Deburring Package allows manufacturers to easily adapt to casting variations in machined parts.

FANUC Intelligent M-20iB/25 Robot

FANUC America's new M-20iB/25 is a six-axis material handling robot designed to handle parts in a variety of applications such as material removal, machine load/unload, assembly, picking/packaging and part transfer.

The new robot offers a rigid and compact design with a sealed structure (integrated utilities and motors), and a rear or bottom exit for cables. The entire robot is rated IP67, allowing it to withstand harsh environments.

The robot has a slim arm which minimizes interference with peripheral equipment, a long reach of 1853 mm, and a 21% increase in axis speed compared to the previous model.

M-20iB/25 key features and benefits

- Six-axis design with 25 kg payload.
- Completely enclosed design, making the entire robot sealed and IP67 protected to withstand unique/harsh environments.

- Internally routed utilities offering solenoid valves, camera cables, Ethernet, ASi cable, force and 3DL sensor cable, and EE utility.
- Slim arm and compact foot print minimizes interference to peripheral devices in tight work spaces.
- Flexible floor, ceiling and angle mounting options.
- Highly rigid bilateral design, and the most advanced servo technology enable smooth motion at high speeds.
- Supports FANUC's latest intelligent features including *iRVision* 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. Also, connect with us on [YouTube](#), [Twitter](#), [Facebook](#), [Google+](#) and [LinkedIn](#).

FANUC America Corporation PR contacts:

Derek Sheedy
Marketing Communications Specialist - CNC
FANUC America Corporation
T: 847-898-5679
E: derek.sheedy@fanucamerica.com

Cathy Powell
Industry Marketing Manager – Robotics and ROBODRILLS
FANUC America Corporation
T: 248-377-7570
E: cathy.powell@fanucamerica.com

###