

**FANUC Demonstrates
Ultra-Heavy Lifting Capabilities of
New M-2000iA/1700L Robot
at IMTS 2016**

For Immediate Release

ROCHESTER HILLS, MI – (Sept. 12, 2016) FANUC America Corporation will demonstrate the ultra-heavy payload and long-reach capabilities of the new M-2000iA/1700L robot at IMTS 2016, booth #S-8919.

At the show, a FANUC M-2000iA/1700L robot demonstrates its long reach and heavy payload capabilities. The robot will lift a fully-functional 2016 Chevrolet Corvette Stingray through a series of vertical, horizontal and angular motions to demonstrate its flexibility and range of motion. DCS Speed and Position Check Software restricts the travel of the robot within an exact work space, and DCS Orientation Check Function restricts the angles that the car can be tipped.

The M-2000iA robot series is ideal for automotive and other large component manufacturers with heavy-payload applications looking to reduce costs associated with conventional conveyors and lifting devices.

FANUC M-2000iA super-heavy payload robots

The super-heavy payload M-2000iA series of robots includes four models with payload capabilities ranging from 900 kg to 2300 kg with full wrist articulation and large work envelopes to meet a variety of applications. The robots are ideal for transferring extremely heavy items such as truck, tractor and automotive frames, loaded pallets and large castings.

The M-2000iA series, like all FANUC robots, operate with the company's integrated intelligent functions such as vision and force sensing.

M-2000iA key features and benefits

- Payload capabilities ranging from 900 kg to 2300 kg.
- Rigid arm offers stable transferring of heavy payloads.
- Strongest wrist in the world handles super heavy products with stability.
- Wrist is IP67 protected for operation in harsh environments.
- Built-in iRVision and force sensing.
- Reduces costs associated with fixed automation.

Dual Check Safety (DCS) Speed and Position Check Software

Prior to the application of safety rated robot software, all safeguarding of the robot needed to be external, and required a safety rated limit switch or cam system, safety rated area scanners, or other devices to limit robot travel or enhance protection. DCS safety rated robot software provides safety rated speed and position monitoring.

The most significant benefit of DCS is in applications where the travel of the robot needs to be restricted due to floor space or process limits that are less than the full reach of the robot. Limiting the robot's motion in Cartesian space means the robot is restricted to exactly the area in which it works; something that is not possible with the current systems that limit robot motion externally using limit switches.

Dual Check Safety (DCS) Orientation Check Function

The Orientation Check function checks the difference between the current robot faceplate orientation and the base faceplate orientation, and shuts down the motor power if it is greater than the defined limit.

DCS key features and benefits

- Provides safety-rated speed and position monitoring.
- Software option that requires no additional safety hardware and relays.
- Flexible safety zones change the robot's work area depending on the application.
- Flexible orientation limits safely limit or restrict tool orientation to ensure safe operation.
- Prevents the robot from entering the load area when an operator is present.
- Safe zones may be enabled and disabled from an external source such as a safety PLC.

.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](#).

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