

FANUC America Introduces New ARC Mate 100iC/8L at Fabtech 2015

For Immediate Release

ROCHESTER HILLS, Mich., Nov. 9, 2015 – FANUC America Corporation will introduce its new ARC Mate 100iC/8L welding robot during Fabtech, Nov. 9-12 at McCormick Place, Chicago, booth #N-14025.

At the show, a new ARC Mate 100iC/8L robot will use *iR*Vision® to locate the orientation of a tube boiler located on a FANUC two-axis positioner. The robot and positioner work in coordinated motion as the robot simulates welding parts. After welding is completed the robot will perform a series of coordinated movements and the sequence repeats.

Intelligent ARC Mate Robot Series

The new ARC Mate 100iC/8L offers a 2,028 mm reach and 8 kg payload. Compared to the previous model, the new robot features a 30% reduction in power consumption, weighs 40% less, and offers a long, slim arm with a larger range of motion. An enhanced motor and servo system shortens cycle times, which improves productivity.

“The ARC Mate 100iC/8L is designed to help manufacturers boost production times while lowering energy costs,” said Jason Munson, welding engineer, FANUC America Corporation. “Its long reach and slim arm allows it to easily weld large parts, even in a small work space. In addition, the robot’s excellent motion range with the industry’s best reach and stroke ratio ease part placement and accessibility.”

The ARC Mate 100iC/8L, like all FANUC robots, operates with the company’s latest R-30iB controller with integrated intelligent functions such as vision and integrated secondary control, ROBOGUIDE Simulation, and DCS Speed and Position Check Software.

The series of six-axis ARC Mate 100iC robots include the new ARC Mate 100iC/8L, the ARC Mate 100iC/12 with a 1,420 mm reach and a 12 kg payload, and the ARC Mate 100iC/7L with a 1,632 mm reach and a 7 kg payload. Strong and rigid, the ARC Mate 100iC robots offer high speeds and smooth motion.

A hollow wrist offers easy routing of cables and tubes, eliminating cable management issues. Compared to traditional dress packages, which are mounted externally on the robot’s arm, the internal routing of the ARC Mate 100iC allows the dress package to follow the motion range of the robot, simplifying programming and eliminating the worries of bending, snagging or breaking cables.

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ARC Mate 100*i*C robots and the R-30*i*B Controller can be integrated in a welding system that includes the weld torch cable, wire feeder, and welding power supply.

ARC Mate 100*i*C Features and Benefits

- ARC Mate 100*i*C robot series handle payloads from 7-12 kg
- Offers a six-axis design for maximum flexibility
- Compact robot fits into tight workspaces
- All position mounting (including floor, invert and angle) with J3 flip over
- A hollow wrist allows tooling cables to be routed internally, minimizing wear and tear
- Supports FANUC's latest intelligent features including *i*RVision
- Optional ServoTorch, integrated pull wire feeder with touch retract-start
- ArcLink XT™, the industry's first Ethernet-based welding network
- High-motion range including 'best in class' reach versus stroke

FANUC *i*RVision

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

R-30*i*B and R-30*i*B Mate Controller

The FANUC R-30*i*B and R-30*i*B Mate Controller use high-performance hardware and the latest advances in network communications, integrated *i*RVision, and motion control functions. The R-30*i*B Controllers feature 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.

Based on the latest FANUC Series 30*i*B CNC Controller, the R-30*i*B and R-30*i*B Mate Robot Controllers are compact, providing customers a significant space savings. The R-30*i*B 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. The R-30*i*B Controller offers an optional power regeneration feature.

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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. Also, connect with us on [YouTube](#), [Twitter](#), [Facebook](#), [Google+](#) and [LinkedIn](#).

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