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**MOTOMAN® MA3100 “MASTER ARC” WELDING ROBOT
PROVIDES EXTENDED-REACH; REDUCES NEED FOR TRACKS**



DAYTON, OH (AUGUST 3, 2010) — The MA3100 “Master Arc” welding robot features an extended-reach arm that reduces the need for tracks. It is the longest robot arm designed for arc welding. Available in floor-, wall- or ceiling-mounted configurations and ideal for multiple robot layouts, the MA3100 reduces welding cycle time due to cutting-edge Sigma-5 motor control technology and new ARM (Advanced Robot Motion) control.

The MA3100 has a 3 kg (6.6 lb) payload, 3,121 mm (122.9”) horizontal reach, 5,615 mm (221.1”) vertical reach and ± 0.15 mm (± 0.006 ”) repeatability. Its integrated through-the arm cabling eliminates cable interference, simplifies programming and reduces cable wear. Welding utilities (gas hose and feeder signals) can be routed through the robot base. The MA3100 is perfectly suited for use in workcells with larger workpieces, as well as for applications that require access to parts in tight spots or those with possible interference from fixtures.

The MA3100 robot uses Motoman Robotics’ dynamic, next-generation DX100 controller that features patented multiple robot control technology to easily handle multiple tasks and control up to eight robots (72 axes), I/O devices, and communication protocols. Featuring a robust PC architecture with unmatched memory capacity, the DX100 uses a Windows® CE programming pendant with color touch screen. Menu-driven arc welding software is provided. Digital welding interfaces are supported for Miller Auto-Access™ and other brands of power sources. The energy-saving DX100 controller features faster processing speeds for smoother interpolation, advanced robot arm motion, built-in collision avoidance, quicker I/O response and accelerated Ethernet communication. It is compliant to ANSI/RIA 15.06-1999 and other relevant ISO and CSA safety standards.

ABOUT Motoman Robotics

Founded in 1989, the Motoman Robotics Division of Yaskawa America, Inc. has grown to become the second largest robotics company in the Americas with an installed base of over 30,000 units. Its products include robotic automation solutions for virtually every industry and robotic application, including arc welding, assembly, coating, dispensing, material handling, material cutting, material removal and spot welding operations. For more information please visit our website at www.motoman.com

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