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**MOTOMAN® MA1650T “MASTER ARC” INVERTED WELDING ROBOT
PROVIDES GREATER WORKING RANGE, ENVELOPE DEPTH**



DAYTON, OH (AUGUST 3, 2010) — Slim and fast, the 6-axis MA1650T “Master Arc” welding robot features a “reversed” lower arm that provides a greater working range and depth of envelope. Available in ceiling- or wall-mounted configurations, the MA1650T offers a greatly expanded working range when combined with MotoSweep™ radial gantry. The unique arm configuration avoids the reach limitations of a standard robot when inverted.

The space-saving MA1650T robot increases productivity due to its cutting-edge Sigma-5 motor control technology. It features a 10 kg (22.1 lb) payload, 1,653 mm (65.1") horizontal reach, 2,935 mm (115.6") vertical reach and ±0.08 mm (±0.003") repeatability. Its integrated through-the-arm torch cabling eliminates cable interference, simplifies programming and reduces cable wear. Feeder cable and welding utilities (gas and air hoses) can be routed through the robot base.

The MA1650T 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-Axcess™ 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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