

# MOTOMAN NEWS RELEASE

Photo filename: MA1400.jpg

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## **NEW!** MOTOMAN MA1400 "MASTER ARC" WELDING ROBOT INCREASES PRODUCTIVITY; PROVIDES ULTIMATE IN WELDING PERFORMANCE

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Dayton, Ohio — Fast and highly flexible, Motoman's new 6-axis MA1400 "Master Arc" welding robot significantly increases uptime by integrating the torch into the upper arm. Available in floor-, wall- or ceiling mounted configurations and ideal for high-density layouts, the space-saving MA1400 robot increases productivity due to its cutting-edge SIGMA V motor control technology.

The MA1400 robot has a 3 kg (6.6 lb) payload, 1,434 mm (56.5") horizontal reach, 2,511 mm (98.9") vertical reach and  $\pm 0.08$  mm ( $\pm 0.003$ ") repeatability. Its integrated through-the-arm torch cabling eliminates cable interference, simplifies programming and reduces cable wear. Power cable and welding utilities (gas and air hoses) can be routed through the robot base. The MA1400 is perfectly suited for use in high-density workcells with multiple robots working in close proximity, as well as for applications that require access to parts in tight spots or those with potential interference from fixtures.

The MA1400 robot uses Motoman's 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. 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. Its extensive I/O suite includes integral PLC and HMI pendant displays, 2,048 I/O and a graphical ladder editor that can provide system level control. The DX100 controller supports all major fieldbus networks. It is compliant to ANSI/RIA 15.06-1999 and other relevant ISO and CSA safety standards.

For more information on Motoman products and services, visit the corporate web site at [www.motoman.com](http://www.motoman.com) or call 937.847.6200.

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