

# MOTOMAN NEWS RELEASE

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## **NEW! MOTOMAN'S COMPACT NX100M CONTROLLER: IDEAL FOR SMALL PAYLOAD MATERIAL HANDLING/PALLETIZING APPLICATIONS**

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Dayton, Ohio — Due to its compact design, the new Motoman NXM100 controller easily fits underneath conveyors or the controller cabinets can be stacked to provide floorspace savings in material handling/palletizing applications. The high-performance NXM100 controller delivers all of the same features of the full-sized NX100 controller in a much smaller “mid-size” cabinet. It is available with smaller HP-Series robot models (HP3M, HP3XFM, HP3LM, HP5M, HP6M, HP6RM, HP6SM and HP6RSM) with payloads from 3-6 kg (6.6-13.23 lbs), and the new four-axis, YS-Series SCARA arms (YS450, YS650, YS650L and YSH850L) with payloads from 5-20 kg (11-44.1 lbs.). The NXM100 provides patented multiple robot control capability (up to FOUR robots with one pendant, open communication, and integrated cell control. It has the ability to fit one optional external axis servo amplifier for seventh axis control.

The NX100M robot controller features a Windows® CE programming pendant with color touch screen; high-speed processing; unmatched memory (60,000 steps, 10,000 instructions); easy-to-use INFORM III programming language; a robust PC architecture; and built-in Ethernet. The NXM100 includes four levels of password protection for up to 100 individual users. A convenient compact flash slot on the pendant enables easy memory back-ups. All operator controls are located on the pendant, allowing the control cabinet to be mounted remotely. Dynamic interference spheres protect the robot arm, providing collision avoidance/arm interference prevention. Advanced Robot Motion (ARM) control provides high-performance path accuracy and vibration control. Best-in-class path planning dramatically reduces teaching time.

The NXM100 controller also offers unmatched connectivity, highly flexible Fieldbus support, and easy connection to an information infrastructure through standard network options for DeviceNet, ControlNet, Profibus-DP, EtherNet/IP, and many others. An optional web server that allows remote monitoring and diagnosis is available. Dual-channel safety features include enhanced E-stop functionality, integrated speed monitoring, manual brake release for the robot.

By eliminating the need for a separate PLC, PC-based human machine interface (HMI), and separate password protection hardware, and by providing a standard Ethernet port and an onboard graphical ladder editor, the NXM100 delivers significant savings at the system level, while also decreasing system complexity and improving overall system reliability.

For more information on Motoman products and services, visit the corporate website at [www.motoman.com](http://www.motoman.com), call 937.847.6200 or write to Motoman Inc., 805 Liberty Lane, West Carrollton, Ohio, 45449 USA.

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