

MOTOMAN NEWS RELEASE

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MOTOMAN'S ADVANCED NX100 CONTROLLER PROVIDES ROBOT AND SYSTEM-LEVEL CELL CONTROLS



Dayton, Ohio — Motoman's revolutionary NX100 robot controller features a Windows® CE programming pendant with color touch screen, high-speed processing, unmatched memory (60,000 steps, 10,000 instructions), built in Ethernet, and a robust PC architecture. It easily handles multiple tasks, with unmatched ability to control up to FOUR robots (up to 36 axes, including robots and external axes), and I/O devices from a single point of control. Dual-channel safety features include enhanced E-Stop functionality, integrated speed monitoring, manual brake release switch, and compliance with the ANSI/RIA R15.06-1999 and Canadian safety standards.

The NX100 has been transformed from a robot controller into a robust system-level cell/robot controller. Technologically advanced, the NX100 controller provides significant cost savings at the system level, while also decreasing system complexity and improving overall system reliability. It features an integrated "soft PLC" with increased I/O (1,024), faster scan time, and support for larger ladder programs (10,000 steps), and a graphical ladder editor that runs on the pendant. The NX100 readily connects to a variety of fieldbus networks, including DeviceNet, ProfiBus, EtherNet/IP, etc.

MULTIPLE ROBOT CONTROL

The NX100 offers unmatched cost savings in multiple robot configurations, requiring only one 'full' control unit, coupled with add-on robot modules configurable for two, three, or four robots. With this modular approach, the NX100 eliminates unnecessary cost found in 'traditional' multiple robot configurations that combine two, three, or four 'full' controllers.

Motoman's highly advanced NX100 robot controller is now available in compact DRC, TRC, and QRC configurations that provide the same, unmatched dual-, triple-, and quad-robot control capabilities – in a smaller cabinet that requires 19%, 25% and 28% less floorspace than the standard controller configurations respectively. The compact cabinet is 250 mm (9.84") narrower, and fewer components also allow Motoman to provide the DRC, TRC and QRC versions at a reduced cost.

ADDITIONAL FEATURES

The NX100 offers up to 100 user passwords available in four security levels: user, editor, maintenance, and supervisor. The password restricts and logs the changes made to production programs. By eliminating the need for a separate PLC, PC-based human machine interface (HMI), and separate password protection hardware, and by providing Ethernet port (with TCP/IP and FTP protocols) standard, the NX100 provides unmatched connectability. It also supports an optional web server that allows remote monitoring and diagnosis through the Internet or local network.

The Windows[®] CE based pendant features a large, 6.5" color touch-screen display that can be configured as a custom Human Machine Interface (HMI) with buttons and status indicators. The pendant also features a built-in compact flash card slot for easy memory back-up. The use of a unique cross-shaped navigation cursor reduces teaching time by 30 percent.

The NX100 achieves high-performance path accuracy and vibration control, using improved Advanced Robot Motion (ARM) control algorithms. Best-in-class path planning features dramatically reduce teaching time. The NX100 uses the enhanced INFORM III programming language and provides backward compatibility with INFORM II language used by the XRC controller. Programs written on the XRC controller will run without modification on the NX100.

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

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