

# MOTOMAN NEWS RELEASE

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## MOTOMAN NOW OFFERS MULTIPLE-ROBOT CONTROL OF UP TO FOUR ROBOTS AND PATENTED PROGRAMMING METHOD

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**Dayton, Ohio** — Motoman is the first and only robot company in the industry to offer multiple-robot control of up to **four** robots (36 axes) from a single point of control, which not only meets the ANSI/RIA R15.06-1999 safety standard, but also makes programming easier and safer, and reduces integration costs. The method of programming received a U.S. patent for the unique manner in which it simplifies programming.

The XRC 2001 robot controller supports independent or synchronized robot operation with coordinated motion, providing tremendous application flexibility. For example, four robots can weld simultaneously on a part to quadruple productivity. Or, one handling robot can serve as a flexible part positioner for processing by up to three processing robots in Autonomous Robot Cell (A.R.C.®) applications. The XRC 2001 controller uses advanced “arm interference” software to eliminate robot crashes and also simplifies programming of robots with tracks and positioners.

The multiple robot controller also provides flexibility for future deployment. Multiple controllers can be used together for two-, three- or four-robot applications and can later be separated for future use in individual robot applications.

The patented method of programming allows for two jobs to run simultaneously by designating one of the jobs (and its associated control group) as “master.” The advantage to this method is that programming time has been reduced by half, when compared to a method in which all three devices are recorded at the same time.

### **Extraordinary Performance!**

The XRC 2001 controller’s multi-tasking capability allows independent job control for up to six concurrent tasks (any combination of up to four robot motion jobs, external axis jobs, I/O instruction jobs, and communication jobs). The robots can perform coordinated movements or independent tasks. The XRC 2001 controller also eliminates the risk of collisions between robots using industry-leading arm interference technology that includes the entire upper arm.

With a high-performance 200 MIPS Motorola PowerPC CPU, the XRC 2001’s fast processing speed reduces start-up time. In addition, response time is quicker for display update time, I/O response time, and servo power on.

### **Extremely Easy-to-Operate!**

The design of the XRC 2001 controller’s programming pendant reduces keystrokes, programming time, and fatigue, and increases safety. This pendant features a lightweight and compact design, large 5.7" LCD display, teach

lock key, and easy-access key layout. Easy-to-use INFORM II programming language features Windows®-like pull-down menus and operation-mode dependent icons, direct open and reserve display keys, and customizable keys for external device control.

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

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