

MOTOMAN NEWS RELEASE

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MOTOMAN HP-SERIES ROBOTS DELIVER HIGH-SPEED, FLEXIBILITY AND HYPERPRODUCTIVITY® IN VARIETY OF APPLICATIONS

Dayton, Ohio —With payloads from 3 to 165 kg (6.6 - 363.8 lbs.), Motoman's new HP-series robots are dynamic, flexible six-axis manipulators that deliver HyperProductivity® in a wide variety of applications. These high-performance robots excel at a wide variety of applications, including product transfer, packaging, case packing, and palletizing. The HP6 and HP20 robots can be used for arc welding; likewise, the HP165 can be used for spot welding. Industry-leading speed ensures high performance in complex handling motions and other operations in a multi-function workcell.

HP-series robots are compact and require minimal installation space. They can be placed close together to reduce overall floor space requirements or placed close to conveyors, positioners, and other equipment to improve part/product accessibility.

<u>Robot Model</u>	<u>Payload</u>	<u>Reach</u>	<u>Repeatability</u>
HP3	3 kg* (6.6 lbs.)	701 mm (27.6")	±0.03 mm (±0.001")
HP6	6 kg (13.2 lbs.)	1,378 mm (54.25")	±0.08 mm (0.003")
HP20	20 kg (44.1 lbs.)	1,717 mm (67.6")	±0.06 mm (0.002")
HP165	165 kg (363.8 lbs.)	2,651 mm (104.4")	±0.2 mm (0.008")

** 5 kg (11.03-lb.) payload optional with HP3 robot*

HP-series robots are controlled by Motoman's new, high-performance NX100 robot controller that builds on Motoman's patented Multiple Robot Control technology, making it even faster and easier to use, while also offering unmatched connectivity and a revolutionary user interface, based on industry-standard Windows® CE, that reduces system complexity.

Advanced Robot Motion (ARM) control provides high performance path accuracy and vibration control. Dynamic acceleration is based on payload, so cycle time is reduced. Programmable acceleration and deceleration eliminates approach points and results in reduced teaching time. PC-based offline programming is available as an option to simplify programming of palletizing applications.

The Multiple Robot Control capability of the NX100 allows the ability to operate up to four robots (36 axes of motion) from a single controller – offering a patented method of multiple robot control, as well as a single point of control from one programming pendant to maximize productivity. Multiple Robot Control reduces the risk of collision. Using a single controller versus four separate controllers also reduces integration costs due to less I/O and safety hardware, fewer wiring points, and reduced wiring and engineering labor.

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.

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