

# MOTOMAN NEWS RELEASE

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## **NEW! MOTOMAN'S HP-SERIES ROBOTS WITH COMPACT NXC100 CONTROLLER; IDEAL FOR HIGH-SPEED SMALL PARTS HANDLING AND ASSEMBLY**

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Dayton, Ohio — Motoman's new high-speed, compact HP-series robots with compact NXC100 controller deliver superior performance in small part applications, such as assembly, inspection, kitting, material handling, and packaging and minimize controller footprint. The HP3XFC robot is one of a family of 5 kg and smaller payload robots that also includes the HP3C, HP3LC and HP5C. These six-axis robots feature brakes on all axes and can be floor-, ceiling-, or wall-mounted to provide additional flexibility.

### **MODELS/SPECIFICATIONS:**

| <u>Robot Model</u>    | <u>Payload</u>      | <u>Horizontal Reach</u> | <u>Vertical Reach</u> | <u>Repeatability</u> |
|-----------------------|---------------------|-------------------------|-----------------------|----------------------|
| HP3C                  | 3 kg<br>(6.6 lbs)   | 701 mm<br>(27.6")       | 1,163 mm<br>(45.8")   | ±0.03 mm<br>(0.001") |
| HP3LC                 | 3 kg<br>(6.6 lbs)   | 859 mm<br>(33.8")       | 1,469 mm<br>(57.8")   | ±0.04 mm<br>(0.002") |
| HP3XFC ("Extra Fast") | 3 kg<br>(6.6 lbs)   | 701 mm<br>(27.6")       | 1,163 mm<br>(45.8")   | ±0.03 mm<br>(0.001") |
| HP5C                  | 5 kg<br>(11.03 lbs) | 701 mm<br>(27.6")       | 1,163 mm<br>(45.8")   | ±0.03 mm<br>(0.001") |

All of the HP-series robots with the "C" designation use the compact NXC100 robot controller, one of the smallest controllers in its class. The NXC100's compact design minimizes footprint requirements and allows it to be easily mounted under conveyors, in control cabinets or in other small spaces. The NXC100 controls the robot axes and can be configured to accommodate components, such as a linear track, providing additional flexibility for system layout.

The NXC100 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 uses the same INFORM III programming language as the Motoman NX100 controller, and

also offers an on-board graphical ladder editor. The NXC100 features four levels of password protection for up to 100 individual users.

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, USA 45449.

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