## **PRESS RELEASE**

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**Yaskawa Motoman MH12 Robot Provides Superior Performance in Wide Range of Applications**

**Dayton, OH (September 2016)** — The MH12 six-axis robot provides superior performance in assembly, dispensing, material handling, machine tending and packaging applications. It features a curved upper arm that enhances its reach and allows a wider range of applications. This patented double yoke design also offers additional strength if the robot crashes due to a programming error.

Thru-arm cable routing provides longer cable life and reduces the risks of snagging or interference. A large   
50 mm thru-hole in the upper arm provides ample space to minimize wear and maximize cable life.   
Because the end effector cabling is frequently the highest maintenance item on a robot, this can increase the reliability of installations.

This model has a 1,440 mm (56.7") reach and a large work envelope that extends behind the robot, permitting space for robot tool storage or maintenance. The MH12 robot features an increased 12 kg (26.5 lb) payload, and higher moment and inertia ratings over previous “payload class” models, enabling it to carry larger and heavier payloads. It has brakes on all axes and can be floor- or wall-mounted for layout flexibility.

The MH12 has a small interference radius that allows the robot to be placed close to other equipment, decreasing floor space requirements. A mounting surface is provided on the back of the upper arm for junction boxes or pneumatics. Mounting in this area provides a lower profile to the robot and avoids interferences within the cell.

Exceptionally fast axis speeds, acceleration and deceleration reduce cycle times and increase production output. The MH12 is the fastest robot in its class due to Sigma-5 motors and ARM (Advanced Robot Motion).

The standard MH12 has an IP67-rated wrist and an IP54 body. A variety of optional features are available. MH12 robots are compatible with the new DX200 controller.

The DX200 controller features patented multiple robot control technology to easily handle multiple tasks and control up to eight robots (72 axes). The DX200 has been designed to improve process capability, reduce energy usage, and improve maintainability and safety. An enhanced Functional Safety Unit (FSU) provides control-reliable zone and tool position monitoring, standstill monitoring and speed limiting. This can reduce costs for safeguarding hardware, and it provides new capabilities such as collaborative tasks. It is compliant to ANSI/RIA R15.06-2012 and other relevant ISO and CSA safety standards.

# About Yaskawa Motoman

Founded in 1989, the Motoman Robotics Division of Yaskawa America, Inc. is a leading robotics company in the Americas. With over 300,000 Motoman® robots installed globally, Yaskawa provides automation products and solutions for virtually every industry and robotic application; including arc welding, assembly, coating, dispensing, material handling, material cutting, material removal, packaging, palletizing and spot welding. For more informationplease visit our website at [www.motoman.com](http://www.motoman.com) or call 937.847.6200.

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