

MOTOMAN NEWS RELEASE

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MOTOMAN EH-SERIES "EXPERT HANDLING" ROBOTS SET A NEW STANDARD FOR SPEED WITH A LARGE ROBOT



Dayton, Ohio — Motoman's EH-series "Expert Handling" robots set a new standard for speed with a large robot. Compared to general-purpose robots, the EH-series offers up to a 22% increase in speed depending on model. These high-speed, high payload robots are specifically designed for high duty cycle material handling and offer superior performance in machine tending and material handling applications. Large work envelopes and the ability to bend over backwards, allow tools to be stored behind the robot, allowing better clearance for maintenance. Five EH models are available. These robots include an IP67 rated wrist for protection in machining environments.

	EH80	EH130	EH165	EH200	EH200-150
Payload	80 kg (176.4 lbs)	130 kg (286.7 lbs)	165 kg (363.8 lbs)	200 kg (441 lbs)	150 kg (330.75 lbs)
Vertical Reach	3,557 mm (140")	3,372 mm (132.8")	3,372 mm (132.8")	3,372 mm (132.8")	4,090 mm (161")
Horizontal Reach	2,051 mm (80.7")	2,651 mm (104.4")	2,651 mm (104.4")	2,651 mm (104.4")	3,010 mm (118.5")
Repeatability	± 0.07 mm (0.003")	± 0.2 mm (0.008")	± 0.2 mm (0.008")	± 0.2 mm (0.008")	± 0.3 mm (0.01")
Mounting	Floor, Wall, Ceiling	Floor	Floor	Floor	Floor

All EH-series robots are controlled by the high-performance NX100 controller. The NX100 offers unmatched multiple axes control capability to maximize flexibility while minimizing cost of integration and eliminating risk of robot collisions. Dual-channel safety features include enhanced E-stop functionality, integrated speed monitoring, manual brake release switches, and compliance with both ANSI/RIA R1506-1999 and Canadian safety standards.

The NX100 controller offers unmatched connectivity through standard Ethernet and other network options, including: DeviceNet, ControlNet, Profibus-DP, and EtherNet/IP. The programming pendant features a color touch-screen display that can be configured as a custom HMI (Human Machine Interface) with buttons and status indicators.

Motoman provides robots and complete robotic automation for virtually every application and industry. Founded in 1989, Motoman has continually gained market share and is now one of the largest robotic solution providers in North and South America with more than 28,000 robotic installations. Motoman's parent, Yaskawa Electric Corporation, is the world's leading robot manufacturer with an installed base of nearly 200,000 robots.

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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