

MOTOMAN NEWS RELEASE

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MOTOMAN'S NEW EPL-SERIES ROBOTS PROVIDE HIGH-YIELD "EXPERT PALLETIZING" SOLUTIONS

Dayton, Ohio — Designed specifically for palletizing applications, Motoman's new EPL-series "Expert Palletizing" robots are a family of high-yield manipulators with internally routed air and I/O signal lines. Depending on payload requirements, these application-specific robots are available in 80-, 160-, 300- and 500-kg payload models. All models are four-axis robots, except the five-axis 80-kg model.

The five-axis EPL80 robot features an 80-kg (176.4-lb.) payload capacity, with a maximum horizontal reach of 2,046 mm (80.6") and a maximum vertical reach of 3,194 mm (125.8"). Repeatability is ± 0.07 mm (± 0.003 "). The EPL80 has a wide, 360-degree work envelope that can service multiple infeed conveyors and a single pallet loader station. The EPL80's 5-axis design eliminates interference zones within the work envelope. Its fast axial speeds reduce cycle time and increase production output. The economical EPL80 provides the advantages of high-speed, high-performance palletizing and compact design. It is ideal for end-of-line palletizing solutions that require minimal footprint.

The higher-payload EPL-series models also have large strokes and wide 360-degree envelopes, enabling them to accommodate multiple pallet loaders and stations. EPL-series models feature the highest allowable wrist moment of inertia ratings.

EPL-series models are highly reliable, with a 62,000-hour MTBF (Mean Time Between Failure) rating. PC-based off-line programming software is available as an option to simplify programming of palletizing applications.

EPL-series robots use the advanced NX100 controller that features a robust PC architecture, Windows® CE programming pendant, and easy-to-use INFORM III programming language.

For more information on EPL-series robots, the NX100 controller, or other Motoman products and services, visit the corporate web site at www.motoman.com, call 937.847.6200, or write to Motoman Inc., 805 Liberty Lane, West Carrollton, Ohio, USA 45449.

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