

MOTOMAN NEWS RELEASE

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**Contact: Sally Fairchild
937.847.3202**

MOTOMAN'S MODULAR, PRE-ENGINEERED PALLETWORLD® STANDARD SOLUTION FOR ROBOTIC END-OF-LINE PALLETIZING



Dayton, Ohio — Motoman continues its modular concept for robotic solutions with PalletWorld, designed specifically for high-throughput palletizing. As a modular, fully integrated solution, PalletWorld is designed to handle the majority of palletizing applications. Standard components keep engineering costs low. These standard components include a Motoman high-speed robot such as the 100-kg payload SP100X or 300-kg payload EPL300 “Expert Palletizing” robot with controller and menu-driven palletizing application software, and an integrated gripper package. Standard palletizing grippers can accommodate a complete range of bags, cases or irregular shapes.

Benefits of a standard solution include:

- Low engineering costs
- Productivity increased through highly reliable operation
- Reduced lost production time and worker’s compensation claims resulting from back injuries and carpal tunnel syndrome
- Highly reliable automation

Pre-engineered modules are integrated with the robot to achieve the desired functionality and throughput. Modules include infeed conveyors, pallet locators, pallet racks, pallet outfeed conveyors, etc. These flexible add-on modules allow for customizing or upgrading system capabilities. Motoman's dedicated, high-speed palletizing robots are highly reliable and feature an average MTBF (Mean Time Between Failure) of over 62,000 hours for both the robot and controller. PalletWorld is fully safeguarded from power loss with special power failure recovery processing and absolute encoders that require no homing operation after power loss. Users can now avoid costly start-up delays after power failures, emergency stops, or planned shutdowns.

Motoman offers robust, PC-based tools that further enhance the productivity of their extensive line of palletizing robots. Motoman’s MotoPallet™ PC-based simulation software is closely integrated with MotoSim® offline programming and simulation software. MotoPallet uses a process programming approach

that is optimized for palletizing. It allows the user to think in terms of boxes, pallets and pallet patterns rather than robot, cycle times and payloads. MotoPallet and MotoSim software optimize robot programs based on box size, shape, and orientation requirements.

Additionally, MotoPallet can be integrated with CAPE Systems, Inc.'s CAPEPack'99 software that automatically generates optimized pallet patterns. An alignment grid and vectored set-down capabilities ensure tight box spacing and a solid pallet load.

For more information on PalletWorld or other Motoman products, call 937.847.6200, write to Motoman Inc., 805 Liberty Lane, West Carrollton, Ohio, USA 45449, or visit www.motoman.com.

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