

# *and* **PACKAGING PALLETIZING**

## ROBOTIC SOLUTIONS

YASKAWA MOTOMAN  
HAS THE ROBOTS,  
PROCESS EXPERTISE,  
INTEGRATION RESOURCES  
AND EXPERIENCE  
NECESSARY TO PICK,  
PACK OR PALLETIZE  
PRODUCTS UPSTREAM,  
DOWNSTREAM OR  
ANY WHERE IN BETWEEN.



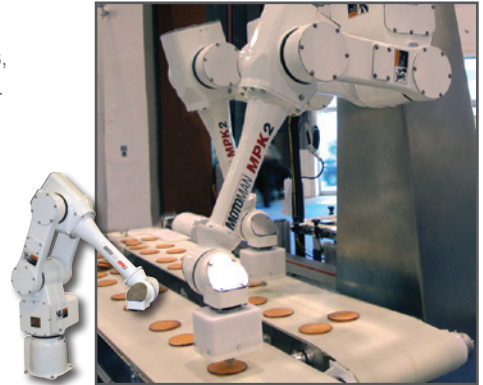
## THE COMPLETE PACKAGE

YASKAWA MOTOMAN OFFERS A COMPLETE RANGE OF PRODUCTS FOR PICKING, PACKING AND PALLETIZING APPLICATIONS.

### PICK! Picking

Designed to provide superior performance in food handling, picking, packing and other high-speed handling applications, Motoman® robots feature high accuracy and smooth motion.

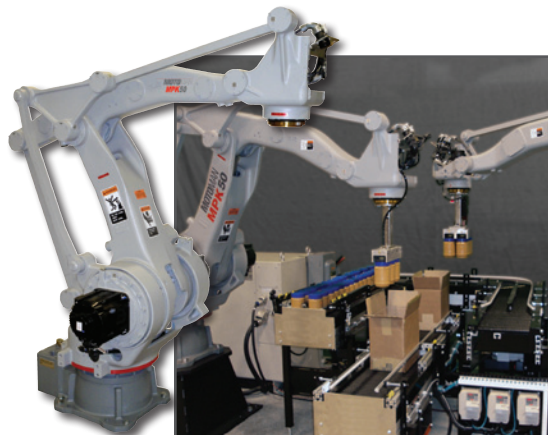
- The MPK2 robot is **washdown rated and includes food grade grease**; features include:
  - Corrosion-resistant white coating
  - Internally routed utilities for easy cleaning and interference avoidance
  - Optional stainless steel IP66 (NEMA 4X) controller
- High-speed MH5 or extended reach MH5L models for non-primary food handling applications
- Floor-, wall- or ceiling-mount options to improve floor space utilization
- Compact, yet powerful, DXM100 controller



### PACK! Packing

Whether it's a case, tray or Gaylord you need to pack, Motoman robots offer maximum flexibility to increase your productivity.

- High-speed, four-axis MPK50 robot is ideal for simple packing projects; **food grade grease is available as an option**
- For bottles, or other projects requiring six-axis flexibility, Motoman robots are available with payloads up to 600 kg



### Robots for Packaging and Palletizing

- |         |          |
|---------|----------|
| ■ MPK2  | ■ MPL80  |
| ■ MH5   | ■ MPL100 |
| ■ MH5L  | ■ MPL160 |
| ■ MH6   | ■ MPL300 |
| ■ HP20D | ■ MPL500 |
| ■ MH50  | ■ MPL800 |

### PALLETIZE! Palletizing

If you need high-performance palletizing, the MPL "Master Palletizing" series provide high throughput and reliability. Six models are available with payloads ranging from 80-800 kg.

- Five-axis MPL80 robot offers 80 kg payload capacity; ideal for "end-of-line" palletizing projects with pallet heights up to 95" on a 42" square pallet
- Larger four-axis MPL models with payloads from 100-800 kg are capable of pallet heights up to 108" and can service multiple build locations

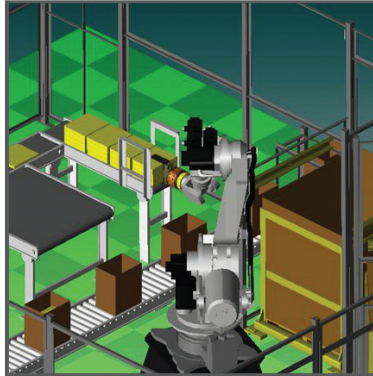




# ADVANCED SOFTWARE ENHANCES PRODUCTIVITY AND UPTIME

YASKAWA MOTOMAN ALSO OFFERS A COMPREHENSIVE SUITE OF ADVANCED SOFTWARE TOOLS DESIGNED TO HELP CUSTOMERS MAXIMIZE PRODUCTIVITY AND SYSTEM UPTIME.

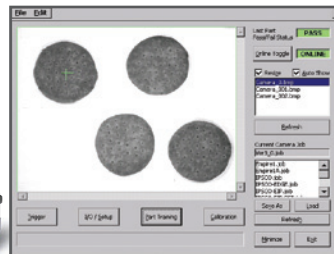
- **MotoPick™** is a PC-based picking software package interfaced with a Cognex vision system. Robot motion and conveyor speed are synchronized; each robot is assigned to an appropriate task based on process conditions and requirements. Placement pattern setup is also quick and easy.
- **EasyPallet™ Pendant** improves setup and programming for palletizing projects. Its on-pendant menus provide case size and pattern selection by the operator with minimal training. This flexible software package handles a wide range of customer applications.
- **MotoSim® EG**, with **MotoPallet™** palletizing module, is a PC-based robot simulation software package that allows users to build pallet patterns off-line to optimize robot performance, installation and reduce start-up time. It imports product and design information from CAD systems; also optimizes solution layout and allows verification of reach and cycle time.
- **MotoCal®** PC-based calibration software increases accuracy of simulations allowing highly accurate off-line programming.
- **RobotPro®** PC-based troubleshooting, maintenance and repair software helps optimize system uptime.
- **Communications software packages** transfer robot programs between PC and robot controller; FMS (File Management System), MotoFTP™, MotoAdmin™, VDE Ethernet, VDE Serial, MotoCom SDK, FDE (Floppy Disk Emulation for Windows®) and Visual DCI with OLE.



## VISION

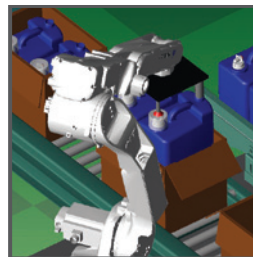
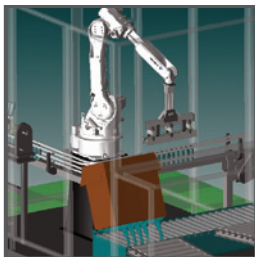
INTEGRATED MOTOSIGHT™ VISION PACKAGES FEATURE  
COGNEX IN-SIGHT MICRO® CAMERAS

- VisionView® display provides additional user interface capabilities on robot programming pendant
- Vision system programming accomplished using the familiar EasyBuilder spreadsheet interface



## CUSTOM SOLUTIONS

YASKAWA MOTOMAN DELIVERS HIGHLY CUSTOM SOLUTIONS TO MEET UNIQUE CUSTOMER REQUIREMENTS.



## Automation Group

Yaskawa Motoman's Automation Group has provided unique, innovative solutions for more than 20 years to meet customer-specific robotic application needs. With our comprehensive line of robots, infeeds, outfeeds, grippers, software and sensors, we can provide a customized solution that delivers enhanced quality, productivity and ROI.

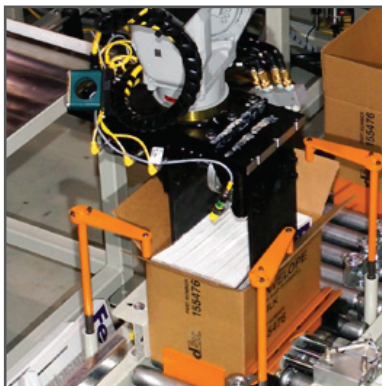
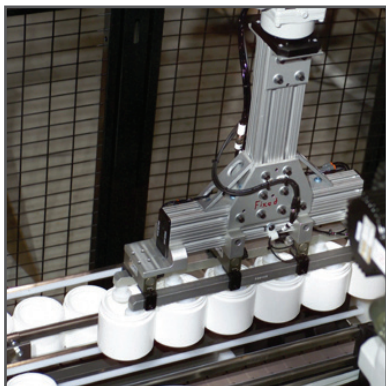
YOUR SINGLE SOURCE FOR ROBOTS, APPLICATION PROCESS EXPERTISE, CONTROLS, MATERIAL HANDLING, SAFETY, INTEGRATION AND INSTALLATION OF CUSTOM SOLUTIONS.



Yaskawa Motoman routinely teams with a select group of experienced integrator partners. Chosen for their specific process expertise, they typically offer unique complementary products and services.

Make  
*Your*  
Move  
*With*  
Motoman!





# MAKE YOUR MOVE WITH MOTOMAN

## WORLD-LEADING CUSTOMER SATISFACTION!

**YOUR PARTNERS IN PERFORMANCE**

**24-HOUR HOTLINE: 937.847.3200**

### Mission Statement

Yaskawa Motoman is dedicated to delivering high quality, innovative automation solutions which help our customers to be world competitive and to providing the highest level of customer satisfaction in the automation industry.

- Technical Education Center
  - IACET accredited programs
  - Training classes on-site or at any of our eight centers in North America
  - Hands-on training; maximum two students per robot
- Customer Care Center
  - One call support; 24/7 coverage
  - Web-based Customer Care Center (anywhere, anytime access to self-serve capabilities)
- Field Services
  - Regional and COE-based technicians
  - Application-specific trained resources
  - Included in installation and start-ups
- Support program offerings include:
  - Robot Life Cycle Management (service and maintenance plans)
  - RobotPro® software (maintenance, troubleshooting and documentation) Local PC or web-based
  - Condition-based maintenance (diagnostics monitoring)
  - Rebuilds, repairs and retrofits

**CUSTOMER SATISFACTION  
IS OUR #1 GOAL!**

## GLOBAL SUPPORT NETWORK

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