

ROBOTIC
SOLUTIONS



**Robotic Solutions
Customized
For Your Product
Application**



Graphic
Packaging
INTERNATIONAL

Robotic Solutions Customized For Your Product Application

As you produce unique products for the marketplace, you deserve machinery solutions customized specifically for your application. When done right, robotic solutions are a complimentary build on existing product line operations or naturally, can be used independently to automate certain tasks.

The versatile handling of product types, range of operational controls and flexibility robotics bring to the process, help manufacturers quickly and efficiently boost their brand's competitive go to market strategy.

Trends in robotics for the packaging line include flexibility through more powerful controls and interfacing with existing equipment, gentler handling and precision for delicate products, more choices for incorporating robots into end of line manufacturing operations and increased safety to enable people to work in closer proximity to robotic solutions than before.¹

Graphic Packaging's Consumer Products and Specialty Machinery team develops adaptable and versatile machines with end arm/effectors that can be designed to handle multiple product types. Our robotic applications are sophisticated enough to be reconfigured for new automation purposes at any time, yet can be used individually or as a contributor to an entire packaging line's automation. With over 35 years' experience in product handling, our machinery is highly customized for customers' unique applications.

Robotic solutions automate repetitive and physically demanding tasks, to free up operators for other duties and reduce overall production costs. Vision sensors can increase precision and handling, while end of arm tooling creates custom ranges of motion.

Customizable robotics solutions operate at faster speeds, with more accuracy, or are capable of lifting heavy product with user friendly features.

These applications may include:

- **Product loading:** Transferring product on conveyor for next step in packaging line

- **Magazine loading:** Staging cartons, trays, products, etc.
- **Product transfer:** Moves product from conveyor to another location
- **Product assembly:** Accumulates products and sorts items to create custom packed solutions.



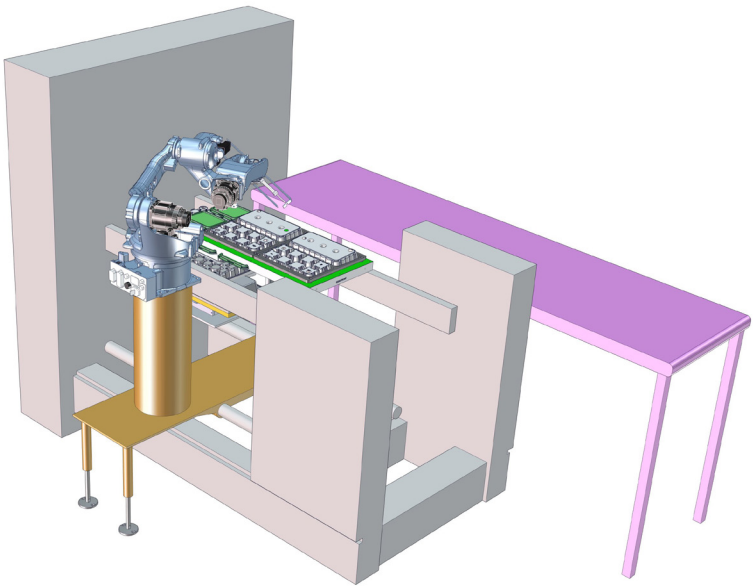
Robotic Solutions Customized For Your Product Application

Graphic Packaging's Consumer Products and Specialty Machinery team offers user friendly robotics integrations that help to reduce labor costs and frees up man power for other tasks in the manufacturing process. These robots feature fewer parts which reduces maintenance and potential operating problems.

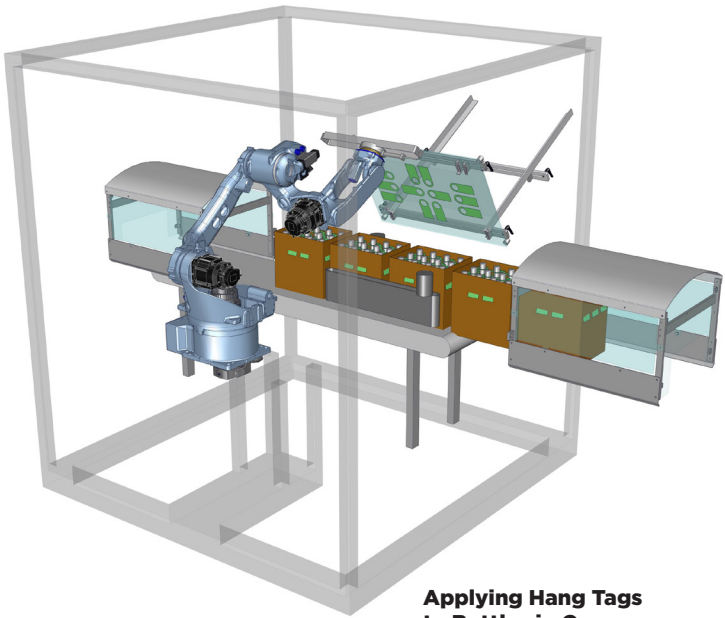
Our machines feature:

- Proven customizable designs for many products and applications
- System interfaced with existing production lines, conveyors/equipment
- Complete integration with Yaskawa Motoman robots and customized end effector/arm tooling
- Fully integratable Allen-Bradley automation equipment for collaborative and non-collaborative applications

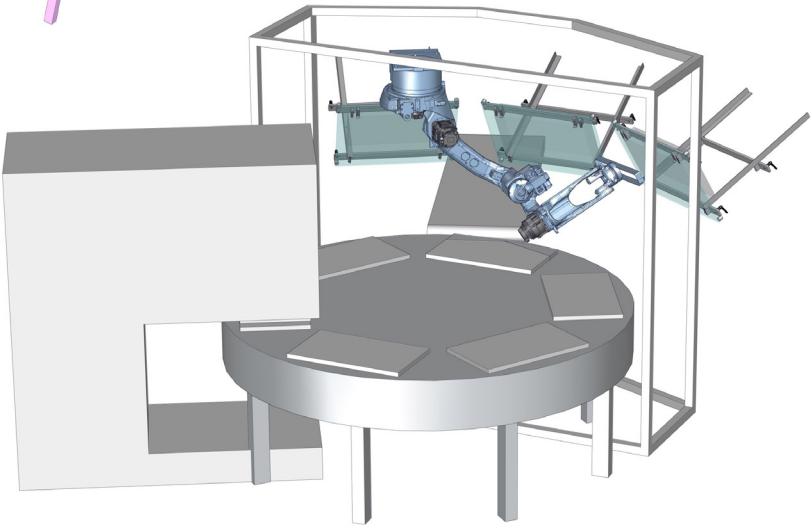
- Programmable for repetitive tasks
- Vision guided systems that can sort same size/shape items by color, and/or perform random placing
- User friendly: Quick changeover times
- Small footprint
- PDF robot simulations can be provided for your application with interactive controls to view motion and timing for robot movements.



Picking Thermoformed Parts



Applying Hang Tags to Bottles in Cases



Assembling Gift Card Systems

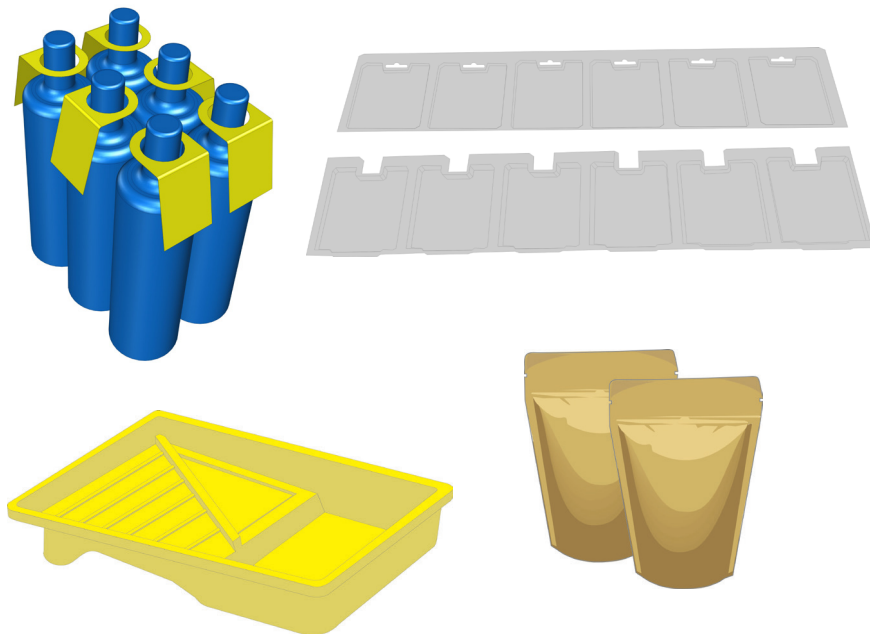
Robotic Solutions are Available for Many Industries Including: Food and Beverage, Pharmaceuticals, Consumer Products, Mailing and Print.

Additional Benefits:

- Gentle handling
- Picking, accumulating, stacking and wrapping
- Random orientation and product placement

Robotic solutions from Graphic Packaging solve many automation challenges that occur in today's manufacturing environment. With world class customer service and support we provide our customers with end to end customizable solutions for easy automation and maintenance. Contact our Consumer Products and Specialty Machinery team today to find a unique solution for your product.

Handles these product types and many more:



1. Source: PMMI. Trends in Robotics Market Assessment 2014: Findings of a Market Research Study that Assess the Usage and Trends of Robotics in Packaging and Processing Applications. 2014.

Graphic Packaging International

Graphic Packaging International, Inc., is a premier consumer packaging company with a leading position in paperboard packaging for the food, beverage and consumer products markets sold in retail and foodservice channels. Our innovative product lines include sustainable packaging for microwave cooking, meat trays, folding cartons, and beverage cartons.

You have probably purchased food, beverages or other consumer products at your local grocery, club store or restaurant that are sold in our packaging. Our customers include some of the best-known brands in the world. We are headquartered in Atlanta, GA and have approximately 13,000 employees worldwide.

Our Vision and Our Values

Our goal is to create inspired consumer packaging that makes a world of difference. We grow with our customers by creating innovative and complete consumer packaging solutions through consumer insights, market knowledge, global scale, local execution, and an integrated business system.

Our core values are the cornerstone of our culture and guide us as we work together in achieving success. We value our culture and expect our employees to act with integrity, to respect one another, to be personally accountable, to build positive working relationships and to work together as a team.

A Variety of Packaging Solutions

Our packaging solutions help build powerful brands.

Consumer Packaging
Folding Cartons
Beverage Multipacks
Strength Packaging
Packaging Systems and Machinery

**Please visit our website at
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