



# Robotic Material Handling Systems



## Trusted Partner Since 1961

*PaR Systems is an integrated group of businesses that specialize in custom engineered systems. Clients come to PaR for equipment solutions that add real value for their customers.*

*Headquartered in Shoreview, Minnesota, PaR serves customers worldwide.*



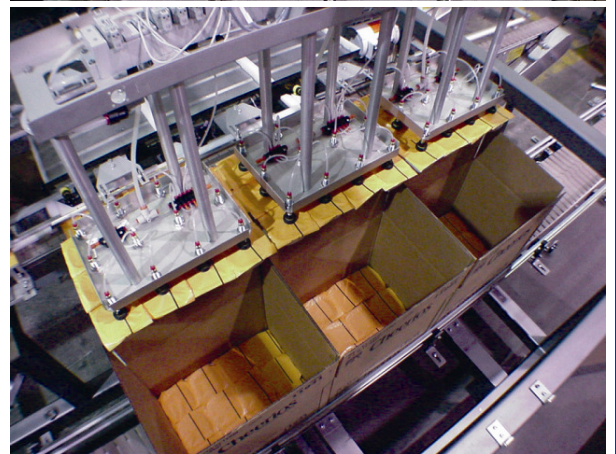
### Market Segments

#### Robotics

- Aerospace
- Energy (DOE), Environmental / Nuclear
- Industrial
- Life Sciences
- Material Handling
  - Food & Beverage
  - Manufacturing
  - Specialty Cranes

#### Marine/Defense

- Naval Shipyards
- Defense/Navy
- Commercial Shipyards
- Marine Services
- Offshore Oil & Gas
- Specialty Industrial



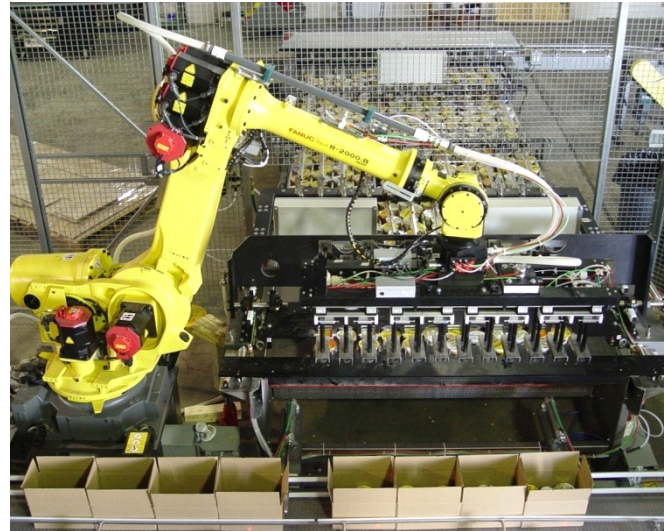
Designing and delivering solutions that dramatically enhance real value for *your* customers.

PaR Systems provides turnkey robotic systems for *case packing, cartoning, tray loading, palletizing and depalletizing, order picking, conveying and pallet handling systems*. The benefits you achieve for installing robotic systems on product lines continue to grow:

- Solving custom applications and improving standard operations
- Small, adaptable system footprint
- High reliability and low maintenance cost
- Labor and ergonomic issues reduced
- Flexibility to handle product variations and implement future changes
- Quick product changeover
- Consistent quality and throughput
- User-friendly, cost-effective solutions



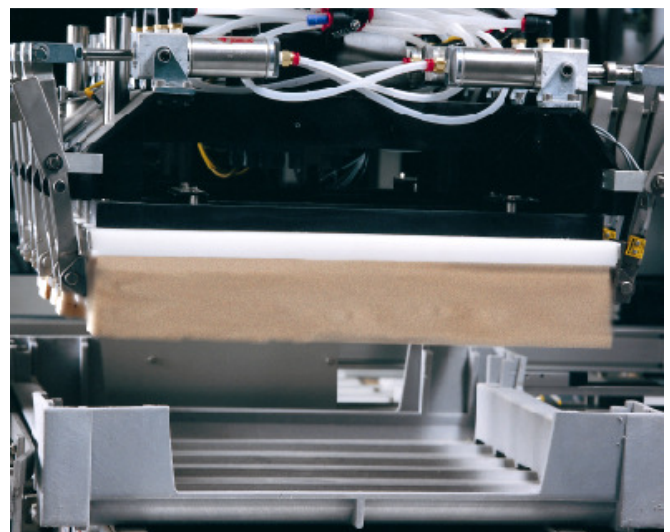
- **Centralized Gantry Robot Palletizing:** Ideal for many simultaneous products at low rates. Compact footprint and telescoping z-axis for low ceiling areas, with high speed sortation.



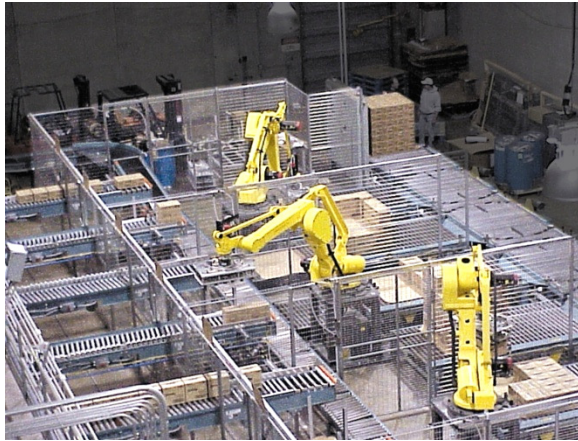
- **Robotic Case Packing:** For products that are difficult to handle and require unique case packing and cartoning equipment.



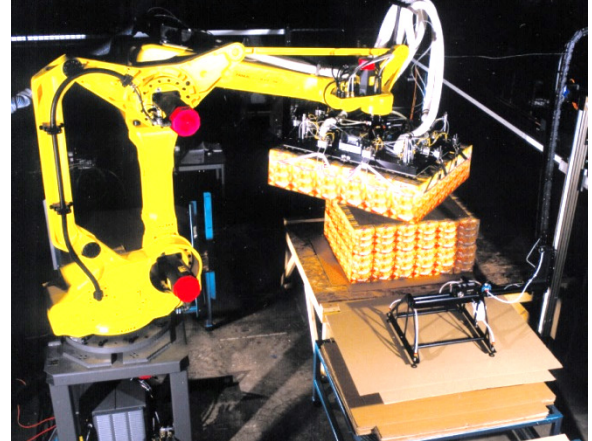
- **High Speed Packaging:** Vision guided picking and placing up to 50 products per minute.



- **Tray Loading:** Direct food contact with pick and place.



- **Centralized Pedestal Robot Palletizing:** Flexible packaging of multiple lanes at moderate rates. System integration may include case labeling, case sortation, and conveyor systems.



- **Robotic Unitizing System:** High speed layer palletizing. Includes slip sheet, tier sheet, and/or cap handling options.



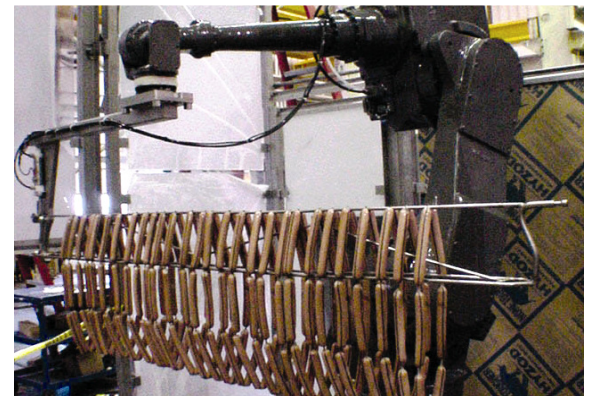
- **Pack-N-Stack:** Vision guided line tracking, tray loading, and stacking within the same system utilizing robot flexibility.



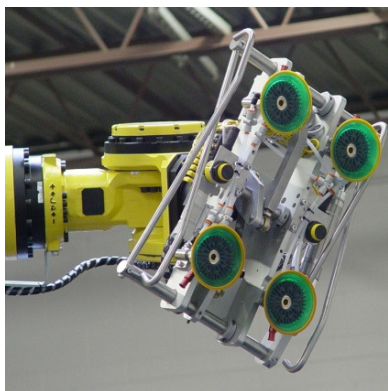
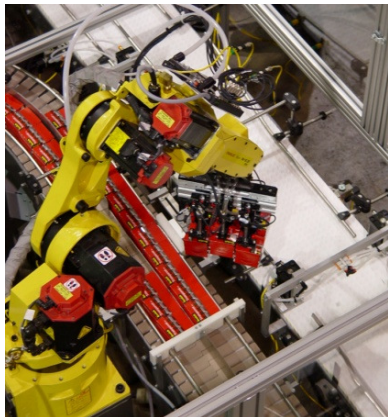
- **Order Picking:** Linear gantry picks layers of containerized product to build mixed pallets that are placed on delivery trucks.



- **Layer Formation:** High speed layer formation tables.



- **Wash Down:** Robot and conveying systems for wet or sanitary wash down environments.



**For Service or  
Technical Support**

Call Toll-Free  
**1.866.PaR.Care**  
1.866.727.2273



**PaR Systems, Inc.**  
707 County Road E West  
Shoreview, MN 55126-7007  
Fax: 651.483.2689  
[www.par.com](http://www.par.com)

**Broad Product Portfolio**

PaR Systems' product portfolio includes a line of overhead gantry robots as well as highly specialized and proven robots from leading suppliers. We have partnerships with leading conveyor suppliers, case sortation systems, case labeling systems, pallet handling systems, carton erectors, carton sealers, stretch wrap machines, vision systems, and many more. These partnerships allow us to select and integrate the best equipment for your specific application.

**Experience**

PaR Systems has been in the robot integration business since 1961, providing thousands of robotic automation systems. With approximately 380 employees, 75% who are technical, PaR's primary business focus is on robotic and automation systems. PaR is committed to customer service and quality, and is ISO 9001:2008 certified.

**Finding the Right Solution for You**

Experience and the ability to provide the best robot and auxiliary equipment technology give PaR the flexibility to select and integrate the right equipment, resulting in a successful installation and long-term partnership.

To help you improve your production operations through robotic automation, call 1.800.464.1320 to speak with a packaging and palletizing account specialist.

**Service and Support**

PaR Systems will be there for you with a full service organization and turnkey support for your robotic system. Our systems are proven and dependable, but should you need help, our certified service personnel are available 24/7, 365.