

Storage & Automation Solutions

Raymond Handling Solutions



Raymond Handling Solutions
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Experience & Capabilities

Raymond Handling Solutions and our **Integrated Systems Group (ISG)** is a full service materials handling company. For over 65 years we have been providing customers with expertise in warehouse design, project management and systems implementation. RHSI's regional offices in Southern CA, NV, and Baja, Mexico support our customers throughout North America. We have one of the largest, most experienced materials handling teams in the southwest coupled with the international support of our parent companies, **The Raymond Corporation** and **Toyota Material Handling**.

- Materials Handling & Storage Design
- Analysis of order Fulfillment Data and Material Flow
- Simple Equipment Solutions to complete Design/Build
- Integrated Solutions to meet your needs
 - Maximize Space with Rack, Mezzanines & Automated Storage
 - Gain Productivity & Accuracy with Automation
 - Direct to Consumer Pick/Pack/Ship Systems
 - Store Redistribution & Replenishment
 - Materials Handling in Assembly & Manufacturing



Pallet Rack & Shelving

- Single Selective & Double Deep
- Push-Back (2 to 6 pallets deep)
- Pallet Flow to maintain FIFO
- Deep Lane Pallet Shuttle (up to 60 deep)
- Static Shelving
- Mobile Shelving
- Shelving Supported
- Mezzanines



Automated Storage & Retrieval



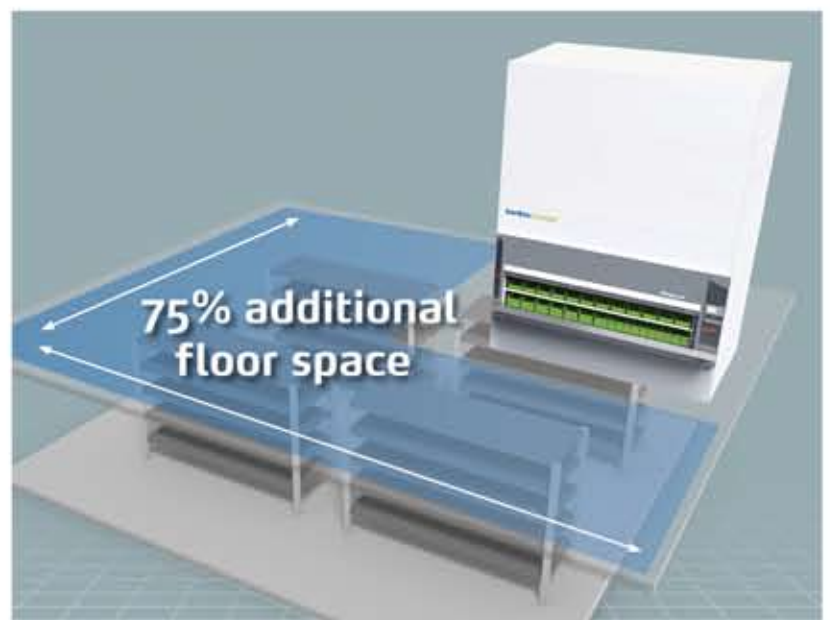
Vertical Lift Modules (VLM's)- Automated vertical storage machine automatically adjusts storage locations based on product height. Trays delivered within seconds and light directed pick bar insures pick accuracy and productivity. Space savings up to 80% and available for freezers and clean rooms.

Vertical Carousels- Machines composed of vertical rotating carriers to store consistent sized small parts or file folders. Office and heavy duty industrial applications along with temperature controlled and clean room designed machines.

Horizontal Carousels- Horizontally rotating wire mesh baskets and adjustable shelves bring parts to the picker. Workstations are typically arranged in sets of 3 or 4 carousels with software to batch groups of orders together. Light devices direct pickers to accurately pick and put orders at rates of 250 to 500 lines per hour per picker.

Mini-Load & Unit Load AS/RS- Rack structure with automated high speed storage cranes transporting parts for put-away and picking. Typical storage heights of 40' to 120'.

Automated Shuttles- Rack structure with electrified shuttle carts and vertical lifts to store and retrieve cartons and totes. The shuttle systems are designed with conveyor systems and software for Goods-To-Person (GTP) Station delivery. At the GTP stations, full cases are delivered to operators who follow light devices to distribute items to order cartons. Accurate, High Speed Fulfillment solution for operations with large product mixes.





Packaging & Shipping Solutions

"Raymond Handling Solutions was able to provide us with the expertise and advice we needed to increase productivity and reduce downtime." - City of Industry, CA



- Automatically handle manual tasks
- Automatically form cartons or bags
- Print & Insert invoices & literature
- In-line Automatic Scales
- Print & Apply Shipping Labels



Integrated Systems Solutions

Pick Modules- High volume distribution solutions to maximize space, increase the quantity of pick faces, and reduce non-productive walking distances.

- Typical piece pick rates of 100 to 300 line items per hour per picker
- Full cases rates of 200 to 400 cases per hour per picker
- Modular design for carton flow, shelving, or pallet flow
- Add Voice Pick, Pick-To-Light, and Zone Routing Conveyors to increase pick rates and accuracy



High Speed Sortation- Automatically sort cartons and totes for Packing Stations, Shipping Doors, and other applications.

- Sort rates from 10 to over 200 cartons/minute
- Scan single to multiple bar codes
- Automatically calculate package dimensions
- Various sorter technologies available
 - Narrow Belt Sorters
 - Sliding Shoe Sorters
 - Wheel Diverters
 - Right Angle Transfers
 - Divert Arms



"Professional, innovative and reliable." - Redlands, CA



Systems Automation Support Team

Factory Trained Technicians throughout the Southwestern US and Baja.



"Raymond Handling Solutions understands our industry needs and our business model. Our relationship with them has been continuous since the beginning." - Valencia, CA

