



## Intralogistics - Is Your Facility Ready for The Future?

According to research conducted by the Material Handling Institute of America (MHIA), businesses have invested significantly in product development, but not nearly as much in intralogistics. Why is that?

Perhaps because intralogistics is a new term that hasn't been fully defined. So, what's the difference between logistics and intralogistics? Logistics involves moving product from one point to another across the supply chain. Intralogistics is similar, but more specific to moving product within a building from receiving dock to shipping dock in the most efficient way possible. In other words, it is the process of optimizing, integrating, managing and automating the logistical flow of product within your distribution center.

Primus helps owners achieve their business goals by enhancing their intralogistics and creating smarter buildings. For long-term success, it's essential to think about production, packaging and distribution and how they can work together most efficiently.

This task can feel overwhelming. Primus's in-house team of automation experts is ready to help. Randy Jennings, a 40-year veteran of automation solutions, leads Primus's automation solutions division. "It's not about the bright, shiny thing," he said. "It's about what will make your operation run better. I want to position your company for success."

Below is a snapshot of some of the solutions Randy has successfully implemented in building facilities to optimize production.

Challenge	Solution	Benefits
Order Picking of Mixed Case Pallets	Robots with a finger row gripper that palletizes complete rows by picking up to four cases from a pick-up conveyor and placing them on a pallet	Improved accuracy; gripper allows for gentle handling; up to 1,000 units/hour; flexible design allows growing companies to increase capacity during peak demand
Limited Space	Picking systems in which robots, led by controls and a location management system, retrieve bins from the automation system grid and bring them to an integrated picking station.	Maximizes limited space; easy to integrate into existing buildings; scalable; minimal downtime; energy efficient; low maintenance
Store-specific Picking	Automated monorail carriers transport orders through picking aisles	Better picking performance; low operating costs; quiet
Variety of Products & Delivery Times	Automated guided vehicles (AGVs) pick, replenish or restock returns	Adapts to changing customer requirements; supports different sizes and weights; reduced investment risk; easy implementation
High Throughput Required	Storage levels equipped with shuttle vehicles transport goods safely and securely	Offers double to quadruple deep storage of totes, trays and cartons; suitable for chilled environments
High Density & Throughput	Pallet shuttle storage and retrieval system that utilizes aisle carriers and row carriers to deliver and retrieve deep lane storage of palletized loads	Stores 40%-60% more pallets compared to conventional storage; flexible modular design; sustainable
Heavy Loads	Automation conveyor systems for palletized goods that can move pallets horizontally and vertically	Easy installation; reliable; energy efficient
High-Performance Light Goods	Light goods conveyor systems with pre-assembled and tested components	Low maintenance; energy efficient
High-Performance Light Goods	Miniload Cranes - High- speed ASRS system designed to handle smaller loads	High throughput; energy efficient; good for compact storage layouts; suited for retrofit projects
High Bay Warehouses	Pallet ASRS - Fully-automated stacker crane storage and retrieval system for palletized goods in high bay warehouses; also good for heavy products	Can be used for single, double, triple or multi-deep storage; energy efficient;

Primus will integrate the automation solutions that work best for your facility into our award-winning design-build process. The automation team will be fully engaged from project kickoff to ensure your automation solutions are reflected in the design and construction of the building. Primus is the only firm in the industry to offer this service. To learn more about Primus and our full range of in-house services, visit [primusbuilders.com](https://www.primusbuilders.com).