Intelligrated®, now part of Honeywell, is a certified robotics integrator with more than 20 years of experience providing single-source Alvey® robotic solutions for high-performance distribution and manufacturing operations. From system concepting, fabrication, integration, installation and commissioning to training and ongoing support, Intelligrated approaches each solution with a comprehensive lifecycle view to extend the value and life of each system. Innovative solution designs provide the right level of automation for each application to maximize reliability and performance.

Industries served:
- Food
- Beverage
- Consumer packaged goods
- Pharmaceutical and medical supply
- Retail
- E-commerce
- Wholesale
- Post and parcel
- Third party logistics

Flexible and scalable for lasting performance

Intelligrated leverages advanced robotic technology and extensive material handling experience to provide solutions that deliver accuracy, scalability and efficiency to satisfy virtually any operational requirement. Modular system designs offer compact footprints and scale from a single robot to large multi-arm systems as future growth demands. Intelligrated designs and builds custom end-of-arm tooling in-house, with the flexibility to handle quick product changeovers. Innovative designs, integration expertise and committed support provide maximum dependability and round-the-clock productivity.
Intelligrated has extensive experience implementing robotic solutions that work seamlessly with existing automated equipment and is recognized by the Robotic Industries Association as a certified robot integrator. Robotic systems come with integrated software and controls, including optional PLC-based solutions, for easy training and simple daily use.

Intelligrated tailors each system to meet operational requirements, with a variety of auxiliary automation components and a choice of robotic arms from multiple manufacturers including Motoman, KUKA and FANUC. No matter the product mix, Intelligrated offers the expertise to deliver efficiency, accuracy and reliability in nearly any application.
Infeed conveyor and load forming

Intelligrated is the largest manufacturer of conveyor equipment in North America. Comprehensive manufacturing and system design capabilities combined with over a century of conveyor application experience enable the best conveyor solution designs for any robotic application.

Intelligrated has over 65 years of experience perfecting row-forming designs on conventional Alvey palletizers and more than 20 years of experience on robotic applications. High-speed, gentle and accurate product positioning is critical to maximizing robotic throughput and minimizing downtime.

- Wide range of transportation and accumulation conveyors
- High-speed sortation for feeding multiple pick points and robot cells
- Row and layer formers based on 65 years of palletizing experience
- Auxiliary layer tables to improve throughput
- Multiple case turning options
- Simple “pusher” case sorter option

Alvey robotic tooling

Tooling is the heart of any robotic system. Alvey robotic end-of-arm tooling is designed for the specifics of each application, fabricated in Intelligrated’s manufacturing facility and tested with actual customer product to ensure exceptional reliability.

In addition to product handling, effective pallet and sheet handling can also be designed into the robotic tooling. This results in increased robot utilization and offers a lower cost, more compact alternative to ancillary pallet and sheet dispensers. Intelligrated can integrate other commercially available tools; whether the application requires a case, pail, bundle or bag, in case, row or layer quantities.

- Fork, clamp, vacuum or combination tooling to accommodate virtually any product
- In-house, custom tool design for complex applications
- Tools to handle single case, complete row or entire layer
- Complex layer handling tool to handle thousands of SKUs
- Third-party tool integration, if required
- Segmented, multi-drop tools
Pallet and sheet handling

Effective pallet and sheet handling is a critical component of any robotic palletizing cell. Intelligrated offers a complete line of multi-function robotic tooling capable of placing slip sheets, tier sheets and empty pallets. Stack-fed Alvey pallet dispensers and sheet dispensers are available for higher-speed applications.

For applications with multiple products palletized on different pallets within a single- or multi-robot cell, space constraints or reach limitations can hinder efficient cell design. Auxiliary pallet dispensers and high-speed sheet dispensers provide a flexible solution that maintains the robot’s maximum palletizing speed.

- Pallet gantry or shuttle systems can deliver pallets to multiple robot cells
- Multiple pallet types can feed on-demand to robot cells
- Complete safety interlocks for pallet and sheet replenishment

Allied products

To maximize cell efficiency, full pallet loads must be quietly and reliably removed from the robot work envelope. Intelligrated offers a complete line of pallet conveyor system components, including chain-driven live roller (CDLR) conveyors, multi-strand chain conveyors, transfer cars, turntables and right-angle transfers. All equipment is designed, manufactured, controlled, installed and commissioned by Intelligrated to provide true single-source responsibility for the complete robotic system.

- Pallet load conveyors and integrated stretch wrapping systems
- Fully-integrated control systems
- Transfers and turntables
- Transfer cars

Stack and wrap robotic palletizing cell

Unique design helps address challenges of unstable or difficult-to-handle products by incrementally stretch wrapping pallet loads as they are built. The highly configurable system integrates palletizing and stretch wrapping in a small footprint utilizing a single control system, allowing an operator to monitor multiple functions.

- Reduced labor and training
- Efficient use of floor space
- Increased load stability and throughput
Improve productivity in any application

Innovative designs and the latest technology bring the reliability and accuracy of automation to more complex tasks. Intelligrated’s extensive range of Alvey robotics solutions provide flexible, scalable options for a variety of manufacturing and distribution applications, including:

- **End-of-line palletizing** – Build stable pallet loads for wholesale distribution or retail replenishment
- **Mixed-load order fulfillment** – Build pallets with multiple products or packaging types for more efficient in-store replenishment or “labels-out” configuration such as retail-ready display loads or variety packs
- **Receiving** – Quickly unload product or raw materials from pallets in preparation for fulfillment or manufacturing processes
- **Tote handling** – Simplify fulfillment operations and increase throughput with compact automated tote handling
- **Case packing and unpacking** – Singulate product in preparation for fill lines or load items into cases before end-of-line palletizing

For more information on Intelligrated robotic solutions, visit [www.intelligrated.com](http://www.intelligrated.com).
Solutions overview

Intelligent automated material handling solutions from Intelligrated optimize processes, increase efficiency and give businesses a competitive edge. Intelligrated designs, manufactures, integrates and installs complete material handling automation and software solutions including:

- Warehouse execution systems
- Fulfillment technologies
- Voice solutions
- InControlWare® machine controls
- IntelliSort® sortation systems
- Conveyor systems
- Alvey® palletizers and robotics
- AS/RS solutions
- IN-24X7® Technical Support

Lifecycle Support Services

Intelligrated Lifecycle Support Services provides all the services, parts and support needed to keep systems running at peak efficiency. Staffed with a network of Intelligrated professional Lifecycle Support Services specialists, multilingual customer service is accessible 24X7 with a single number to call: +1 877.315.3400.
About Intelligrated

Intelligrated®, now part of Honeywell, is a leading North American-based, single-source provider of intelligent automated material handling solutions that drive fulfillment productivity for retailers, manufacturers and logistics providers around the world. Through a broad portfolio of automation equipment, software, service and support, Intelligrated solutions give businesses a competitive edge and optimize operational performance through increased flexibility, efficiency and accuracy.

Intelligrated designs, manufactures, integrates and installs complete material handling automation solutions including conveyor, IntelliSort® sortation, Alvey® palletizers and robotics, and automated storage and retrieval systems – all managed by advanced machine controls and software. Intelligrated Software offers warehouse execution systems, a scalable suite of software that manages the entire fulfillment process, including equipment, labor and business intelligence, integrated with voice- and light-directed picking and putting technologies.

From concept to integration to lifecycle support services, Intelligrated delivers dependable, sustained distribution and fulfillment success, and maximum return on investment. Intelligrated backs every project with 24X7 multilingual technical support and access to lifecycle service through a network of national, regional and local service centers.